base line
a newsletter of the Map and Geography Round Table

TABLE OF CONTENTS

4  From the Chair
4  MAGERT Hotel
5  On the Cataloging/Cataloguing Front
7  New Maps
12 New Books and Atlases
13 Executive Board I Minutes
15 Executive Board II Minutes
18 Cartographic Users Advisory Committee
31 Call for Papers
34 Great Moments in Map Librarianship
35 MAGERT Publications List

Volume 17, Number 5
October, 1996
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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**Recycled Paper**
FROM THE CHAIR

Greetings from chilly Pennsylvania,

The temperatures are dropping and leaves are changing here in the North East. The fall weather reminds me that ALA Midwinter will come upon us sooner than we expect. Planning for Washington is well underway, and the Magert/Godort Hotel information is again listed in this issue. We hope you will be able to join us Friday evening for the traditional Magert reception, details will appear in later base lines.

Planning for the Annual meeting is San Francisco has also begun. Vivienne Roumani-Denn and Phil Hoehn of the University of California—Berkeley, have graciously agreed to help out with local arrangements.

Lastly, it appears that the ALA reorganization plan, the version that would have eliminated roundtables, is dead. Although ALA will continue to look at restructuring, no major changes are immediately forthcoming. We can all breathe a huge sigh of relief!

--Melissa

MAGERT HOTEL, WASHINGTON DC

Carlyle Suites Hotel
1731 New Hampshire Avenue NW
$89 Single
$89 Double
$99 Triple or Quad

Reservations 800-964-5377 or 202-234-3200.

Tell them you are with the “Government Documents/Map and Geography Roundtable”.

base line 17(4): 4
ON THE CATALOGING/CATALOGUING FRONT

This column will conclude the report on the Cataloging and Classification Committee meeting that took place at the Annual Conference in New York. My report on the Map Cataloging Discussion Group meeting will appear in the December issue. In the rush to produce the last column on a short deadline after the convention I did not have time to verify the appointment of the new committee chair. I can now announce that the new chair is Barbara Story of the Library of Congress. Aside from this news, what remains to be covered of the committee meeting are the CC:DA, AACCMM, and Library of Congress reports.

The CC:DA report was delivered by Betsy Mangan. She reported that the JSC Conference of Cataloging Experts will occur next year in Toronto. No dates have yet been set for the meeting, however. The organization of the meeting has not yet been decided on, but it has been suggested that papers be invited on specific topic areas. Topics that have been suggested include description and physical item in hand (content vs. carrier), editions/versions, main entry, multilevel cataloging, entry under corporate bodies, and general and specific material designations.

Betsy also delivered the AACCMM report. Mary Larsgaard, Barbara Story, and Dorothy McGarry will be helping to formulate the proposed rules for cataloging geospatial data which will be proposed simultaneously by Canada and the United States (possibly by the U.K., Australia, and New Zealand as well). In response to a question from Ellen Caplan Betsy said that those wishing to catalog these materials in the meantime can contact Betsy or Mary. Some common problems involve the general and specific material designations. SMDs can be found in other chapters of AACR2. GMDs need to be created. One proposal is to combine existing terms, e.g. “cartographic: computer file.” The archival community is already using similar compound GMDs, using series of terms separated by commas to describe collections in multiple formats. It was suggested that guidance on cataloging geospatial data could be provided in baseline, possibly using a question and answer format.

Betsy Mangan and Barbara Story shared the LC report, Barbara beginning with the announcement of the new subject cutters that have been approved—.A25 for digital cartographic materials, and .A43 for remote sensing images. Betsy then updated the group on the current status of atlases after format integration. Beginning on June 17 new atlas records were created in the maps file. The work to move existing atlas records to maps format is proceeding. Automation priorities are currently being reviewed. Some delays in the process of designing automation specifications resulted in the decision to go ahead with cataloging new atlases on the maps format. When the conversion does begin it will be the deletion of the old records in books format that will happen first, followed by the addition of the new maps format records. Since book records are distributed weekly and map records only monthly, it is possible that some of the existing records may be deleted two to three weeks before being replaced. If the deletions can be done as a
batch, however, this problem can be avoided. Another problem is that LC’s system requires an 052 field in all map records, and may current atlas records do not contain an 052. Dummy 052s of “000” are being added.

Related to the 052 field is the fact that LC is now using the 072 field to encode subject cutters in the same way 052 is used for geographic cutters. The cutters being entered in the 072 include cutters used in the call number as well as others that were considered by the cataloger, especially when multiple subject headings have been assigned to a record. However, cutters entered in the 072 need not attempt to cover all the subject headings used in a record. Both the 052 and the 072 will be indexed in the LC system.

Betsy next reported on the electronic G-schedule. The work is about 75% completed. Almost all the cutters have been input. Of the 700,000 cutter numbers that will be entered into the electronic LC classification schedules, 100,000 are in the G-schedule (1/7 of the total). Paige Andrew of Pennsylvania State University worked on the project, including editorial cleanup, during the summer. The G-schedule will be published in electronic form with all the cutter numbers, and also in paper without the cutters. Each number will have its own record in order to be able to link to the appropriate cutters. There will also be records for ranges of numbers. For example, for New York there will be a record for G3800-3804 and a record for each of the individual numbers. It is not yet known how the numbers will be formatted for the paper form of the schedule. The schedule should become available early next year through Classification Plus.

Form and genre headings were reported on by Barbara Story. Barbara was soliciting comment on how to handle form and genre. Form/genre headings have already begun to be used at LC in movie cataloging, and a library-wide committee has been working for over a year to decide how to implement them at LC.

The major issue regarding treatment of form and genre in general is that of choosing whether to use field 655 or subfield v under other 6xx fields. The discussion of this issue has been going on for some time and was previously reported on in this column. One aspect of the discussion has been an effort to develop specific advantages and disadvantages of using either the 655 or subfield v exclusively. Using the 655 alone would require the form or genre heading to be entered in the record only once, but would not result in browseable strings and could thus result in false drops. Using subfield v, on the other hand, allows for specificity in subject heading strings, topical and form element being pre-coordinated. These strings would be browseable. In addition, this option would require less retraining of catalogers. In addition to having to type forms and genres more than once, disadvantages of using subfield v exclusively include the confusion resulting from the fact that some form subdivisions are also used as topical subdivisions, increased complexity of subject heading strings, and the fact that some forms require multiple subheadings. Use of 655 or subfield v exclusively are not the only options. Subfield v may be used when the form heading refers to only a part of the item being cataloged and 655 used when the form is applicable to the entire item.
A working list of form headings has been developed for map cataloging. The list needs to be whittled down and refined, and a number of issues regarding the application of form/genre headings to maps need to be resolved. For example: Should headings such as “Zoning maps” be broken up to read as “Zoning—Maps” or defined as separate forms? If the latter option is chosen, it may require the creation of additional form headings, e.g. “Geologic maps” in place of “Geology—Maps.” Would qualifiers be needed, e.g. for “Atlases”? Is there a way to establish display constants? There also seems to be a need to demonstrate that form/genre headings are needed. The Subject Analysis Committee is adamant that they need it. Paige Andrew, Mary Larsgaard, Betsy Mangan, and Barbara Story are developing a draft paper to be distributed to various groups, put up on Maps-L and the LC web page seeking input on these and other problems.

Barbara also reported on classification changes. Changes to both map and atlas numbers were being worked on for the former Soviet Union and other countries such as Germany at the time the committee met. A proposal had also been made, and has since been acted upon to add an atlas number for the solar system. Also since the summer meeting, maps numbers for the broken up Yugoslavia and the re-united Yemen have been developed. LC has a document linking atlas call numbers to the corresponding map numbers which will be made available when the Geography and Map Division’s home page is ready. The idea to merge the atlas numbers into the map sequence is on hold, still awaiting a definite plan for reclassing LC’s atlases, as was reported at the Mid-Winter meeting of the committee (see April 1996 base line).

All that remains is to thank Betsy Mangan for helping to clarify some of the fine points of this report. Once again, the Map Cataloging Discussion Group meeting report will be in the December base line.

--Mark Crotteau

NEW MAPS

My apologies for missing out on sharing in the previous issue of base line, but my time and attention was spent for four weeks this summer working with the fine folks at the Library of Congress’ Geography and Map Division as a participant in their Summer Project. What a grand experience, one that I would recommend to any of you.

Now that I am “back in the saddle” I decided to submit a list of what we routinely call at PSU “Chamber of Commerce maps” since I’ve been cataloging a good number of these over the summer and the ones listed below are all 1995 or 1996 editions. You will find that not every title listed is actually distributed by or published by a Chamber of Commerce, but they all came to us via a project in which a staff member sent out a form
letter to U.S. Chambers of Commerce in 1995, plus they are all of the folded variety. In addition you will find a couple of "odds and ends" concluding the list.

--Paige Andrew

Alaska


The title on the map is simply Fairbanks Map. Includes a list of local events for the period June 1995 through August 1996.


New Mexico

Las Cruces. Lammert Publications. Scale 1:28,512. 1 in. = .45 miles. San Antonio, TX : Lammert Publications, c1995. 1 map: col.; 88 x 57 cm., folded to 23 x 11 cm. OCLC#35343563

Also includes an inset map of the Las Cruces International Airport and an ancillary map of New Mexico State University.

Lammert Publications - 8491 Leslie Rd. - San Antonio, TX 78254 (210) 688-9004

New York


Panel title. Includes insets of the downtown areas of all three cities. Price listed on folded panel $2.95.

H.M. Gousha Company - P.O. Box 98 - Comfort, TX 78213 (210) 995-3317

base line 17(4): 8
2. Schenectady County, Capital-Saratoga region : I [heart] NY. Schenectady County Chamber of Commerce. Scale not given. Schenectady, NY : The Chamber of Commerce, [1995] 2 maps on 1 sheet : col. ; 41 x 50 cm. and 15 x 21 cm., folded to 23 x 10 cm. OCLC#35337735

Includes Schenectady County and the city of Schenectady. Lots of tourist information on verso.

Schenectady County Chamber of Commerce - 240 Canal Square - Schenectady, NY 12305 (518) 372-5656 1-800-962-8007

North Carolina

Welcome to Carteret County, Featuring the Cities of Beaufort, Atlantic Beach, Emerald Island & Morehead City. Presented by D&L Map Service. 1995 ed. Scale not given. Arlington, TX : D & L Map Service, c1995. 2 maps on 1 sheet : both sides; 36 x 172 cm. and 33 x 69 cm., sheet 58 x 89 cm., folded to 10 x 22 cm. OCLC#35341659

Panel title. Possible publisher's series title as displayed on the panel “North Carolina city and county maps”.

D & L Map Service - 1201 N. Watson Rd. Suite 145 - Arlington, TX 76006

Oklahoma

Broken Arrow, Oklahoma. Scale [ca. 1:42,000]. [Florence, Ky]: P.S. Publications, Inc., c1995. 1 map : col. ; 43 x 51 cm., folded to 24 x 12 cm. OCLC#35332943

P.S. Publications seems to be an emerging publisher of local/city maps and it's odd that they do not list where they are located on the maps themselves. So, I used the 800-number given on the map to dial and find out that they are located in Florence, Kentucky, which is why I have the place of publication in square brackets.

Panel title is Broken Arrow Chamber of Commerce Street Map, so it's likely that the Chamber contracted with P.S. Publications to produce the map.

P.S. Publications 1-800-933-3909

Pennsylvania

4 maps on 1 sheet: both sides, col.; 58 x 41 cm. or smaller, sheet 70 x 56 cm., folded to 24 x 10 cm. OCLC#35312195

Anyone want to take a stab at pronouncing “Youghiogheny”?!? (Charlie Peterson at LC told me the correct pronunciation, so call me if you’re curious).

Hampton Publishing Co. - 3328 Markdale Ct. - Cincinnati, Ohio 45248
(513) 574-8600

2. Greater Washington Area: Maps of Washington County and Surrounding Communities. Mosher-Adams, Inc. Scale [ca. 1:22,750] and scale [ca. 1:100,000]. Oklahoma City, OK: Mosher-Adams, Inc., [1995]. 2 maps on 1 sheet: both sides, col.; 55 x 67 cm. and 37 x 47 cm., sheet 89 x 57 cm., folded to 22 x 10 cm. OCLC#35332897

Mosher-Adams, Inc. - National Sales Office - Oak Creek, Wisc.
1-800-477-MAPS (6277)

Virginia

1. Map of Prince William County with Manassas, Manassas Park, Lakeridge, Woodbridge and Dale City, Virginia. Terrascape Publications. Scale not given. Cincinnati, Ohio: Terrascape Publications, c1995. 3 maps on 1 sheet: both sides; 60 x 93 cm. or smaller, sheet 63 x 96 cm., folded to 25 x 11 cm. OCLC#35332916

A sentimental favorite of mine this summer as I spent six years growing up in Woodbridge while my father was stationed at nearby Ft. Belvoir. Lots of notes on historic sites in the area. Printed on beige paper with reddish/brown ink.

Terrascape Publications - 10045 Springfield Pike - Cincinnati, Ohio 42215
(513) 771-7827

2. Roanoke Region, Virginia. Cartography by Profile Computer Graphics, Inc. Scale [ca. 1:36,500] and scale [ca. 1:300,000]. Williamston, Mich.: Universal Map, 1995. 2 maps on 1 sheet: both sides, col.; 99 x 99 cm. and 33 x 32 cm., sheet 87 x 113 cm., folded to 23 x 11 cm. OCLC#35332904

Panel title is Roanoke Regional Chamber of Commerce City Street Map including Cities of Roanoke & Salem, Counties of Roanoke & Botetourt, Town of Vinton. Also shows zip codes.

Universal Map - P.O. Box 15 - 795 Progress Court - Williamston, Mich. 48895
(517) 655-5641
Odds and Ends

1. *[Bar-be-que Map of the Southern United States].* Virgil’s Home Cooking. Not drawn to scale. Place of publication and publisher not given, [1995?] 1 map; 25 x 41 cm. OCLC# 35312571

Hey, this was a bit difficult to catalog because of lacking information, but fun nonetheless. I acquired this map while in New York City early this summer, it’s actually a placemat used by the restaurant Virgil’s Home Cooking. Alice Hudson recommended it as a good, inexpensive dining spot close to ALA Annual Conference site, so she and I and Betsy Mangan, Mary Larsgaard, and Barbara Story had dinner there. Great barbeque, I would highly recommend it to anyone visiting NYC (good job Alice!). I supplied the title since there wasn’t one. It shows the restaurant’s opinion of the “best we’ve ever had” in barbeque cuisine from southern, southeastern, and south-central states in the U.S.

In order to obtain a copy of this you will either have to eat at Virgil’s yourself and ask for one or sweet-talk Alice into picking one up for you and mailing it.

2. *1995 Alabama Rail Map.* Prepared by the Alabama Department of Transportation, Bureau of Transportation Planning, Division of Surveying and Mapping. Scale [ca. 1:800,000]. Montgomery, Ala.: The Bureau, 1995. 1 map: col.; 67 x 41 cm., folded to 23 x 12 cm. OCLC# 35332912

Or is the panel title *Alabama Rail Map, 1995?* Either way the information displayed about rail lines in Alabama is pretty current witnessed by the note “status as of December 1994”.

Alabama Dept. of Transportation - Bureau of Transportation Planning -
1409 Coliseum Blvd. - Montgomery, AL 36130-3050

--Paige Andrew
NEW BOOKS AND ATLASES


--Anita Oser
The meeting was called to order at 8:12 a.m. by Margaret Brill, Chair. Ms. Brill introduced the other officers present, including Melissa Lamont, Chair-Elect, Mark Thomas, Treasurer, and John Stevenson, Secretary. The Midwinter meeting minutes were approved as published in *base line*. There were no announcements.

**REPORTS OF OFFICERS**

**CHAIR’S REPORT**

Ms. Brill reported that some confusion might result from members receiving *base line* after the annual conference instead of before it. The scheduled program, “Living with Maps” was canceled prior to the ALA deadline but still appeared in the conference program despite co-sponsors and ALA headquarters being notified in advance. The cancellation was also announced on MAPS-L.

Ms. Brill announced that a progress report on the MAGERT home page project was scheduled for the second Executive Board meeting. In other good news, the Cartographic Users Advisory Council (CUAC) was revived since the Midwinter meeting, thanks greatly to work of MAGERT members. John Stevenson will rotate off CUAC following a three year term as a MAGERT representative. MAGERT needs to recruit another representative to serve along with Denise Stephens. Ms. Brill announced that Fred Anderson, of NOAA, was scheduled to attend the General Membership meeting.

Ms. Brill reported that in her term, the inactive Statistical Measurements Committee was abolished, and the Spatial Data Task Force folded into the GeoTech Committee. She also announced a rotation of committee chairs.

The Chair also sent out personal letters to 40 new MAGERT personal members inviting them to the New Members’ Breakfast.

Ms. Brill also reported that her experience as Chair led her to propose bylaws changes. Proposed changes include not requiring that the MAGERT Honors Award Recipient be a MAGERT member and that the Chair-Elect plan the annual conference program. Ms. Brill indicated that other structural matters should be examined.

The Chair also announced the need for recruiting a subscriptions manager for *base line* and a MAGERT representative to IFLA.
VICE-CHAIR/CHAIR-ELECT'S REPORT

Melissa Lamont noted that joint GODORT/MAGERT conference schedules were available, and that a joint GODORT/MAGERT hotel for the Midwinter Meeting in Washington, DC had been announced. She also encouraged interested members to join the Planning Committee for the annual conference to be held in San Francisco.

TREASURER'S REPORT

Mark Thomas announced his recent appointment as Maps and State Documents Librarian at Duke University. He noted that MAGERT finances looked good due to low publishing expenses.

SECRETARY'S REPORT

John Stevenson reported on the mailing which he completed to MAGERT personal members in the United States in Canada. The mailing was to ensure that members who did not see the electronic mail announcement soliciting applications for grants to study GIS and other programs at the Map and Imagery Lab at University of California Santa Barbara could apply for it.

He distributed attendance sheets for use by committee chairs, and showed a sample form used by LAMA, suggesting that MAGERT might want to solicit new members and involve more people through the use of interest forms.

HONORS COMMITTEE

Ms. Brill reported that Bob Karrow is the recipient of the 1996 MAGERT Honors Award.

MEMBERSHIP COMMITTEE

Steve Rogers reported that membership was down by 14 members, and that the MAGERT booth (#268) was set up.

NOMINATING COMMITTEE

Ms. Brill announced that Karl Longstreth was elected Vice-Chair/Chair-Elect, and Stephen Rogers was elected Treasurer.

PUBLICATION COMMITTEE

Ms. Koepp announced the restarting of *Meridian*; number 10 has been published and number 11 is expected in January. Plans are underway to make number 12 a special

OLD BUSINESS

Ms. Brill gave thanks to Melissa Lamont for her work on revising the MAGERT organization manual.

The meeting adjourned at 9:10 a.m.

Respectfully submitted,
John Stevenson,
Secretary

ATTENDEES
Margaret Brill  Duke University
Donna Koepp  University of Kansas
Melissa Lamont  Penn State University
Dan Seldin  Indiana University
John Stevenson  University of Delaware
Mark Thomas  Duke University
Joe Winkler  St. Louis Public Library

EXECUTIVE BOARD II
Tuesday, July 9, 1996
Javits Convention Center 1C4

The meeting was called to order by the Margaret Brill, Chair at 8:04 a.m. Other officers present included Melissa Lamont, Chair-Elect, Mark Thomas, Treasurer, and John Stevenson, Secretary.

ANNOUNCEMENTS

Ms. Brill requested that corrections to the MAGERT Manual of Organization be submitted to her by September 1, 1996. She also announced the appointment of Joe Winkler as Membership Committee Chair and John Stevenson as GODORT Liaison. Current committee chairs were asked to indicate whether they wish to continue in their positions.

Ms. Lamont announced the joint GODORT/MAGERT hotel choice for the Midwinter meeting in Washington, DC.
TREASURER’S REPORT

Mr. Thomas reported that MAGERT’s balances are growing but that once all expenses are submitted, the balance should fall to historic levels.

SECRETARY’S REPORT

Mr. Stevenson had no report, but raised the issue of funding for the MAGERT field trip and moved that $200 be appropriated to cover the cost in case of non-attendance by members. This measure passed. The proposal to appropriate $100 to cover room reimbursement to Ms. Brill for the reception was also passed.

COMMITTEE REPORTS

CATALOGING AND CLASSIFICATION

Elizabeth Mangan indicated that there was no real report. She is stepping down as chair. The new chair will be Barbara Story.

CONSTITUTION AND BYLAWS

Ms. Brill reported on the proposals to change the requirements for the MAGERT Honors award so that the recipient need not be a MAGERT member, and to change the program planner from chair to chair-elect. Other ideas may be submitted for discussion.

EDUCATION COMMITTEE

Ms. Kollen reported that the committee was interested in producing six to seven guides and would like to put them on the MAGERT home page. She also reported that the Library Education Assembly would like something done to incorporate GIS into the library school curriculum. The article “Map Librarianship into Library School Curriculum” was mentioned. Ms. Kollen will try to determine what publishers really want.

GEOTECH COMMITTEE

David Allen reported for Pat McGlamery that the committee is discussing what should be done with the GIS manual previously drafted by the Spatial Data Task Force. The committee decided to abandon print media and to concentrate on hypertext links on the web. Mr. Allen suggests that there may be a need for something in print to address frequently asked questions for beginners.

HONORS COMMITTEE
Nan Butkovich announced Bob Karrow as the 1996 MAGERT Honors Award recipient, and that an article detailing his achievements would appear later in *base line*.

**NOMINATIONS COMMITTEE**

Ms. Butkovich reported the election of Karl Longstreth as Vice-Chair/Chair-Elect and Steven Rogers as Treasurer.

**MEMBERSHIP COMMITTEE**

Steve Rogers reported that MAGERT currently has 378 members, a drop of 3% from the previous year. Claire Englander devised a survey which indicated that changes in job responsibilities and the cost of ALA dues were major reasons given for dropping MAGERT membership.

**PROGRAM COMMITTEE**

Ms. Lamont spoke about the programs planned for the annual conference in San Francisco. One will feature the geography of coffee, wine, and beer. A second program will focus on NASA’s mapping activities.

**PUBLICATIONS COMMITTEE**

(Donna Koepp’s complete report appears in the General Membership meeting minutes.)

The meeting adjourned at 9:08 a.m.

**ATTENDEES**

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<tr>
<td>David Allen</td>
<td>SUNY Stony Brook</td>
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<td>Margaret Brill</td>
<td>Duke University</td>
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<td>Nan Butkovich</td>
<td>Penn State University</td>
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<td>Donna Koepp</td>
<td>University of Kansas</td>
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<td>Chris Kollen</td>
<td>University of Arizona</td>
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<td>Melissa Lamont</td>
<td>Penn State University</td>
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<td>Mary Larsgaard</td>
<td>University of California Santa Barbara</td>
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<td>Elizabeth Mangan</td>
<td>Library of Congress, Geography and Map Division</td>
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<td>Steve Rogers</td>
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CARTOGRAPHIC USERS ADVISORY COUNCIL
MINUTES

Thursday May 9, 1996
Library of Congress
Geography and Map Division

Gary Fitzpatrick, Geographic Information Systems Specialist, started the day by taking the Council on a tour through the Center for Geographic Information. The G&M Division recognized that industry partners would be needed to help incorporate emerging technologies into existing services. The Madison Council, a Library of Congress friends group, offered a $30,000 grant to create the Center. In January of 1995 nine GIS industry leaders attended the first organizational meeting. They decided that membership in the Center would require a five thousand dollar annual contribution and appropriate donations of software, hardware and support. The Center now has twelve members and seven associate members.

The G&M Division also received funding through the National Digital Library Program (NDL), designed to preserve "core historic Americana." The G&M Division has hired four employees for the Center for Geographic Information and has identified several collections to scan for preservation including: panoramic views, land ownership maps, railroad maps, fire insurance maps, civil and revolutionary war maps and general U.S. maps. The staff of the Center are scanning the maps at 300 dpi using a color flatbed Tangent scanner. Because of the size and relative fragility of maps, the G&M Division is the only division doing in-house scanning. The scanned images are being stored on tape at the Division and will be made available via the Internet in the future. The Information Technology Service of the Library of Congress will handle the Internet display and transfer of the map images. The images are not geo-referenced. Staff of the Center consider geo-referencing an intellectual process, one which users will want to complete for themselves. The Center also has two color inkjet plotters for output. James Dyson, Automation Operations Coordinator, demonstrated the scanner and plotter for the Council. The scanned and printed maps provide a high quality, inexpensive surrogate for reference. Although the scanner can handle up to 600 dpi, the lesser resolution is more than adequate to display details, and the files are significantly smaller and therefore easier to transfer and store. At the moment the Center is unable to offer patrons the ability to manipulate the digital image. They hope to move in that direction in the future.

The G&M Division will indicate the availability of the digital image in the MARC record. For those scanned images without records, they will create smaller "reasonable" level records.

The NDL project plans call for 5 million items at the Library of Congress to be scanned. Those 5 million items are expected to require 32 terabytes of storage, of
those 24 terabytes will come from the G&M Division alone.

A third aspect of the digital initiative at the G&M Division offers public access terminals for electronic mapping. Three X-Window workstations located in the Reading Room, run a variety of mapping software. The Division hopes to offer terminals and services to the Congressional Research Service in the future.

Mr. Fitzpatrick emphasized that corporate partnerships and donations have allowed the G&M Division to move into digital technologies much more quickly. Incorporating all the new computing power into the Library and developing new lines of communication have been challenging.

Ralph Ehrenberg, Chief of the Geography and Map Division of the Library of Congress noted that the past few years have seen a number of new developments for the Division. The Philip Lee Phillips Society will work with map societies on a state and regional level. The Society has 150 members at the present.

Mr. Ehrenberg noted that the National Digital Library Program for Cartographic Information has secured four full time positions for scanning historic maps. They plan to scan 50 to 60 thousand maps by the turn of the century. Mr. Ehrenberg also highlighted the Center for Geographic Information and the public GIS facility.

The Library of Congress Summer map project will also be held this year.

Jim Flatness, Head, Acquisitions Unit, emphasized that LC is still acquiring maps and atlases on a world-wide basis. Approximately 120,000 items were retained last year including those exchanged with other nations. Mr. Flatness mentioned that transfers from the Department of State and the Defense Mapping Agency were high in the past year. Border changes necessitated new mapping and the agencies removed previous editions. LC retained about 30 to 40 percent of the transferred maps.

He also emphasized that not all federal agencies are complying with automatic distribution policies. Likewise, not all commercial products are deposited. The Acquisitions unit monitors both situations. The Unit purchased new maps of Russia. In addition, the Madison Council has obtained several historic maps in the past year. In addition, the Division is concentrating on collecting materials that document mapmaking, especially American maps and mapmakers.

Barbara Storey, Head, Cataloging Unit, noted that arrearages have been reduced, particularly the atlas backlog. Two staff have been added to the Cataloging Unit. Presently 13 staff catalog maps, 3 catalog atlases and 1 staff person concentrates on digital materials. The Cataloging Unit will also update records for scanned images. Further, the Unit is working with the Department of State and the Defense Mapping Agency to create MARC level cataloging for their agencies’ holdings. DMA already
does some in-house cataloging.

Gary Fitzpatrick added that he is a member of the Coordinating Committee of the Federal Geographic Data Committee, and that Mr. Ehrenberg is on the Steering Committee. Mr. Fitzpatrick noted that maps and other material displayed at the Environmental Systems Research Institute annual conferences are now located at LC.

Mr. Fitzpatrick and Mr. Flatness emphasized that they will need to coordinate to work toward new approaches to acquiring digital data. The GIS industry has expressed concern about archiving, a need that may be filled by recent developments at the G&M Division.

Friday May 10, 1996
U.S. Government Printing Office


Mr. Baldwin chronicled for the Council the sequence of events beginning last year with the U.S. Congressional mandate that GPO identify measures necessary for a successful transition to a more electronic Federal Depository Library Program. This transition was announced and discussed at the Depository Library Council meetings in Memphis last October. Comments were solicited from the Depository Library community before a mid December draft plan was due back to Congress. A draft transition plan was published in Administrative Notes on December 29, 1995 and discussed again at the American Library Association (ALA) Midwinter meetings in San Antonio in January 1996. Comments have been solicited on each of many Task Force Reports since then.

The draft transition plan has now become the Federal Depository Library Program: Information Dissemination and Access Strategic Plan, FY 1996-FY 2001. Mr Baldwin is currently working on the final version of this plan. Currently the report includes no specific references to cartographic information. He invited and encouraged CUAC members to send comments to him before May 24, 1996, so that he can include this information in the final plan.

The current strategic plan gives us a longer time frame, until 2001, to move to an all electronic depository program. It will incorporate some of the same values in the program that we have had all along. It will place more emphasis on coordination among various players to assure long term access and archiving, i.e. the libraries, GPO, and the National Archives and Records Administration (NARA). GPO’s electronic storage facility is in very early planning stages. Some other agencies have approached GPO and
expressed an interest in playing a part in this.

There are changing expectations of libraries in the FDLP. The deadline for new service level requirements, i.e., Internet access is October 1, 1996. CUAC will provide Mr. Baldwin with special equipment requirements for cartographic data and mapping software.

CUAC’s concern about training needs were discussed, and Mr. Baldwin asked that we provide him with language to that effect in our minimum equipment requirements document that we submit to him.

The concept of ‘most appropriate format’ as discussed in the Strategic Plan was discussed. Mr. Baldwin asked CUAC to submit our recommendations. But he pointed out that GPO has no ability to influence agencies and the format of the products they provide. CUAC should talk directly with the agencies about specific products.

Concern over National Archives and Records Administration (NARA) archiving cartographic data was discussed. It has been announced at the recent Federal Depository Conference that NARA would archive data that could be converted to ASCII format and that has documentation. Since this would not be appropriate for a large quantity of cartographic data there is concern that it would not be archived.

The digital version of the soil maps have been deposited at Cornell. These were not in the depository program. Mr. Baldwin pointed out that this information would have been useful back at the time they were working on the Task Reports. Denise Stephens will investigate further.

Mr. Baldwin concluded his remarks by encouraging CUAC input into the final Strategic Plan.

Ms. Robin Haun-Mohamed, Chief Depository Administration Branch, GPO announced that the cartographic products now distributed by Defense Mapping Agency (DMA) and U.S. Geological Survey (USGS) to Depository Libraries will continue. However, there have been problems in having agencies respond to the GPO study on a “more electronic federal depository library program.”

Increasingly, GPO is seeing more information being issued electronically by governmental agencies. Agencies are expecting cost savings by issuing many small documents and pamphlets on CD-ROM, but publication by CD-ROM has led to cataloging problems. Digital Orthophoto Quadrangles (DOQ) and Digital Raster Graphics (DRG) are coming out quickly. Originally they were to be produced on a 1 degree by 1 degree quadrants. In response to GPO and library input, these are now issued by state. This is an example of how an agency has altered its publication plans to aid in public accessibility.
Fugitive documents are still a problem for GPO. DMA’s Digital Chart of the World is a prime example. In addition, documents, once firmly within the depository program are now disappearing. National Oceanographic and Atmospheric Administration’s (NOAA) Tide Tables are now available on CD-ROM for $90.00. Agencies are not required to distribute materials that fall into the category of “internal use”. The Airport Obstruction Charts have been eliminated from the Depository Program for that reason.

In the transition to a more electronic depository program GPO wants to reduce/eliminate duplication of formats. If the primary dissemination of a particular piece of government information has been determined by the issuing agency to be the World Wide Web, GPO will not distribute a file or paper edition. Rather GPO will try to point to the website from its own website. Agencies themselves have shown that they are not always seriously concerned with the archiving/preservation of information once it has been superseded or revised, nor do they think it is GPO’s concern. GPO’s authority is also being questioned when it comes to controlling/cataloging electronic information sites. Agency pamphlets that are used heavily by library patrons are usually the first to be posted on an Agency’s website and not printed.

Agencies often do not focus on their primary audience for this information. Information files can be huge, requiring mainframe computers. The impact on libraries and users of such products as DOQs, DRGs, and Magellan data is rarely factored in.

Ms. Haun-Mohamed is also concerned about the public/private cooperative efforts in disseminating government information. A title, for example, the Bureau of the Census’ Current Population Report on Hispanic Population, has always been available to depository libraries from the agency through GPO. The agency collected the data and promised GPO copies, then said no copies would be available because it was available on the Census’ website. Ultimately a private group, the Association of Hispanic Publications, with some help from Philip Morris, Inc., took the Census data, added "value" by reformatting the data and published it under the title Hispanic-Latinos: Diverse People in a Multicultural Society. This title has been copyrighted and is available for sale. This has been happening more and more.

John Stevenson asked Ms. Haun-Mohamed about world maps from DMA not coming to GPO for cataloging, but simply distributing the World maps to depository libraries selecting these maps. Ms. Haun-Mohamed said that GPO now has copies to catalog.

Denise Stephens asked about a new edition of Landview software. Robin will check to see if a new version is available. Melissa Lamont asked Robin for more information about a GPO/private consortium to take on the problem and responsibility of long-term storage and public access to cartographic materials.

DMA Representative, Jeannie Thackery, Chief, DMA Libraries noted that DMA is undergoing reorganization. The new Customer Service Team (led by Lt. Cmdr. Dianne
Edson) is probably the most appropriate current contact for CUAC.

While no final decision has been reached, DMA is planning to be merged into a new agency, NIMA (National Imaging and Mapping Agency). Executive authorization is pending. On a positive note, the reorganization has put all DMA libraries under a single head (Ms. Thackery). A new move to encourage the participation of MLS librarians is hoped to enhance DMA’s mostly cartographer-base libraries. 170 staff are employed.

DMA now has a WWW presence (http://www.dma.gov/) and plans to use it to broaden its accessibility.

As a producer of information, DMA is capable of emergency response activities. An example is the rapid development and distribution of the special Bosnia map. The map was key in supporting deployment of military personnel to the area.

Ms. Thackery quickly worked to find answers to the queries made by CUAC regarding the availability of the DCW (Digital Chart of the World) and other products. The following memo begins to answer some of the Council’s questions concerning DMA production and distribution practices.

Date: 10 May 1996

From: LCDR Dianne Edson, USN
Defense Mapping Agency
Federal Agencies Customer Support Team

Subject: Response to CUAC Questions

1. What is the status of the revised Digital Chart of the World? Will it be distributed as part of the Depository Library Program? If not, how might it be obtained?

The revised Digital Chart of the World is called Vector Smart Map (VMAP) level 0. It will be available at the end of September. It has not been determined yet if it will be part of the Depository Library Program. It will be available for public sale through the U.S. Geological Survey at a cost of about $140 (final price will be set in July/August).

2. Has DMA developed an outlook for the future of paper publications? (Will the nautical charts, for example, continue to be distributed in paper?)

DMA is migrating toward producing a database of global geospatial information and services (GGI&S), which will ultimately be queried for specific information by each user. Eventually, a customer will get the information they want and print out the map or chart.
themselves at whatever scale and size they want. In the meantime, paper products will not go away for awhile.

3. With respect to electronic products, how will metadata and other useful textual information be stored/disseminated?

Vector format digital products include a "layer" or coverage that contains the metadata. The user can query a point or feature and the metadata will appear in a window. Raster format digital products will have metadata appear in a pull-down menu on request.

4. How can the Council help to promote access to both paper and electronic DMA products?

The DMA Customer Help Desk can be reached at 1-800-455-0899. This number represents a single point of contact for the general public to ask questions about DMA products and services. DMA also has a Home Page on the World Wide Web: http://www.dma.gov. The Council can disseminate this information to reach a wider audience.

5. Several products listed in the new DMA newsletter, NAVIGATOR, have not been seen by most cartographic information users. What is their availability to the public?

The NAVIGATOR listed many DMA products. We will review the list for releasability and method of distribution and provide a consolidated response at a later date.

6. As information managers, we are concerned about the impact of proliferating electronic publications on general access. As a distribution agency, has DMA formulated a vision of this issue?

As a Combat Support Agency, DMA's primary mission is to provide GGI&S to Department of Defense activities. Any time the public can "bonus off" products we make for the military, we are directed to make those products available. This is subject to classification and release issues. Public sales of our products are handled, by signed Memoranda of Understanding, by the National Ocean Service for aeronautical and nautical products and by USGS for topographic products. We are currently working on agreements with each of these agencies to handle the public sale of digital products once they become available in large quantities. Please address any questions you may have concerning these matters to LCDR Dianne Edson, USN, DMA/OGCF, at (703) 275-5749 or via email at EdsonD@dma.gov.

Regarding DCW, it has been renamed Vector Smart Map (VMAP), Level 0. It's depository status is undetermined at this time. It will, however, be sold at $140.00 by USGS and release is expected in September 1996.

The JOG (Joint Operational Graphics) remains in limbo. This title is jointly produced base line 17(4): 24
with the cooperation of foreign governments (scale 1:250,000). Efforts to determine its status will be made.

Efforts will also be made to determine the status of the 1:250,000-scale P.A.I.G.H map series (Pan American Institute for Geography and History).

Awareness of the NAVIGATOR, the new DMA newsletter is not wide among federal information distributors. Its listing of several generally unknown DMA electronic titles has generated questions about availability for general public distribution. This list also includes the former DCW (now Vector Smart Map, or VMAP). We have been promised follow up on our request for information about these items.

Eliot J. Christian, Chief, Data and Information Management, Information Systems Division, U.S. Geological Survey discussed the history and structure of the Government Information Locator Service (GILS). GILS is an Internet locator and a standard for searchable records. GILS records identify public information resources within the Federal Government, describe the information available in these resources, and assist in obtaining the information. They serve as a label to point to the location of information on the Internet. Record production is decentralized at the product development level with a fair amount of openness that does not constrain the way the information is managed or presented and does not constrain how the locator record is structured. The search protocol is key to allowing queries for the various data products across agencies and networks and obtaining reliable results. The flexibility of the GILS standard has precipitated its adoption on the international level with Canada (http://www.access.gpo.gov/su_docs/gils/gils.html), Australia (http://kaos.erin.gov.au/general/gils/erin_gils.html), the United Kingdom and Japan adopting GILS along with U.S. federal and state agencies complying at some level.

GILS is available from the GPO Access Home Page or directly at http://www.access.gpo.gov/su_docs/gils/gils.html).

Mr. Billy Tolar, Federal Geographic Data Committee noted that two of the major activities of the FGDC in implementing the National Spatial Data Infrastructure, which is intended to bring spatial data producers and users together, are the creation of standards and a spatial data clearinghouse. For our discussion Mr. Tolar concentrated on the FGDC Metadata Standard, which documents spatial data sets.

A simple definition of metadata is that information you want to know about someone else's data. Metadata is the information that make data useful to others. It describes the content, quality, condition and other characteristics of data. Uses of metadata include organizing and maintaining databases, providing information to data catalogs and clearinghouses, and providing information to aid data transfer. What it does not do is provide a means to organize information in a computer system, prescribe the method of transfer, or dictate how the data are presented to the user.
The FGDC has developed Content Standards for Digital Geospatial Metadata Workbook. Mr. Tolar suggests that the Workbook version of the standard is perhaps easiest to use and to comprehend. The standards have been in use for 2 years and are up for review. Mr. Tolar would like to get input from the library community. The standards as well as Mr. Tolar’s presentation are available at the following URL = http://www.fgdc.gov. The FGDC is also looking for additional nodes on the Clearinghouse. The Clearinghouse function of the FGDC provides a distributed network of geospatial data producers, managers, and users linked electronically. For more information and software see the FGDC website.

Hedy Rossemissl is the National Mapping Division’s new Senior Program Advisor for Data and Information Delivery, replacing Gary North, who has retired. She presented an overview of USGS’s web pages (USGS estimates that there are 100,000 agency pages up), indicating that USGS is treating the web as “virtual storefront” or sales points for information. She mentioned that National Water Data Conditions, previously published in an abridged format on a monthly basis, is now available complete on the web as is the Geographic Names Information System (GNIS). She was unaware about how this information is being archived.

The U.S. Biological Survey has been absorbed into USGS, and constitutes a Biological Division within the Survey.

It was suggested that Depository Libraries should be included as a link on web pages that describe access to USGS products, along with sales information. USGS is discussing print-on-demand capabilities with 3M; it is hoped that this discussion will result in low cost efficient printing in large format from digital products. When asked what “low-cost” meant, Ms. Rossmeisl replied “under $5,000” for a plotter.

The indexes and map inventory will be online soon.

When asked whether, with all this digital emphasis, there was any focus on paper, Ms. Rossmeisl replied that USGS was still planning to support the paper products. She said that 7.5-minute topographic series quadrangles would continue, and that DRGs will NOT be the only way libraries will receive data.

DRGs are considered to be a one-shot deal USGS has made no plans for updating them. All of them will be available on the Internet within a year. The CD-ROM will, it is hoped, be distributed completely by then also. It is recognized that current DRGs are fine for backdrops, but not necessarily the best resolution for print-on-demand or GIS manipulation.

The Global Land Information System (GLIS) includes access to indexing of Landsat data, including online ordering capabilities.
The question of quad name changes that are reflected on indexes but for which no map has yet been produced was raised but not answered.

The status of Professional Paper 1200 and the currency of GNIS updating were raised as topics, but not answered. Jim O'Donnell will continue to work on both questions.

It was proposed that CUAC take a position on paper and digital accessibility. CUAC discussed dual format distribution for the near future. Many libraries cannot afford the computer and printing equipment necessary to handle large data sets such as the DRGs. Paper distribution through the DLP and web access to digital formats may circumvent the strict interpretation of dual distribution.

USGS plans to make all of its data available for free in the Spatial Data Transfer Standard (SDTS), and to charge for data in other formats (such as ARC/INFO). Digital Elevation Models are on track to be available/distributed in this way. A request was made that Alaska and Antarctica indexes be updated. Currently there is no index to Alaska 7.5' quads.

Joel Morrison, Chief, Geography Division, U.S. Bureau of the Census, addressed issues dealing with the move to increased use of electronic formats and the elimination of most published reports. Planning is well under way for Census 2000, so questions or concerns should be directed to the Bureau of the Census as soon as possible.

For Census 2000, the Bureau of the Census proposes to:

- Make every effort—from simpler, user-friendly forms to the design of field operations—to count every household.
- Implement an open process that diverse groups and interests can understand and support.
- Eliminate the "differential undercount" of racial and ethnic groups.
- Produce a "one-number census" that is right the first time and that unites us as a Nation rather than dividing us as litigants.

Among the strategies to achieve these goals:

- Build partnerships
- Keep it simple
- Use technology intelligently
- Use statistical methods

Data collected in Census 2000 will be designed to display with the appropriate map so that users will be able to easily locate Census geographical units. Census 2000 could be the last attempt to count every person in the country as part of a snapshot. Population counts may become obsolete. The American Community Survey, beginning in 1999, will replace the long form questions of the decennial census by using sample data. Redistricting by 2010 might be compiled by the Bureau based on the administrative
records of a variety of agencies.

Census will compare the 120,000,000 addresses in its master file with local governments’ lists before the counts are made. About 39,000 local jurisdictions were sent requests to update their data. For Census 2000, the Bureau will initiate a new strategy: instead of controlling the number of forms to prevent duplicate counting, the country will be blanketed with forms, e.g., forms mailed to residences and distributed in malls. Statistical methods will be used to eliminate duplicate responses. Completed paper forms will be handled once, scanned, shredded, and destroyed, and images will be stored. Forms will be collected in localities until 90% have responded and an additional 9% will be extrapolated from follow up survey results. Postcards will be sent to all addresses notifying the residents of the form to come. Following the form, another postcard will be sent as a reminder. If there is no response, a second form may be sent and the resident reminded by telephone. The idea is to greatly reduce the need for enumerators in the field.

Census has sought input from data users, who have strongly urged the Bureau to make historical data accessible online for comparison purposes. The Bureau acknowledges that many users want to compare data from several decennial censuses (e.g., 1980-2000) and to this, access to at least twenty years of historical data will be required. The Bureau will separate its collection and tabulation functions. This separation is intended to facilitate cost-efficient data collection and to make comparable tabulations possible.

Census is employing technology to improve its work. Database models, e.g., TIGER/line files, will gradually improved through use of Global Positioning System (GPS) technology. Not every address will be plotted using GPS for Census 2000 as there is no budget to upgrade the TIGER. TIGER/line files will be updated as the collateral effect of other data collection efforts. The Bureau is working to design second and third generation database models and sees TIGER as a 1980s database built on 1970s concepts. Census sees promise in its prototype ORACLE relational database, which might be easy to use with GIS programs such as ArcInfo. Census is working to make its own internal database object oriented while protecting confidential information with a firewall.

Many familiar printed reports will be eliminated in favor of low cost or free customized reports. Updates may be entered as other data is gathered as a collateral effect. It has been announced that Census 2000 will only be available electronically, but it is possible that there may be a few printed reports. Data will be made available through the Data Access and Dissemination System (DADS). Mr. Morrison indicated that one concept in development would allow users to draw a polygon and to get demographics for the area described.

Census 2000 will allow separate tabulations. For example, Indian nations whose territory crosses state lines will receive tabulation for their entire area and will not have
to add values for the various states as in the past. Census 2000 will be distributed in pre-defined products, simple user-defined products, and complex user-defined products. Census plans to make available a retail products CD-ROM containing 1990 Census data and software for under $100 to encourage users to learn simple mapping techniques. Later, these users might download data from the Internet.

Other points mentioned by Mr. Morrison include the use of the Internet for a variety of tasks, including promotion, market research, custom product generation, and online ordering (among others). Geography will be the integrating factor, and confidential personal data will be protected. The Bureau of the Census is concerned with data integrity, metadata, documentation, and standards. The Bureau is responsible for gathering data used by other federal agencies, and has an interest in cost recovery.

Fred Anderson, Chief of the Distribution Division of National Ocean Survey was the last presenter of the day. He was accompanied by Sharon Kemp, Chief of the Inventory Management Group, which is responsible for providing NOS products to GPO for distribution to depository libraries. Mr. Anderson described the organization of the National Ocean Survey (NOS) and possible future changes. These may include moving aeronautical charting to the Federal Aviation Administration (FAA) and combining the Coast Survey and the National Geodetic Survey as a quasi-governmental corporation. If aeronautical charting is not moved to the FAA, it would be added to the corporation. Noting the size and complexity of the National Oceanographic and Atmospheric Administration (NOAA) and the number of products released by various sections of the agency, Mr. Anderson suggested that CUAC develop additional contacts within the NOAA.

Carol Beaver, Director of the Office of Aeronautical Charting and Cartographic, has retired. Terry Faydon, Captain in the NOAA Corps is acting Director.

The following items have been discontinued from the Depository Library Program:
Airport Obstruction Charts and Obstruction Data Sheets (Item 0192-A-02) These charts that were produced for the FAA and NOS received a waiver to discontinue them from the Depository Library Program as a cost saving measure.

Tide and Tidal Current Tables (Items 0190-91, 0196-99). These have been cut due to a halt in funding. NOS is producing a $90 CD-ROM with the data in post-script format. This has been purchased by two commercial firms who are publishing books to replace the NOS publications. NOS is also providing 3 day tide information on the World Wide Web.

Bathymetric Map Products (Item 0191-B-17). These were discontinued due to lack of funding. They will be reproduced and sold by the national Geophysical Data Center.

New Items in the Depository Library Program:
Atlanta Olympics Helicopter Route Chart (Item 0192-A-14). After the Olympics, a new edition will be produced without the Olympics information.


NOS Catalogs of DMA Nautical Products (Item 0378-E-11). 9 volumes of DMA Nautical Products available for public sale from NOS.

NOS Catalog of DMA Aeronautical Products (Item 0378-E-08). DMA Aeronautical products available for public sale from NOS.

Changes to the items in the Depository Library Program:


U.S. Terminal Procedures Publications. Effective with the April 25, 1996 edition, this will be published in both loose-leaf and glue bound editions. The Depository Libraries will receive the glue bound edition.

The two day Cartographic Users Advisory Council meeting went beyond the discussions with representatives of map producing agencies. In the course of the meeting, CUAC members prepared guidelines for the increased hardware and software requirements necessary to utilize some of the spatial data now being distributed through the Federal Depository Library Program. CUAC members were concerned that the newly announced guidelines for public access work stations in Federal Depository Libraries were unrealistic for the demands of electronic spatial data. CUAC’s recommendations, compiled by members Donna Koepp and Melissa Lamont, were sent to Gill Baldwin, Chief, Library Division, U.S. Government Printing Office (GPO) and have since been published in the Administrative Notes, the Federal Depository Library Program’s newsletter, as “Spatial Data Supplement to Recommended Minimum Specifications for Public Access Work Stations in Federal Depository Libraries.” (Administrative Notes, v. 17-#08-06/15/96, p.14-15.

--John Stevenson

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EDITOR’S NOTE: The General Membership Meeting notes will appear in the next issue of base line.
CALL FOR PAPERS

17TH INTERNATIONAL CONFERENCE ON THE HISTORY OF CARTOGRAPHY LISBON 6-10 JULY 1997

This is a multi-disciplinary conference open to anyone. The organizers welcome the insights brought by those who approach maps from any perspective.

The National Commission for the Commemoration of Portuguese Discoveries (CNCDP) and the Institute of Scientific Tropical Research (ICT) have set up a committee which, together with Imago Mundi Ltd, will be organizing the 17th International Conference on the History of Cartography, in Lisbon in 1997.

DATE AND PLACE
The Conference will take place in Lisbon and will run from Sunday, July 6th, to Thursday, July 10th, 1997. Working sessions will be held in the National Archives. The Inaugural Session will take place in the Hall of Portugal, at the Lisbon Geographical Society.

EXHIBITIONS
During the Conference there will be several exhibitions on cartographic themes.

PRE-MEETINGS
On Saturday, July 5th, two meetings will take place in the conference rooms of the National Archives: firstly, the International Society of Curators of Early Maps (ISCEM) and, secondly, “Teaching the History of Cartography”: a joint session of the two ICA Commissions, ‘History of Cartography’ and ‘Education and Training’.

CONFERENCE THEMES
** Cartography and Diplomacy
** The Cartography of the Indian Ocean
** The Cartography of sub-Saharan Africa
** Portuguese Cartography
** Other subjects in the History of Cartography

CALL FOR PAPERS AND POSTER SESSION PRESENTATIONS
All those wishing to read papers are invited to send the Conference Secretariat an abstract in English, French or Portuguese (in no more than 250 words on a 3.5" diskette, Microsoft Word, unformatted text). The time allowed for each paper will be 20 minutes, followed by 5 minutes discussion. On the last day of the Conference there will be a “Poster Session”. Those who are interested in presenting material are requested to send an abstract in English, French or Portuguese (in no more than 250 words on a 3.5" diskette, Microsoft Word, unformatted text) to the Conference Secretariat, and to
indicate at the same time the amount of space they will need for displaying their material. 

THE CLOSING DATE FOR THE RECEIPT OF ABSTRACTS IS 15 NOVEMBER 1996

The Scientific Committee, which includes members from other countries, will make the final selection of the papers to be presented at the conference sessions and the poster presentation, and will inform those concerned in writing before 15 February, 1997.

LANGUAGES
The languages used will be English, French and Portuguese, with simultaneous translation between English and Portuguese.

REGISTRATION

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<td>Visit to Covora (July 11th)</td>
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<td>Registration fee AFTER 15 February 1997</td>
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CONFERE NCE PROGRAMME

SATURDAY, July 5th, 1997
10.00 a.m.-3.00 p.m. - ISCEM Meeting
2.00 p.m.-6.00 p.m. - Registration and delivery of documentation
3.15 p.m.-6.00 p.m. - ICA Symposium on “Teaching the History of Cartography”

SUNDAY, July 6th, 1997
9.00 a.m.-6.00 p.m. - Registration and delivery of documentation
11.00 a.m.-12.00 a.m. - Inaugural Session
2.30 p.m.-3.30 p.m. - Opening session
3.30 p.m.-4.00 p.m. - Coffee-break
4.00 p.m.-5.15 p.m. - Working sessions
5.30 p.m. - Opening of an exhibition
7.30 p.m. - Reception given by the Organizing Committee (CNCDP/IICT)

MONDAY, July 7th, 1997
9.30 a.m.-12.30 a.m. - Working Sessions
12.30 a.m.-2.00 p.m. - Lunch
2.00 p.m.-5.00 p.m. - Working Sessions
5.30 p.m. - Opening of an Exhibition of Lisbon cartography organized by the Lisbon Town Hall

7.30 p.m. - Reception given by the Mayor of Lisbon
TUESDAY, July 8th, 1997
9.30 a.m.-12.30 a.m. - Working Sessions
12.30 a.m.-2.00 p.m. - Lunch
2.00 p.m.-5.00 p.m. - Working Sessions
5.30 p.m. - Opening of an Exhibition about the Cartography of the Frontiers of Brazil and the Former Portuguese Colonies in Africa

WEDNESDAY, July 9th, 1997
9.30 a.m.-12.30 a.m. - Working Sessions
12.30 a.m.-2.00 p.m. - Lunch
2.00 p.m.-5.00 p.m. - Working Sessions
5.00 p.m.-7.00 p.m. - Session on Theory in the History of Cartography
7.00 p.m. - Opening of an Exhibition
Evening - Meeting of the directors of IMAGO MUNDI LTD

THURSDAY, July 10th, 1997
9.30 a.m.-3.00 p.m. - Poster Session
3.30 p.m.-4.30 p.m. - Closing Session
5.00 p.m. - Concert
8.00 p.m. - Farewell Dinner

FRIDAY, July 11th, 1997
8.30 a.m. - Excursion to Covora

********************************************************************
If you completed a 'Provisional Registration Form' the printed “Call for Papers” will BE ON ITS WAY TO YOU. Otherwise, if you wish to present a paper or a poster, or just want to attend the conference, contact the National Commission for the Commemoration of Portuguese Discoveries (CNCDP), whose details follow, and they will send you the “Call for Papers”. This includes a registration form and further relevant details, e.g. about hotels.

****** Please be sure to include your FULL MAILING ADDRESS ******

CNCDP
Casa dos Bicos
Rua dos Bacalhoeiros
1100 LISBOA
Portugal
Tel: (+351-1) 888 48 27 Fax: (+351-1) 887 33 80 e-mail: cncdp@mail.telepac.pt

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### PUBLICATIONS

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<tr>
<th>Title</th>
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<td><strong>Guide to U.S. Map Resources</strong></td>
<td>$65.00</td>
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<tr>
<td><strong>The West Indies and Florida to 1900: an Annotated Carto-bibliography</strong></td>
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