Appendices

Appendix A

| A1 | Inventory of fifty CIPACS and their main features                                      | A/1 |
| A2 | Tabular comparison of fifty CIPACS                                                   | A/31|

Appendix B

| B1 | CIPAC Library Questionnaire (English version)                                     | B/1 |
| B2 | CIPAC project literature / Response to the CLQ                                   | B/3 |
| B3 | System architecture/technology data for two CIPACS                                | B/4 |
| B4 | Using CIPACS for the creation of an OPAC – a case study                            | B/6 |

Appendix C

| C1 | Topics in the user survey (provisional operationalization)                         | C/1 |
| C2 | Details of questionnaire design                                                    | C/3 |
| C3 | Sample welcome page                                                               | C/5 |
| C4 | Sample user questionnaire                                                          | C/6 |
| C5 | Sample CIPAC web-page with link to questionnaire                                  | C/10|
| C6 | Summary of field work                                                             | C/11|
| C7 | CIPAC user survey: Tables                                                           | C/12|
Appendix A1: Inventory of fifty CIPACs and their main features

This section presents an overview of the fifty CIPACs (or, more accurately, CIPAC sites) that have been identified so far. As on the International CIPAC List, a geographical arrangement is used.\(^1\) The information collected on the individual CIPACs is presented in a semi-standardized, directory-like way, i.e. by using a set of categories. In order to save space, some categories (e.g. OCR processing) are mentioned here only when applicable, others are listed only in the tabular presentation that follows in Appendix A2. The highlighted headings include for each CIPAC a consecutive number, the name of place/institution, as well as the year of first implementation. All data have been double-checked and, if necessary, corrected, to be up-to-date as of 1/2/2002.

Austria (AUT)

<table>
<thead>
<tr>
<th>CIPAC</th>
<th>CIPAC offered:</th>
<th>Technical information:</th>
</tr>
</thead>
</table>
| [1] Graz: University of Arts Library | (1) Catalogue of books (approx. 12,000 cards)  
(2) Printed music catalogue (14,000 cards)  
(3) Audio media catalogue (approx. 7,000 cards)  
(4) Decentral holdings catalogue (13,000 cards) | Total no. of card-images: 47,531 (scanned on-site by student helpers)  
Image format: GIF (b/w)\(^2\)  
Manual input: Index (based on the headings of every 5\(^{th}\) card; student helpers)  
CIPAC software: Basic HTML-solution, written in-house (by J. Fauland & G. Suppan)  
Features for navigation / retrieval: By clicking on an index entry (left frame) the user controls the display of the card-images (a continuous sequence in the right frame).  
Features for online ordering of books: None  
Online help: None  
Sources: CLQ; WWW |

<table>
<thead>
<tr>
<th>CIPAC</th>
<th>CIPAC offered:</th>
<th>Technical information:</th>
</tr>
</thead>
</table>
Image format: GIF (b/w) |

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1 By countries (three-letter ISO 3166 codes) and English place names.  
2 black and white  
3 handwritten  
4 Prussian Instructions (grammatical word order; see also section 3.4.2).
CIPAC software: *KatZoom* (Austrian National Library)

**Features for navigation / retrieval:** See section 2.2.1; division factor: 4 or 8 (adjustable)

**Features for online ordering of books:** None

**Online help:** Several help pages available (brief description of *KatZoom* and its basic features; contents and arrangement of the catalogue)

**Sources:** WWW

---

**Innsbruck: University of Innsbruck Faculty of Theology Library**  
1999

**CIPAC web address:** [http://c108-katj.uibk.ac.at/](http://c108-katj.uibk.ac.at/)

**Contact:** System Administrator, Main Library <eveline.pipp@uibk.ac.at>

**CIPAC offered:** Jesuit Library – *author/title catalogue 1500–1998* (mainly h/w; PI)

**Technical information:**
- **Total no. of card-images:** 176,149 (scanned by EMD, Austria)
- **Image format:** GIF (b/w)

**CIPAC software:** *KatZoom* (Austrian National Library)

**Features for navigation / retrieval:** See section 2.2.1; division factor: 4 or 8 (adjustable)

**Features for online ordering of books:** None

**Online help:** Several help pages available (brief description of *KatZoom* and its basic features; contents and arrangement of the catalogue)

**Sources:** CLQ; WWW

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**Vienna: Austrian National Library**  
1997

**CIPAC web address:** [http://www.onb.ac.at/kataloge/index.htm](http://www.onb.ac.at/kataloge/index.htm)

**Contact:** IT Services <wilhelm.dikovich@onb.ac.at>

**CIPACs offered:**
2. *Subject catalogue 1930–1991* (1,689,805 cards)
3. *"Old" autographs catalogue of the Manuscript Department* (138,658 cards)
5. *Literary forms catalogue, 1501–1929* (180,445 cards)

**Technical information:**
- **Total no. of card-images:** 3,543,343 (scanned at 200 dpi on-site by Kodak / EMD, Austria)
- **Image format:** GIF (b/w)

**CIPAC software:** *KatZoom* (developed by in-house by W. Dikovich)

**Features for navigation / retrieval:** See section 2.2.1; division factor: 4

**Features for online ordering of books:** Yes (see section 2.2.1)

**Online help:** Several help pages available (a brief description of *KatZoom* and its basic features, and, for each CIPAC, separate pages on the catalogue contents and arrangement)

**Other information:**
- CIPACs (1) and (2) overlap to some extent with the library’s OPAC (works published 1989–1991 can be found in both catalogues).
- Originally, two more CIPACs were offered over the web, i.e. the author/title catalogue and the subject catalogue for the period 1501–1929 (1.1 and 1.4 million cards, respectively). However, in 2000 these catalogues were converted into an *Aleph 500* OPAC, which lead to the subsequent withdrawal of the CIPAC versions.\(^5\)

**Sources:** Dikovich & Wilhelm (1997); Dikovich (2000); CLQ; WWW

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\(^5\) See also the case-study in Appendix B4.
Fig. A-1: KatZoom – the form for online ordering

(5) Vienna: University of Vienna Library

CIPAC web address: [http://ub.univie.ac.at/ol_kat.htm](http://ub.univie.ac.at/ol_kat.htm)

Contact: Head, Cataloguing (Decentral Libraries) <johann.winkler@univie.ac.at>

CIPACs offered:
(1) Author/title catalogue 1500–1931 (a book catalogue of approx. 68,000 pages; mostly h/w)
(2) Author/title catalogue 1932–1988 (968,281 cards; filing rules: PI)
(3) Subject catalogue 1500–1931 (1,027,137 cards)
(4) Subject catalogue 1932–1971 (601,166 cards)
(5) Subject catalogue 1972–1989 (290,950 cards)

Technical information:
Total no. of card-images: 3,860,543 (scanned at 200 dpi on-site by EMD, Austria), plus 67,568 images of the pages of the book catalogue (scanned from a microfiche version created in 1983)
Image format: GIF (b/w), TIFF (book catalogue only, plug-in required)

CIPAC software: KatZoom (Austrian National Library)

Features for navigation / retrieval:
- Card catalogues: See section 2.2.1; division factor: 8
- Book catalogue: See section 3.4.1; division factor: 3

Features for online ordering of books: None

Online help: Several help pages available (a brief description of KatZoom and its basic features, and for each CIPAC help pages on catalogue contents and arrangement)

Sources: Universitätsbibliothek Wien (1999; 2000); CLQ; WWW

(6) Vienna: University of Economics and Business Administration Library

CIPAC web address: [http://www.wu-wien.ac.at/bib/untre/zettelkatn.html](http://www.wu-wien.ac.at/bib/untre/zettelkatn.html)

Contact: Sub-librarian (Reader Services) <peter.svoboda@wu-wien.ac.at>
### Appendix A

**CIPACs offered:**

1. *Author/title catalogue –1930* (43,555 cards, many h/w; filing rules: PI)
4. *Subject catalogue –1930* (52,192 cards, partly h/w)
5. *Subject catalogue 1931–1969* (67,807 cards, subject headings h/w)

**Technical information:**

<table>
<thead>
<tr>
<th>Category</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total no. of card-images</td>
<td>412,718 (scanned by EMD, Austria)</td>
</tr>
<tr>
<td>Image format</td>
<td>GIF (b/w)</td>
</tr>
<tr>
<td>CIPAC software</td>
<td>KatZoom (Austrian National Library)</td>
</tr>
</tbody>
</table>

**Features for navigation / retrieval:**

- See section 2.2.1; division factor: 4

**Features for online ordering of books:**

- None

**Online help:**

- Several help pages available (a brief description of KatZoom and its basic features, and for each CIPAC help pages on catalogue contents and arrangement)

**Sources:**

- Wirtschaftsuniversität Wien (1999); CLQ; WWW

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**CIPAC web address:** [http://mak.onb.ac.at/mak/](http://mak.onb.ac.at/mak/)

**Contact:** <library@mak.at>

**CIPACs offered:**

1. *Author/title catalogue –1994* (64,809 cards, partly h/w; filing rules: PI)

**Technical information:**

<table>
<thead>
<tr>
<th>Category</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total no. of card-images</td>
<td>192,194 (scanned at 200 dpi on-site by EMD, Austria)</td>
</tr>
<tr>
<td>Image format</td>
<td>GIF (b/w)</td>
</tr>
<tr>
<td>Manual input</td>
<td>Indexes (12,000 subject headings; places/years of exhibitions)</td>
</tr>
<tr>
<td>CIPAC software</td>
<td>KatZoom (Austrian National Library)</td>
</tr>
</tbody>
</table>

**Features for navigation / retrieval:**

- Author/title catalogue: See section 2.2.1; division factor: 8
- Other catalogues: Extended KatZoom features (browsing of indexes; see section 2.2.1)

**Features for online ordering of books:**

- None

**Online help:**

- Several help pages available (for each CIPAC help pages on the specific search options and on catalogue contents and arrangement)

**Sources:**

- CLQ; WWW

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### Switzerland (CHE)

### 8. Basel: University Library 2001

**CIPAC web address:** [http://www.ub.unibas.ch/lib/index_prov.htm](http://www.ub.unibas.ch/lib/index_prov.htm)

**Contact:** <ursula.steinegger@unibas.ch>

**CIPACs offered:**

1. *Author/title catalogue –1939* (870,807 cards, many h/w; filing rules: PI-like)
3. *Academic publications catalogue –1980* (University calendars, reports, etc., filed by names of locations and institutions; 5,272 cards)

**Technical information:**

<table>
<thead>
<tr>
<th>Category</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total no. of card-images</td>
<td>1,556,751 (scanned at 300 dpi [1] and 200 dpi [2,3])</td>
</tr>
</tbody>
</table>
Appendix A

Image format: TIFF (b/w), visualized by Java applet technique
Manual input: Indexes (based on the headings of every 40th card)
CIPAC software: Chopin (Schneider / MikroUnivers, Germany)

Features for navigation / retrieval: See section 2.2.2, backward/forward: ±1/5/10/20 cards
Features for online ordering of books: Yes (the user can also select the desired collection point from a list)
Online help: Several help pages available (for each CIPAC help pages on catalogue contents and arrangement; technical information on browser configuration, printing, etc.)
Sources: WWW

Berne: Swiss National Library 2001
CIPAC web address: http://www.coris.ch/newbns/Allemand/menu.asp
Contact: <slb-bns@slb.admin.ch>
CIPACs offered:
(1) UDC subject catalogue –1990
(2) Geographic subject catalogue –1990
(3) Geographic subject catalogue/Maps –1990
(4) Persons subject catalogue –1990
Technical information:
Total no. of card-images: 1.4 million
Image format: GIF (b/w)
Manual input: Indexes (based on the tables and indexes of the UDC)
CIPAC software: GED Online (CORIS, Switzerland)

Features for navigation / retrieval: The user selects the desired search mode (by UDC hierarchies, UDC numbers, or subject headings), enters the search criteria (words, numbers) and decides on options such as truncation and Boolean AND (two subject headings, two UDC numbers, one heading + one number). The selected index (UDC numbers, subject headings) is then shown in the left frame, together with the number of hits for each entry. On clicking on one of these entries, the first corresponding card-image appears in the right frame, where users can browse all entries card by card (forward and backward), or by jumping to card "n" of the range retrieved.
Features for online ordering of books: None. Users must copy the call numbers found in this CIPAC and enter them in the Library's OPAC for ordering books from the stacks.
Online help: Several pages of help on the four catalogues and on navigation can be displayed in the left frame (in one sequence).
Sources: WWW

Berne: City and University Library 2000
CIPAC web address: http://edbessrv6.unibe.ch/de/index.htm
Contact: Assistant University Librarian <christian.luethi@stub.unibe.ch>
CIPAC offered: "Old" author/title catalogue –1989 (1,000,871 cards in 3,763 sheafs, many of them h/w; filing rules: PI) ("DIKAT")
Technical information:
Total no. of card-images: 1,000,871 (scanned off-site by MikroUnivers, Germany)
Image format: TIFF (b/w), visualized by Java applet technique
Manual input: Index (based on the tables and indexes of the UDC)
CIPAC software: Chopin (Schneider / MikroUnivers, Germany)

Features for navigation / retrieval: See section 2.2.2, backward/forward: ±1/10/50/100 cards
Features for online ordering of books: Yes (including choice of desired collection point from a list)
Online help: Several help pages available (contents and arrangement of the catalogue; technical information on browser configuration, printing, etc.)

Sources: Lüthi (2000); CLQ; WWW

Fig. A-2: Chopin at Berne – form for online ordering

[11] Luzerne: Central and University Library

CIPAC web address: http://zhbluzern.eurospider.ch/bernina/index.html
Contact: University Librarian <niederer@zhbluzern.ch>

CIPACs offered: "DIKAT"
(1) Author/title catalogue –1970 (filing rules: PI)
(2) Author/title catalogue 1971–1983 (filing rules: VSB⁶)
(3) Author/title catalogue of the Civic Library –1951 (mostly Helvetica; filing rules: PI)
(4) Subject catalogue –1983

Technical information:
Total no. of card-images: Approx. 867,000 (scanned by Cominformatic, Switzerland)
Image format: GIF (b/w)
OCR processing: Cominformatic (Switzerland)
CIPAC software: BerninaSpider (Eurospider Information Technology, Switzerland)
Features for navigation / retrieval: See section 2.2.4
Features for online ordering of books: None
Online help: Extensive help available (description of BerninaSpider features; contents and arrangement of each catalogue; technical information)
Sources: Niederer (1999); CLQ; WWW

[12] Luzerne: State Archives Library

CIPAC web address: http://staluzern.eurospider.ch/bernina/index.html
Contact: <archiv@staluzern.ch>

CIPACs offered:
(1) Author/title catalogue 1971– (filing rules: modified Swiss Rules)
(2) Subject catalogue 1970–

Technical information:
Total no. of card-images: Approx. 80,000 (scanned by Cominformatic, Switzerland)

⁶ Vereinigung Schweizerischer Bibliothekare, i.e. the former cataloguing rules of the Swiss Library Association.
Appendix A

Image format: GIF (b/w)
OCR processing: Cominformatic (Switzerland)
CIPAC software: BerninaSpider (Eurospider Information Technology, Switzerland)
Features for navigation / retrieval: See section 2.2.4
Features for online ordering of books: None (books for reference only)
Online help: Extensive help available (description of BerninaSpider features; contents and arrangement of each catalogue; technical information).
Sources: WWW

(13) Luzerne: Library of the Swiss Capuchine Order

CIPAC web address: http://kapuzinerbibliothek.eurospider.ch/bernina/index.html
Contact: n/a
CIPAC offered: Author/title catalogue 1500– (filing rules: LThK7)
Technical information:
Total no. of card-images: n/a
Image format: GIF (b/w)
OCR processing: n/a
CIPAC software: BerninaSpider (Eurospider Information Technology, Switzerland)
Features for navigation / retrieval: See section 2.2.4
Features for online ordering of books: None (books for reference only)
Online help: Extensive help available (description of BerninaSpider features; contents and arrangement of the catalogue; technical information)
Sources: WWW

(14) Zurich: Central Library (=Canton, City & University Library)

CIPAC web address: http://zbsearch.unizh.ch/bernina/
Contact: <zb@zb.unizh.ch>
CIPAC offered: Author/title Union Catalogue 1465–1989 (Central Library and 19 other Zurich libraries; 1.7 million documents; cards typewritten, printed and h/w; filing rules: Old Central Library Rules8)
Technical information:
Total no. of card-images: Approx. 2.2 million (scanned at 300 dpi by DMP, The Netherlands)
Image format: GIF (b/w)
OCR processing: DMP (The Netherlands)
CIPAC software: BerninaSpider (Eurospider Information Technology, Switzerland)
Features for navigation / retrieval: See section 2.2.4; extended version with parallel searching of the CIPAC and the Aleph 500 Swiss Union Catalogue
Features for online ordering of books: Only the holdings of the Central Library can be ordered from the full display of the catalogue cards. The user needs to identify the call number on the card and to copy it into an input field beneath the card display. After clicking an order-button the system transfers the request to the Library's Aleph 500 circulation system.
Online help: Extensive help available (description of BerninaSpider features; contents and arrangement of the catalogue; technical information)
Sources: Mittendorf, Schäuble & Sheridan (1995); Schäuble (1996); Schäuble & Sheridan (1996); Anon. (1997a; 1997b); Köstler & Schäuble (1998); WWW

7 LThK = Lexikon für Theologie und Kirche, Freiburg im Breisgau, 1930.
8 Similar to the Prussian Instructions
Czech Republic (CZE)

Appendix A

<table>
<thead>
<tr>
<th>Brno: Moravian Library</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CIPAC web address:</strong> <a href="http://katalog.mzk.cz/katalog/">http://katalog.mzk.cz/katalog/</a></td>
</tr>
<tr>
<td><strong>Contact:</strong> Deputy Director for Strategic Planning <a href="mailto:zabak@mzk.cz">zabak@mzk.cz</a></td>
</tr>
<tr>
<td><strong>CIPACs offered:</strong></td>
</tr>
<tr>
<td>(1) University Library – author/title catalogue –1950 (748,721 cards, many h/w)</td>
</tr>
<tr>
<td>(2) University Library – author/title catalogue 1951–1994 (1,198,293 cards)</td>
</tr>
<tr>
<td>(3) Pedagogical Library - author/title catalogue –1985 (322,954 cards)</td>
</tr>
<tr>
<td>(5) Technological Library - author/title catalogue –1950 (51,977 cards)</td>
</tr>
</tbody>
</table>

**Technical information:**
- **Total no. of card-images:** Approx. 2.67 million (scanned, in-house, at 300 dpi)
- **Image format:** GIF (b/w)
- **Manual input:** Indexes (based on the labels of the original drawers, each holding 1,000–1,500 cards, e.g. BRIN–BROL, BROM–BROŽE, BROŽI–BRUCH, ...)
- **CIPAC software:** Written in-house

**Features for navigation / retrieval:** On the selection of a letter (A–Z) the system presents the corresponding section of the list of the labels of the original card drawers (see above). The selection of one such label leads to a short display (cropped images) of every 100th card of the respective drawer, a further selection to the short display of every 10th card, and a final selection to the full display of 10 cards.

![Fig. A-3: Moravian Library – short view of every 10th card](image)

**Features for online ordering of books:** Registered users can order books through an online order form.

**Online help:** None

**Sources:** CLQ; WWW

<table>
<thead>
<tr>
<th>Prague: National Library of the Czech Republic</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Contact:</strong> Deputy Librarian (Library Management) <a href="mailto:bohdana.stoklasova@nkp.cz">bohdana.stoklasova@nkp.cz</a></td>
</tr>
</tbody>
</table>
CIPACs offered:

(1) General catalogue 1501–1950 (author/title catalogue; 1,871,306 cards, many h/w; filing rules: PI-like)
(2) General catalogue 1951–1995 (author/title catalogue; 1,515,278 cards)
(3) General catalogue –1995 (serials/monographic sets; 144,303 cards)
(4) Slavonic Library catalogue (647,061 cards)
(5) 19th Century Bibliography (union catalogue of Czech imprints; 97,161 cards)
(6) Music Division catalogue (printed music, arranged by composers' names; 93,859 cards)
(7) Library Science Library catalogue 1890–1989 (LIS materials; 11,910 cards)
(8) Catalogue of the former Russian Foreign History Archive (1923–1945; 38,629 cards)
(9) Documentation subject file (LIS journal articles, arranged by subjects; 59,572 cards)

Technical information:
Total no. of card-images: 4,479,079 (scanned by Comdat, Czech Republic)
Image format: TIFF (b/w), visualized by Java applet technique (ViewONE by Daeja Corp.)
Manual input: Indexes (based on the labels of the original catalogue racks (e.g. A–ANF, ANG–BNČ, ..., NEN–ORGANIS, ...) and the original catalogue drawers (e.g. NEN–NER, NES–NET, ...)
CIPAC software: Katif (Comdat, Czech Republic)

Features for navigation / retrieval: On the selection of a particular CIPAC a list of the labels of the original racks and, subsequently, the original drawers (see above) appears in the left browser frame. On the selection of a specific drawer a full image of the first catalogue card in this drawer is displayed in the main frame of the browser. There are flexible options for jumping forward/backward (next/last card, end/beginning of drawer, n cards backward/forward, jump to the nth card).

Features for online ordering of books: An online order form can be evoked from every full display. Online checking of the book's order status is also possible.

Online help: Brief information on the contents of each catalogue. Separate help pages are available on catalogue sorting rules and most frequently asked technical problems.

Note: Some records in the Library's Aleph 500 OPAC are also linked to card-images of these CIPACs (e.g. old serial holdings).

Sources: Stoklasova (1999); CLQ; WWW

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CIPACs offered:

(1) Author/title catalogue 1968–1990 (some cards h/w)
(2) Author/title catalogue –1968 (many cards h/w)
(3) Periodicals/Serials Catalogue –1990 (cards mainly h/w)

Technical information:
Total no. of card-images: Approx. 130,000 (scanned by Comdat, Czech Republic)
Image format: GIF (b/w)
Manual input: Mini-Indexes (based on the labels of the few original catalogue drawers)
CIPAC software: Written in-house

Features for navigation / retrieval: The selection of one of the letters A–Z leads to a full display of the first card filed in the first drawer under this letter (e.g. "A" → "A – Aja"). Backward/forward options: ±1/10/20/50/100 cards; ¼ – ½ – ¾ (of all cards filed in the drawer).

Features for online ordering of books: None

Online help: None (almost)

Sources: Sosna (1997); CLQ; WWW
CIPAC web address:  http://www.lib.cas.cz/knav/lk/
Contact:  <knavcr@lib.cas.cz>

CIPACs offered (39 catalogues):
(1)  General (author/title) catalogue – 1992
(2)  Catalogues and indexes of the Academy’s Institute Libraries (38 CIPACs)

Technical information:
Total no. of card-images:  n/a
Image format:  GIF (b/w)
Manual input:  Indexes (probably based on the labels of the original catalogue drawers and leader cards)
CIPAC software:  Written in-house(?)

Features for navigation / retrieval:
The selection of a letter (A–Z, e.g. "O") evokes a list of one/two-letter wordstems ("O-", "OB-", "OČ-", "OD-", ..., "OZ-"), and a further selection a list of guide words or wordstems (e.g. for "OB": OBECNA, OBER, OBĚŤ, ..., OBUT). A mouse-click on one of these leads to the full display of the first card of the selected range, together with a list of clickable numbers of the other cards within the selected range (001, 002, 003, ..., xxx).

Features for online ordering of books:  None
Online help:  None
Sources:  WWW

Germany (DEU)

CIPAC web address:  http://ipac.zlb.de/
Contact:  Project Manager <roensch@zlb.de>

CIPACs offered (13 catalogues):
(1)  Author/title catalogue – 1945 (189,072 cards, mostly h/w; filing rules: PI)
(2)  Author/title catalogue 1946–1974 (262,054 cards; filing rules: PI)
(3)  Author/title catalogue 1975–1994 (399,156 cards; filing rules: RAK10)
(4)  Classified catalogue 1945–1990 (1,191,762 cards)
(5)  Catalogues of the Music Library (5 CIPACs; 293,071 cards)
(6)  Catalogues of the Medical Library (3 CIPACs)
(7)  Catalogue of DIN standards

Technical information:
Total no. of card-images:  Approx. 2.5 million (scanned at 200 dpi, on-site, by MikroUnivers, Germany)
Image format:  GIF (b/w)
Manual input:  Indexes (based on the first 15 characters of the headings of every 200th card, or every 20th card in the case of the small catalogues). For the classified catalogues, indexes based on the class names were created, as well as subject headings indexes for the classes.
CIPAC software:  Chopin (Schneider / MikroUnivers, Germany).

Features for navigation / retrieval:
•  Author/title catalogues:  See section 2.2.2; backward/forward options: ±1/10/50 cards.
•  Classified catalogues:  After clicking through several hierarchical levels of classes and subclasses, or – alternatively – a keyword search of the subject headings associated with the
classes and sub-classes, all cards belonging to the final class are loaded and can be displayed one after the other.

- **DIN standards:** By DIN number and subject.

---

**Features for online ordering of books:** None

**Online help:** Only information on location codes available

**Sources:** Rönsch (1997; 1998); CLQ; WWW

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(20) Berlin: University Library, Freie Universität 2000

**CIPAC web address:** [http://ipac.ub.fu-berlin.de/de/index.htm](http://ipac.ub.fu-berlin.de/de/index.htm)

**Contact:** Project Manager <dbe@ub.fu-berlin.de>

**CIPAC offered:** Subject catalogue –1989 (refers to 730,000 books; Berlin cataloguing rules)

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**Technical information:**

- **Total no. of card-images:** 1,144,495 (scanned at 200 dpi, on-site, by MikroUnivers, Germany)
- **Image format:** TIFF (b/w)
Appendix A

Manual input: Index (based on the descriptors of the first chain of subject headings of the first card after every leader card of the original catalogue, i.e. every 60th card is indexed. This partial index of 18,000 entries is being enriched step by step).

CIPAC software: Chopin (Schneider / MikroUnivers, Germany)

Features for navigation / retrieval: See section 2.2.2; backward/forward: ±1/10/50/100 cards

Features for online ordering of books: The user needs to copy the call number and bibliographical details and paste them into the "ordering from stacks" form of the Library's Aleph 500 OPAC.

Online help: Extensive help available (information on the catalogue, its principles and filing rules, on the navigational features, and on technical aspects). The full display of a card-image includes an option for notifying the library of any problems with this image (e.g. legibility).

Sources: Braune-Egloff (2000); CLQ; WWW

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(21) Berlin: Senate Library

CIPAC web address: http://www.senatsbibliothek.de/

Contact: Librarian <direktion@senatsbibliothek.de>

CIPAC offered:
(1) Author/title catalogue –1995 (approx. 430,000 cards, partly h/w; filing rules: PI), integrated in the Library's VTLS OPAC
(2) Classified Catalogue –1995 (approx. 400,000 cards)

Technical information:
Total no. of card-images: Approx. 830,000 (scanned by EDS, Germany, and Saztec, Manila)
Image format: GIF (b/w)
OCR processing: EDS (Germany) / Saztec (Manila). Only the card-images of the author/title catalogue were OCR processed.

Manual input: In order to minimize OCR errors, the headings of all cards of the author/title catalogue, as well as the call numbers, were checked, corrected and transferred into the appropriate fields of the VTLS system; the rest of the text was transferred without corrections into one field. Furthermore, the complete subject index to the classified catalogue (20,000 cards) was keyed in and integrated in the Library's OPAC. The classification scheme was manually converted into a browse index for the CIPAC.

CIPAC software: Developed by EDS (Germany) / VTLS (USA)

Features for navigation / retrieval:
- Author/title catalogue: Authors and titles can be searched in the respective indexes of the VTLS OPAC; the full text can be searched – within the limits of OCR results – by keyword. A link for displaying the card-image is shown as part of full record display.
- Classified catalogue: After clicking through several hierarchical levels of classes and subclasses, all cards belonging to the final class (on average, 50–200 cards) are loaded and can be displayed one after the other. Backward/forward options: first/last card, ±1/10/100 cards.

Features for online ordering of books: None

Online help: OPAC: yes; CIPAC: no

Sources: Hauer (1997); Lux (1997); CLQ; WWW

---

(22) Berlin: Ibero American Institute (Prussian Cult. Heritage Foundation)

CIPAC web address: http://ak1.iai.spk-berlin.de/iai/de/index.htm

Contact: <info@iai.spk-berlin.de>

CIPAC offered: Author/title catalogue –1994 (partly h/w, filing rules: PI-like)

Technical information:
Total no. of card-images: 1,197,727 (scanned at 200 dpi)
Image format: TIFF (b/w)
Appendix A

Manual input: Indexes (based on the headings of every 50th card)
CIPAC software: Chopin (Schneider / MikroUnivers, Germany)

Features for navigation / retrieval: See section 2.2.2; backward/forward: ±1/5/20/100 cards
Features for online ordering of books: None
Online help: Relatively brief help page on the catalogue, its principles and how to navigate
Sources: WWW

<table>
<thead>
<tr>
<th>(23)</th>
<th>Dortmund: City and Regional Library</th>
<th>n/a</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIPAC web address:</td>
<td><a href="http://212.93.5.226/docuware/password.htm">http://212.93.5.226/docuware/password.htm</a></td>
<td></td>
</tr>
<tr>
<td>Contact:</td>
<td><a href="mailto:stlb@stadtdo.de">stlb@stadtdo.de</a></td>
<td></td>
</tr>
</tbody>
</table>

CIPACs offered:
(1) *Author/title catalogue –1982* (some cards h/w, filing rules: PI)
(2) *Personalities catalogue –1982* (biographies of personalities)
(3) *Biographical collections catalogue* (collections, compilations, handbooks; small catalogue)

Technical information:
Total no. of card-images: Approx. 400,000
Image format: JPEG (b/w)
Manual input: Indexes (based on the headings of every 20th card, i.e. 20,000 entries)
CIPAC software: DocuWare

Features for navigation / retrieval: After the user has typed in a search term (at least the first three characters of an author's surname or title word, plus a mandatory asterisk!), the system displays a list of matching index entries. Now the user needs to scroll to the end of the list in order to select a button ("display all pages of documents") before he/she may click on one of the index entries to see a full display of the corresponding card-image and the following ones. Backward/forward jumping: ±1, first/last of list, go to card "n" in display, go to entry "n" in index list.11

Features for online ordering of books: None
Online help: Extensive help pages on sorting rules and navigation available
Sources: WWW

<table>
<thead>
<tr>
<th>(24)</th>
<th>Dresden: Saxony State and Dresden University Library</th>
<th>2001</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIPAC web address:</td>
<td><a href="http://image.slub-dresden.de/de/index.htm">http://image.slub-dresden.de/de/index.htm</a></td>
<td></td>
</tr>
<tr>
<td>Contact:</td>
<td>Head, Descriptive Cataloguing <a href="mailto:my@slub-dresden.de">my@slub-dresden.de</a></td>
<td></td>
</tr>
</tbody>
</table>

CIPACs offered (11 catalogues):
(1) *Author/title catalogue of the former Saxony State Library 1885–1973* (sheaf catalogue, approx. 628,000 slips, partly h/w; filing rules: PI; 629,969 images)
(2) *Author/title catalogue of the former University Library –1959* (sheaf catalogue, approx. 49,900 slips, partly h/w, filing rules: PI; 49,943 images)
(3) *Author/title catalogue of the former University Library 1957–1973* (151,546 cards; filing rules: PI)
(6) *Catalogue of the Stenographic Collection –2000* (approx. 22,700 cards; 2 sections: authors / anonymous works; 22,725 images)

11 There is also a "download"-button which always produces an error message when clicked.
Appendix A

(8) **Classified catalogue of the former Saxony State Library** –1927 (shelf-list, approx. 720,000 cards, 660,267 images)

**Technical information:**
- Total no. of card-images: Approx. 1.9 million (scanned at 200 dpi, on-site [1,2] and off-site [3–8], by MikroUnivers, Germany)
- Image format: TIFF (b/w)
- Manual input: Indexes (based on data from every 50th card). For the classified catalogue, indexes based on the class names and descriptions were created.
- CIPAC software: *Chopin* (Schneider / MikroUnivers, Germany)

**Features for navigation / retrieval:**
- Author/title catalogues: See section 2.2.2; backward/forward options: ±1/5/10/20 cards.
- Classified catalogue: After clicking on the name of the desired main class in a list, all cards belonging to that class are loaded and can be displayed one after the other.12

**Features for online ordering of books:** Planned

**Online help:** For each catalogue, help is available on contents and arrangement. Additional help pages deal with navigation (briefly) and technical aspects.

**Sources:** Golsch & Simmich (1999); Meyer & Golsch (2001); CLQ; WWW

<table>
<thead>
<tr>
<th>Frankfurt: HeBIS Retro Union Catalogue (City and University Library)</th>
<th>2000</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CIPAC web address:</strong></td>
<td><a href="http://retro.hebis.de/">http://retro.hebis.de/</a></td>
</tr>
<tr>
<td><strong>Contact:</strong></td>
<td>University Librarian <a href="mailto:dugall@stub.uni-frankfurt.de">dugall@stub.uni-frankfurt.de</a></td>
</tr>
<tr>
<td><strong>CIPACs offered:</strong></td>
<td>The HeBIS-Retro Union Catalogue is a central catalogue for interlibrary loan of pre-1986/87 holdings of the eight largest libraries in the State of Hesse (Hessen). On the completion of the project (2002) it will comprise the following author/title card catalogues:13</td>
</tr>
<tr>
<td>(1) Senckenberg Library, Frankfurt: 1914–1985 (361,000 cards)</td>
<td></td>
</tr>
<tr>
<td>(2) Senckenberg Library: Theses, 1910–1985 (doctoral, in the sciences; 375,000 cards)</td>
<td></td>
</tr>
<tr>
<td>(3) Frankfurt City and University Library: –1985 (2,246,000 cards)</td>
<td></td>
</tr>
<tr>
<td>(4) Kassel University Library: –1986 (850,000 cards)</td>
<td></td>
</tr>
<tr>
<td>(5) Darmstadt State and University Library: 1500–1986 (1,200,000 cards)</td>
<td></td>
</tr>
<tr>
<td>(6) Giessen University Library: –1986 (1,150,000 cards)</td>
<td></td>
</tr>
<tr>
<td>(7) Fulda University and State Library: 1974–1995 (170,000 cards)</td>
<td></td>
</tr>
<tr>
<td>(8) Marburg University Library:1930–1986 (1,355,000 cards)</td>
<td></td>
</tr>
<tr>
<td>(9) Wiesbaden State and University Library: –1980 (sheaf catalogue; 625,000 slips)</td>
<td></td>
</tr>
</tbody>
</table>

**Technical information:**
- Total no. of card-images: 7.75 million (all catalogues scanned at 300 dpi, off-site, by SRZ Satz Rechenzentrum, Germany)
- Image format: GIF (b/w)
- OCR processing: SRZ (Germany) – all catalogues
- CIPAC software: *Verity* (SRZ, Germany)

**Features for navigation / retrieval:** Author (surname, first name), title, ISBN, and fulltext keyword searching; options: righthand truncation, Boolean operators, adjacency, search range selection (one/several/all catalogues), case matching, fuzzy searching. The result of a search is a ranked short title list (author, title, library); by clicking on a short title the corresponding card-image is presented in full view (backward/forward options: ±1/5/10/20/50 cards); if the same title is held by several libraries there are multiple displays (short and full).

**Features for online ordering of books:** When in full display mode, the user can click a button to order the book from the library shown in this full view. On the next screen he/she needs to copy the book's call number and volume number (only for multivolume works and serials) into a

---

12 A better solution is envisaged for the future.

13 CIPACs (8) and (9) were not yet available by 1/2/2002.
form and either order it from the local library (user ID and password required) or place an inter-library-loan order (user account with money deposit required). It is also possible to order photocopies of a certain range of pages from books and journals.

**Online help:** Very extensive help pages available (contents, arrangement, peculiarities of the each catalogue, lending regulations, how to navigate, search, refine the search, order, etc.)

**Sources:** Dugall (2001); CLQ; www

### (26) Göttingen: State and University Library

<table>
<thead>
<tr>
<th>CIPAC web address:</th>
<th><a href="http://www.sub.uni-goettingen.de/0_katneu.htm#SUB">http://www.sub.uni-goettingen.de/0_katneu.htm#SUB</a></th>
</tr>
</thead>
<tbody>
<tr>
<td>Contact:</td>
<td><a href="mailto:opacinfo@mail.sub.uni-goettingen.de">opacinfo@mail.sub.uni-goettingen.de</a></td>
</tr>
</tbody>
</table>

**Technical information:**
- Total no. of card-images: 1.5 million (scanned at 400 dpi b/w by a service bureau)
- Image format: GIF (b/w)
- OCR: No (only used for the elimination of duplicates)\(^{14}\)
- Manual input: Indexes (based on the headings of every 50\(^{th}\) card, and the first and last cards of every drawer)

**CIPAC software:** Developed by GBV Verbundzentrale (Germany)

**Features for navigation / retrieval:** When the user enters a search term, the system displays the corresponding section of the leader card index. The selection of an entry should lead to the full view of the card-image.\(^{15}\) Backward/forward options: ±1/12/24/48. The system can also display the search history and facilitates combining sets of hits by means of Boolean operators.

**Features for online ordering of books:** Although an "order" button is available, the users are advised to copy the call numbers and enter them in the Library's OPAC, in order to receive information on correct locations and the availability of individual volumes.

**Online help:** Brief help text on one page available

**Sources:** Buschey, Halle & Harms (2001); www

### (27) Greifswald: University Library

<table>
<thead>
<tr>
<th>CIPAC web address:</th>
<th><a href="http://bib.ub.uni-greifswald.de/cgi-bin/katalog/">http://bib.ub.uni-greifswald.de/cgi-bin/katalog/</a></th>
</tr>
</thead>
<tbody>
<tr>
<td>Contact:</td>
<td><a href="mailto:ub@uni-greifswald.de">ub@uni-greifswald.de</a></td>
</tr>
</tbody>
</table>
| **CIPACs offered:** | (1) **Author/title catalogue –1908** (397,160 cards, mainly h/w; filing rules: PI)  
(2) **Author/title catalogue 1909–1973** (542,574 cards, partly h/w, filing rules: PI)  
(3) **Author/title catalogue 1974–1992** (211,331 cards; filing rules: RAK) |

**Technical information:**
- Total no. of card-images: 1,145,065
- Image format: GIF (b/w)
- Manual input: Indexes (based on the headings of every 50\(^{th}\) card)

**CIPAC software:** Developed by GIBTEC (Germany)

**Features for navigation / retrieval:** On the selection of one of the three CIPACs, the headings index for this catalogue appears in the left frame; it can be navigated by means of a search field (when the user enters a word stem the index jumps to the corresponding section) and browse

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\(^{14}\) Originally, the catalogue contained more than 2.3 million cards of which approx. 813,000 were duplicates of records already in the Library's OPAC.

\(^{15}\) Due to a hacker attack in early 2002 the system was not able to display any cards in full view at the time of the author's tests (01–02/2002).
with a scrollbar. A mouse-click on a specific heading leads to the full display of the first card in the right browser frame. Backward/forward options: ±1/5/10/25 cards.

**Features for online ordering of books:** An order form which appears in the left frame can be evoked from the full image display. The user is required to key in his/her name, the call number of the book, and, in the case of serials, volume and year. The same form can also be used for ordering photocopies of a range of pages from a journal.

**Online help:** Help and FAQ pages on the contents of the catalogues, on navigation and on location codes available

**Sources:** WWW

---

**CIPAC**

**web address:** [http://zkat.bibliothek.uni-halle.de](http://zkat.bibliothek.uni-halle.de)

**Contact:** Project Manager <lutze@bibliothek.uni-halle.de>

**CIPACs offered:**

1. **Author/title catalogue –1929** (sheaf catalogue, 526,891 slips, mostly h/w, filing rules: PI)
2. **Author/title catalogue 1930–1974** (482,282 cards, filing rules: PI; 49,943 images)
8. **Subject catalogue 1945–1990** (513,187 cards)
9. **Classified catalogue –1961** (a book catalogue of approx. 90,000 h/w pages in 178 folio volumes, arranged by the 19th century "Hartwig" classification system)

**Technical information:**

- Total no. of card-images: Approx. 4.02 million (scanned at 300 dpi [1–8] and 400 dpi [9], offline, by MikroUnivers, Germany)
- Image format: TIFF (b/w); classified catalogue: JPEG (g/s)\(^{16}\)
- Manual input: Indexes (based on the headings of every 50th card and newly created subject headings leader cards). For the classified catalogue, an index based on the 9,000 class names was created.

**CIPAC software:** Chopin (Schneider / MikroUnivers, Germany)

**Features for navigation / retrieval:**

- Author/title catalogues: See section 2.2.2; backward/forward options: ±1/10/50/100 cards.
- Classified catalogue: See section 3.4.1; backward/forward options: ±1/10/20 pages, first or last page.

**Features for online ordering of books:** The full display of every card-image includes an "order"-button which, on mouse-click, opens a new browser window containing a form for ordering the book from the stacks. The user needs only to enter his/her personal data. The order feature is not available for the union catalogues (6,7). Classified catalogue: See section 3.4.1.

**Online help:** For each catalogue, help is available on contents and arrangement. Extensive help is provided for the classified catalogue. Additional help pages deal with location codes and technical aspects.

**Sources:** Schnelling (1998); Lutze, Schnelling & Worch (1999); Angelus, Eichhorn-Berndt & Schnelling (2000); CLQ; WWW

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**Hamburg: Institute of International Economics Library**

**web address:** [http://www.hwwa.de/Kataloge/HWWA_Kataloge/c_kataloge_hwwa_kataloge_01.html](http://www.hwwa.de/Kataloge/HWWA_Kataloge/c_kataloge_hwwa_kataloge_01.html)

\(^{16}\) greyscaled
**Contact:** Librarian <scherwath@hwwa.de>

**CIPACs offered:**
(1) *Author/title catalogue 1945–1987* (705,877 cards, incl. 300,000 entries on journal articles)
(2) *Subject catalogue 1945–1987* (approx. 2.1 million cards)
(3) *Personalities catalogue 1908–1995* (48,693 cards, referring to approx. 800,000 newspaper cuttings on public figures)

**Technical information:**
- **Total no. of card-images:** Approx. 2,855,000
- **Image format:** GIF (b/w)
- **Manual input:** Indexes (based on the headings of every 200th card). For the subject catalogue, all 20,000 subject headings were keyed in (in China).
- **CIPAC software:** *Chopin* (Schneider / MikroUnivers, Germany). The additional features for the subject catalogue were especially developed for the Library.

**Features for navigation / retrieval:**
- Author/title catalogue and Personalities catalogue: See section 2.2.2; backward/forward options: ±1/10/25/100 cards.
- Subject catalogue: Up to three search terms (subjects and/or geographic names which will be combined with AND) and the publication year (range from–to) may be entered.

**Features for online ordering of books:** When the user clicks on an "order"-button, he/she can choose between a form for the provision of the item in the Library's reading room, and one for ordering photocopies that will be sent to his/her address.

**Online help:** For each catalogue, a brief help text is presented on the respective search page.

**Sources:** CLQ; WWW

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**Fig. A-6: Chopin at Hamburg – Boolean searching of the headings index**

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(30) **Heidelberg: University Library** 1998

**CIPAC web address:** [http://www.ub.uni-heidelberg.de/Digikat/](http://www.ub.uni-heidelberg.de/Digikat/)

**Contact:** <ub@uni-hd.de>

**CIPAC offered:** "DigiKat"

*Author/title catalogue 1936–1985* (refers to approx. 800,000 documents; some partly with h/w corrections, filing rules: PI)

**Technical information:**
- **Total no. of card-images:** 1,219,929 (scanned at 240 dpi by GM Consult IT GmbH, Germany)
- **Image format:** GIF (b/w)
- **OCR processing:** Yes

---

17 (Pietzsch, 1998b) claims that Heidelberg was the first German university library that implemented a CIPAC.
Manual input: Index (based on the headings of all cards; this index was also permuted, in order to facilitate easier browsing of the "Prussian" headings)

CIPAC software: Developed in-house (by E. Pietzsch)

Features for navigation / retrieval:
- Headings index and Permuterm index: After the user has typed a search term, the system displays (in the left frame) the corresponding part of the headings index, indicates the best match and visualizes the card-image for this entry in the main browser frame. The index can be scrolled up and down, the cards can be browsed backward/forward (±1). The user can click on the image the user to get a larger version of the same picture.
- Keyword searching: Fulltext keyword searching (of the OCR processed data) was introduced in 2001. After the user has keyed in one or several search terms, the system first displays the card-images which represent an exact match (up to 10 per page), and subsequently – if the user clicks another button – also a ranked sequence of partial matches.
- Other features: For printing/downloading purposes, individual cards can be marked and moved into a virtual basket.

Features for online ordering of books: Introduced in 2001 (a button that comes up with each image links to the circulation component of the Library's OPAC).

Online help: Help is available on contents/arrangement of the catalogue, and on various navigational aspects.

Sources: Dörpinghaus (1998); Eberhardt (1998); Pietzsch (1998a; 1998b; 2001a; 2001b); CLQ; WWW

Fig. A-7: DigiKat (Heidelberg) – Top of ranked result list

| CIPAC web address: [http://www.uni-kiel.de/ub/gk/__index.html](http://www.uni-kiel.de/ub/gk/__index.html) |
| Contact: [auskunft@ub.uni-kiel.de](mailto:auskunft@ub.uni-kiel.de) |

CIPACs offered:
(1) Author catalogue of the decentral libraries –1993 (618,087 cards)
(2) Title catalogue of the decentral libraries –1993 (174,143 cards)

Technical information:

---

18 It seems that the scanned images were OCR processed twice – first by the same service bureau that scanned the catalogue (1998), and again by the Library's automation department when the probabilistic keyword retrieval component was implemented (2001).

19 Previously, the users had to copy the call numbers from the cards and re-type them into the OPAC’s ordering module.
Appendix A

Total no. of card-images: 792,230 (scanned by a local service bureau)
Image format: GIF (b/w)
Manual input: Indexes (based on the labels of the original catalogue racks (e.g. MUCHA, OPPENI, POES, RICH, ...) and the original catalogue drawers (e.g. POES, POLG, PONT, PORTM,...)
CIPAC software: n/a

Features for navigation / retrieval: On the selection of one of the two CIPACS a list of the labels of the racks and, subsequently, the original drawers (see above) appears in the left browser frame. On the selection of a specific drawer a full image of the first catalogue card in this drawer is displayed in the main frame of the browser. Backward/forward options: first/last card of drawer; ±1/10/50 or "n" cards ("n" can be keyed in by the user).

Features for online ordering of books: None

Online help: A general help sheet on the two catalogues and navigation is available.

Sources: Erdei (2001); WWW

<table>
<thead>
<tr>
<th>(32)</th>
<th>Kiel: Institute of World Economics Library</th>
<th>1999</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIPAC web address:</td>
<td><a href="http://ifw.dilib.de/de/index.htm">http://ifw.dilib.de/de/index.htm</a></td>
<td></td>
</tr>
<tr>
<td>Contact:</td>
<td><a href="mailto:h.schroeder@zbw.ifw-kiel.de">h.schroeder@zbw.ifw-kiel.de</a></td>
<td></td>
</tr>
<tr>
<td>CIPACs offered:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(1) Author catalogue –1985 (1,949,724 cards)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(2) Title catalogue –1985 (more than two authors/anonymous works, 509,206 cards)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(3) Name catalogue, corporate bodies –1985 (528,098 cards)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(4) Name catalogue, public institutions –1983 (345,963 cards)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(5) Classified catalogue (Shelf-list, 145,612 cards, two sides per image)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Technical information:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total no. of card-images:</td>
<td>3,478,603 (scanned at 200 dpi)</td>
<td></td>
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<tr>
<td>Image format:</td>
<td>TIFF</td>
<td></td>
</tr>
<tr>
<td>Manual input:</td>
<td>Indexes (based on the headings of every 50th card)</td>
<td></td>
</tr>
<tr>
<td>CIPAC software:</td>
<td>Chopin (Schneider / MikroUnivers, Germany)</td>
<td></td>
</tr>
<tr>
<td>Features for navigation / retrieval:</td>
<td>See section 2.2.2; backward/forward: ±1/10/50/100 cards</td>
<td></td>
</tr>
<tr>
<td>Features for online ordering of books:</td>
<td>When the user clicks on an &quot;order&quot;-button, he/she can choose between a form for the provision of the item in the Library's reading room, and one for ordering photocopies that will be sent to his/her address.</td>
<td></td>
</tr>
<tr>
<td>Online help:</td>
<td>Brief help texts for each catalogue, plus Chopin help page on technical aspects.</td>
<td></td>
</tr>
<tr>
<td>Sources:</td>
<td>CLQ; WWW</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>(33)</th>
<th>Leipzig: University Library</th>
<th>2001</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIPAC web address:</td>
<td><a href="http://139.18.24.18/de/Index.htm">http://139.18.24.18/de/Index.htm</a></td>
<td></td>
</tr>
<tr>
<td>Contact:</td>
<td>University Librarian <a href="mailto:henschke@ub-leipzig.de">henschke@ub-leipzig.de</a></td>
<td></td>
</tr>
<tr>
<td>CIPACs offered (5 catalogues):</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(1) Classified catalogue 1501–1939 (book catalogue; 117,257 pages in 301 h/w folio volumes, arranged by a 19th century classification system)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(2) Author/title catalogue 1930–1975 (834,170 cards, filing rules: PI)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(3) Catalogues of the former Church College (3 catalogues, 139,683 cards)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Technical information:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total no. of card-images:</td>
<td>1,091,110 (scanned at 200 dpi)</td>
<td></td>
</tr>
<tr>
<td>Image format:</td>
<td>TIFF (b/w); classified catalogue: JPEG (g/s)</td>
<td></td>
</tr>
<tr>
<td>Manual input:</td>
<td>Index (based on the headings of every 50th card)</td>
<td></td>
</tr>
<tr>
<td>CIPAC software:</td>
<td>Chopin (Schneider / MikroUnivers, Germany)</td>
<td></td>
</tr>
</tbody>
</table>

20 Possibly a provisional address (software vendor's server)
Features for navigation / retrieval:
- Classified catalogue: See section 3.4.1; backward/forward options: ±1/10/50 pages, first or last page
- Author/title catalogue: See section 2.2.2; backward/forward options: ±1/5/20/100 cards

Features for online ordering of books: The full display of every image is accompanied by an "order"-button. On mouse-click, this button opens a new browser window showing a form for ordering the book from the stacks. Classified catalogue: See section 3.4.1.

Online help: Extensive help available (contents and arrangement of the catalogues; navigation and online ordering of books; technical information)

Sources: www

<table>
<thead>
<tr>
<th>(34)</th>
<th>Magdeburg: University Library</th>
<th>1999</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIPAC web address:</td>
<td><a href="http://zkat.bibliothek.uni-halle.de/md-kat/">http://zkat.bibliothek.uni-halle.de/md-kat/</a></td>
<td></td>
</tr>
<tr>
<td>Contact:</td>
<td>Project Manager <a href="mailto:lutze@bibliothek.uni-halle.de">lutze@bibliothek.uni-halle.de</a></td>
<td></td>
</tr>
<tr>
<td>CIPAC offered:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(1) Author/title catalogue 1953–1987 (273,536 cards, filing rules: RAK)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(2) Author/title catalogue of the Humanities Faculty Library 1954-1991 (100,470 cards, filing rules: RAK)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Technical information:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total no. of card-images:</td>
<td>374,006 (scanned at 300 dpi, off-site, by MikroUnivers, Germany)</td>
<td></td>
</tr>
<tr>
<td>Image format:</td>
<td>TIFF (b/w)</td>
<td></td>
</tr>
<tr>
<td>Manual input:</td>
<td>Indexes (based on the headings of every 50th card)</td>
<td></td>
</tr>
<tr>
<td>CIPAC software:</td>
<td>Chopin (Schneider / MikroUnivers, Germany)</td>
<td></td>
</tr>
<tr>
<td>Features for navigation / retrieval:</td>
<td>See section 2.2.2; backward/forward: ±1/10/25/100 cards</td>
<td></td>
</tr>
<tr>
<td>Features for online ordering of books:</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Online help:</td>
<td>Only one page available</td>
<td></td>
</tr>
<tr>
<td>Note:</td>
<td>This CIPAC implementation was part of the project conducted at Halle (no. 28)</td>
<td></td>
</tr>
<tr>
<td>Sources:</td>
<td>www</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>(35)</th>
<th>Munich: Bavarian State Library</th>
<th>1997</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIPAC web address:</td>
<td><a href="http://www.bsb-muenchen.de/opac.htm">http://www.bsb-muenchen.de/opac.htm</a></td>
<td></td>
</tr>
<tr>
<td>Contact:</td>
<td><a href="mailto:webmaster@bsb-muenchen.de">webmaster@bsb-muenchen.de</a></td>
<td></td>
</tr>
<tr>
<td>CIPAC offered:</td>
<td>Author/title catalogue 1953–1981 (refers to 1.6 million books, filing rules: Old Munich Rules\textsuperscript{21})</td>
<td></td>
</tr>
<tr>
<td>Technical information:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total no. of card-images:</td>
<td>Approx. 2,127,000 (scanned at 300 dpi, off-site, by SRZ Satz Rechenzentrum, Germany)</td>
<td></td>
</tr>
<tr>
<td>Image format:</td>
<td>TIFF (b/w)</td>
<td></td>
</tr>
<tr>
<td>Manual input:</td>
<td>Index (based on the labels of the 2,495 catalogue drawers, and – as the catalogue was also re-keyed\textsuperscript{22} – 21,000 &quot;leader cards&quot; which were mechanically generated after approx. every 100\textsuperscript{th} card)</td>
<td></td>
</tr>
<tr>
<td>CIPAC software:</td>
<td>JOPAC (SISIS, Germany)</td>
<td></td>
</tr>
</tbody>
</table>

\textsuperscript{21} Similar to the Prussian Instructions

\textsuperscript{22} There were several reasons for this parallelism as the Library (1) wanted to overcome the limitations for retrieval that were inherent to the old (grammatical) cataloguing rules; (2) intended to integrate the catalogue into the automated circulation system; (3) was striving for a permanent solution (no interim conversion).
Features for navigation / retrieval: The CIPAC is presented as a module of the Library's general OPAC. When the user clicks on a "catalogue drawer" icon, the top of the alphabetic leader card index presented. It is possible to navigate by either clicking on a letter-button (A–Z), or by typing a search term which positions the index to the matching section. A double-click on one of the index entries leads to the display of the first corresponding card-image in full format. Backward/forward options: ±1/10/25/50/100 (adjustable). Alternatively, the user can search the "normal" OPAC and – in case the full display of a hit contains a "view card" button – request the card-image to be visualized.

Features for online ordering of books: None (only via the "normal" OPAC)

Online help: Brief help on navigation is available

Sources: Fabian (1997); Haller (1997); Fabian & Haller (1998); WWW

CIPAC web address: http://scout.ub.uni-potsdam.de/scans/suche.htm
Contact: <webteam@info.ub.uni-potsdam.de>

Spain (ESP)

CIPAC web address: http://www.gencat.es/bc/4_catale/set4_1.htm
Contact: <wmaster@bnc.es>

CIPAC software: Developed by VTLS (USA)
Features for navigation / retrieval: The selection of a letter (A–Z) leads to the display of the index (see above) for this letter. A mouse-click on one of the entries evokes the full display of the first card filed under this heading. Backward/forward options: first/last card; ±1/5 cards; jump to card no. “x”.

Features for online ordering of books: None

Online help: For each of the catalogues, a separate help sheet is available on contents and filing sequence.

Sources: WWW

France (FRA)

<table>
<thead>
<tr>
<th>(38)</th>
<th>Paris: Interuniversity Medical Library</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIPAC web address:</td>
<td><a href="http://www.bium.univ-paris5.fr/">http://www.bium.univ-paris5.fr/</a></td>
</tr>
<tr>
<td>Contact:</td>
<td><a href="mailto:biumhist@bium.univ-paris5.fr">biumhist@bium.univ-paris5.fr</a></td>
</tr>
<tr>
<td>CIPAC offered:</td>
<td>Author/title catalogue 1477-1952 (many cards h/w)</td>
</tr>
</tbody>
</table>

Technical information:
Total no. of card-images: Approx. 338,000
Image format: JPEG (b/w)
Manual input: Indexes (author/title, publication year, series volume no.)
CIPAC software: Written in-house (by D. Roberge)

Features for navigation / retrieval: The interface offers four fields for searching: Last name of author (mandatory, minimum = three characters; in case of anonymous works: title), first name of author, year, series volume no. All input is automatically truncated. The result of a search is a list of headings (author/title and year, ten headings per page). On clicking on one of these headings the corresponding card-image appears in the right browser frame.

Features for online ordering of books: None

Online help: Brief help text on navigation available on main CIPAC page only

Sources: WWW
United Kingdom (GBR)

(39) Edinburgh: University Library

CIPAC web address:  http://datalib.ed.ac.uk/projects/scimss/
Contact:  Director of Collections <richard.ovenden@ed.ac.uk>
CIPACs offered:  "SCIMMS"
(1)  Special Collections Index of manuscripts  (54,000 slips in 180 binders, varied type-
       script/print)
(2)  Tovey Collection  (no information given on size, contents, etc.)
Technical information:
Total no. of card-images:  54,000(?)
Image format:  GIF (b/w)
OCR processing:  Yes (but only two of four SCIMSS composite fields of information: name
       reference, pressmark)
Manual input:  To supplement OCR processing.
CIPAC software:  Written in-house
Features for navigation / retrieval:  Keyword searching by the OCR'ed fields (SCIMSS)
Features for online ordering of books:  None
Online help:  None
Sources:  WWW

(40) London: British Library of Political & Economic Science (LSE)

CIPAC web address:  http://cardcat.lse.ac.uk/
Contact:  Technical Services Manager <g.price@lse.ac.uk>
CIPACs offered:
(1)  Author/title catalogue –1979  (approx. 780,000 cards)
(2)  Theses index –1979  (LSE doctoral theses; 3,151 cards)
Technical information:
Total no. of card-images:  Approx. 780,000 (scanned by Bell+Howell, UK)
Image format:  PNG (b/w)
OCR processing:  No (all records are being converted by re-keying or by downloading records
       from external databases; completion expected by 2003)
Manual input:  Index (based on the labels of the 780 original catalogue drawers, each holding
       approx. 1,000 cards, e.g. NOX to NZ, O to OB, OC to OSTERREICHISCHE A, ...)
CIPAC software:  Written in-house
Features for navigation / retrieval:
•  Author/title catalogue:  See section 2.2.3
•  Theses index:  Clicking on "A–G", "H–N", or "O–Z" evokes the display of the first 10
       cropped cards of the selected author range (then as above).
Features for online ordering of books:  None
Online help:  Extensive (how to search the catalogue; contents and arrangement of the cata-
       logue)
Sources:  Price (2000); CLQ; WWW

(41) London: University of London Library

CIPAC web address:  http://cardss.ull.ac.uk/
Contact:  Head, Special Collections Cataloguing & Projects <mblackburn@ull.ac.uk>
CIPAC offered:  Main author/title catalogue –1979  (filing sequence: British Museum rules)
Technical information:
Total no. of card-images: Approx. 540,000 (scanned off-site by Bell+Howell, UK)
Image format: GIF (b/w)
Manual input: Index (based on the labels of the original catalogue drawers, e.g. PLINV to POCO, POCQ to POLD, POLE to POLYA, ...)
CIPAC software: London School of Economics (see no. 40 above)

Fig. A-9: Univ. of London – full display of card in separate window

Features for navigation / retrieval: See section 2.2.3
Features for online ordering of books: Clicking on a "request this item" button (full card display) evokes an order form; the user needs only to fill in his/her name and email address, and to indicate whether or not a library member.
Online help: Not yet available (02/2002)
Sources: CLQ; www

Italy (ITA)

(42) | Bologna: Archiginnasio Library | 1999(?)
CIPAC web address: http://ba.comune.bologna.it/
Contact: <archiginnasio@comune.bologna.it>
CIPACs offered: Old catalogue –1960 ("Catalogo Frati-Sorbelli"; a sheaf catalogue of approx. 600,000 slips, mostly h/w, in four sections:)
(1) Author/title catalogue
(2) Subject catalogue
(3) Biographical catalogue
(4) Geographic catalogue
Technical information:
Total no. of card-images: Approx. 1.3 million (scanned, front and back of all slips, by CRC [Centro Regionale per il Catalogo e la Documentazione], Italy)
Image format: PNG (b/w)
Manual input: Indexes (based on the headings of all slips)
CIPAC software: Highway (CRC, Italy)
Features for navigation / retrieval: The index of each CIPAC can be searched by keywords, using right-hand truncation, character masking, and Boolean operators. Alternatively, the index
can be browsed alphabetically: The system displays the index starting at the search term that the user has typed, and also shows the frequency of hits. Several cards can then be displayed in full view on one page; there are buttons for viewing either the back of each card, or front/back on one page. A mouse-click on a card-image brings up a new browser window showing an enlarged version of that card.

**Features for online ordering of books:** None

**Online help:** Detailed help on the catalogue and on navigation available. There are also short context-sensitive help texts available on each search/browse screen.

**Sources:** Lunati (2001); www

---

(F43) Florence: Marucelliana Library

CIPAC web address: [http://www.maru.firenze.sbn.it/PG3.htm](http://www.maru.firenze.sbn.it/PG3.htm)

Contact: <marucelliana@unifi.it>

CIPACs offered (8 catalogues):

1. **Author/title catalogue – 1925** (book catalogue, h/w, approx. 15,000 entries)
2. **Author/title catalogue 1926–1993** (approx. 320,000 cards)
3. **Subject catalogues – 1925** (2 small catalogues: general subjects / arts; approx 1,000 cards)
4. **Subject catalogue 1926–1993** (approx. 25,000 cards)
5. **Serials catalogue – 1993** (approx. 8,000 cards)
6. **Portraits catalogue 1926–1980** (personalities depicted in books, approx. 9,000 entries)
7. **Printed music catalogue 1926–1970** (approx. 25,000 cards)

**Technical information:**

* Total no. of card-images: Approx. 557,000
* Image format: TIFF (b/w), plug-in required

* Manual input: Indexes (based on the labels of "virtual drawers" – probably the labels of the original catalogue drawers, e.g. "pontieri – porcaro", or "sot – swe")
* CIPAC software: Developed by AdActa srl (Italy)

---

Fig. A-10: Marucelliana Library – display of the 1st card of a virtual drawer

**Features for navigation / retrieval:** When the user enters a term in a search box (left frame), the software selects the matching drawer and displays, in the main frame of the browser, a full image of the first catalogue card in this range (e.g. the search term "popper" displays the first card). According to Lunati (2001, p. 19) and also to the author's personal experience, this plug-in, Alternatiff, comes into conflict with Quicktime, a plug-in often required on the WWW and therefore installed on many PCs; it is not Mac-compatible either.
card of the drawer labeled "pontieri – porcaro"). The number of cards in the drawer and position of the visualized card are also shown. Backward/forward options: ±1/10 cards, first/middle/last card, last/next drawer.

Features for online ordering of books: None
Online help: Extensive help available on catalogue contents and navigation
Sources: Lunati (2001); WWW

<table>
<thead>
<tr>
<th>Florence: Uffizi Gallery Library</th>
<th>2000</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIPAC web address:</td>
<td><a href="http://www.amanuense.it/UffiziSite/carocci/index.asp">http://www.amanuense.it/UffiziSite/carocci/index.asp</a></td>
</tr>
<tr>
<td>Contact:</td>
<td><a href="mailto:info@amanuense.it">info@amanuense.it</a></td>
</tr>
<tr>
<td>CIPAC offered:</td>
<td>Fondo Carocci (an archival documentation on artists, art, architecture, families, local history and culture of Florence and Tuscany, created around 1900; 42,867 h/w slips in 51 cassettes)</td>
</tr>
<tr>
<td>Technical information:</td>
<td></td>
</tr>
<tr>
<td>Total no. of card-images:</td>
<td>Approx. 86,000 (scanned, front and back of all slips, by Softeam Ware, Italy)</td>
</tr>
<tr>
<td>Image format:</td>
<td>JPEG (colour), visualized by Java applet technique (NetVue by AccuSoft Corp.)</td>
</tr>
<tr>
<td>Manual input:</td>
<td>_indexes (number and name of cassette, subjects of each side of all slips)</td>
</tr>
<tr>
<td>CIPAC software:</td>
<td>Developed by Softeam Ware (Italy)</td>
</tr>
<tr>
<td>Features for navigation / retrieval:</td>
<td>After the user has keyed in a search term, the system displays a list of hits, i.e. sides of slips (name and number of the cassette where each slip is stored, as well as slip number and side). Alternatively, both the cassette and the subject index can be browsed. A mouse-click on a particular hit starts a java applet that visualizes the desired image; the user can now scroll up and down, rotate, zoom in/out etc., and even request an enlarged view in a separate browser window.</td>
</tr>
<tr>
<td>Features for online ordering of books:</td>
<td>None</td>
</tr>
<tr>
<td>Online help:</td>
<td>Only brief information on the catalogue and help on the java applet available</td>
</tr>
<tr>
<td>Sources:</td>
<td>Lunati (2001); WWW</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Rome: Alessandrina University Library</th>
<th>n/a</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIPAC web address:</td>
<td><a href="http://151.100.118.10/bua/db">http://151.100.118.10/bua/db</a></td>
</tr>
<tr>
<td>Contact:</td>
<td><a href="mailto:alessandrina@library.beniculturali.it">alessandrina@library.beniculturali.it</a></td>
</tr>
<tr>
<td>CIPACs offered:</td>
<td>Subject catalogue –1958 (mostly h/w, in three sections:)</td>
</tr>
<tr>
<td>(1) Law</td>
<td></td>
</tr>
<tr>
<td>(2) Humanities</td>
<td></td>
</tr>
<tr>
<td>(3) Science (not yet available online)</td>
<td></td>
</tr>
<tr>
<td>Technical information:</td>
<td></td>
</tr>
<tr>
<td>Total no. of card-images:</td>
<td>n/a (two sides per image)</td>
</tr>
<tr>
<td>Image format:</td>
<td>JPEG (b/w)</td>
</tr>
<tr>
<td>Manual input:</td>
<td>Indexes (based on the subject headings of all cards)</td>
</tr>
<tr>
<td>CIPAC software:</td>
<td>Developed by CASPUR (an inter-university computing consortium, Italy)</td>
</tr>
<tr>
<td>Features for navigation / retrieval:</td>
<td>After the user has typed a search term, the system displays the list of all subject headings in which this term occurs, together with the corresponding card-image numbers. A mouse-click on a particular number brings up the image of both the front and the back side of the corresponding card.</td>
</tr>
<tr>
<td>Features for online ordering of books:</td>
<td>None</td>
</tr>
<tr>
<td>Online help:</td>
<td>None</td>
</tr>
<tr>
<td>Sources:</td>
<td>Lunati (2001); WWW</td>
</tr>
</tbody>
</table>
Appendix A

Trieste: University Library

CIPAC web address: [http://erl.univ.trieste.it/cgi-bin/catalogo/schedatif?](http://erl.univ.trieste.it/cgi-bin/catalogo/schedatif?)
Contact: Project Manager <romano@sslmit.univ.trieste.it>
CIPAC offered: Author/title catalogue 1993

Technical information:
- Total no. of card-images: 1,334,771
- Image format: TIFF (b/w)
- Manual input: None
- CIPAC software: n/a

Features for navigation/retrieval: On the selection of a letter (A–Z) the system visualizes the full image of the card that lies in the middle of the alphabetical range of cards filed under this letter. The user decides to which part his search term belongs and clicks either "prima" (first section) or "dopo" (second section); this can be repeated until no more cards are between the one that is shown and the preceeding/following ones; alternatively, the user can browse backward/forward (1 card only).

Features for online ordering of books: None

Online help: Help available on catalogue arrangement and navigation

Sources: Lunati (2001); WWW

---

Vilnius: National Library of Lithuania

CIPAC web address: [http://www.lnb.lt/catalogs_e.html](http://www.lnb.lt/catalogs_e.html)
Contact: Project Manager <silva@lnb.lrs.lt>
CIPACs offered (11 catalogues): 
1. Author/title catalogues 1998 (3 CIPACs: books in Lithuanian [approx. 184,000 cards], Russian [1,689,200], other languages [896,500]; many cards contain text in cyrillic letters and/or h/w additions)
2. National bibliographic publications (2 CIPACs)
3. Printed music catalogues (3 CIPACs)
4. Gramophone records catalogues (3 CIPACs)

Technical information:
- Total no. of card-images: Approx. 2.5 million (both sides of the cards scanned)
### Poland (POL)

<table>
<thead>
<tr>
<th>Catalog</th>
<th>Description</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cracow: Jagiellonian University Library</td>
<td>Author/title catalogue –1949 (approx. 1.2 million cards, many h/w)</td>
<td>2000</td>
</tr>
</tbody>
</table>

**Technical information:**
- Total no. of card-images: Approx. 600,000 (50% of all cards; scanned at 300 dpi)
- Image format: JPEG (b/w)
- Manual input: Indexes (based on the original drawer labels)
- CIPAC software: Developed by F.U.P. "DjaF" (Poland)

**Features for navigation / retrieval:**
- Selection of a drawer label from an alphabetical list.
- Backward/forward options: first/last card in drawer, ±1 card, go to drawer "n", go to card "n".

**Features for online ordering of books:** None

**Online help:** Only help on catalogue contents, character set and sorting rules available.

**Sources:** WWW

### United States (USA)

<table>
<thead>
<tr>
<th>Catalog</th>
<th>Description</th>
<th>Year</th>
</tr>
</thead>
</table>

**Technical information:**
- Total no. of card-images: Approx. 6 million (scanned at 300 dpi [scaled to 150 dpi for viewing], on-site, by student helpers)
- Image format: GIF (b/w)
- Manual input: Index (based on the headings of – mostly – every 200th card, which were converted into new guide cards, approx. 65,000 entries)
- CIPAC software: VTLS (USA)

---

24 Not in operation at the time of the author's tests (01-02/2002).
Features for navigation / retrieval: After the user has typed a term in a search box, the system displays the index of leader cards, asterisking the card which is closest to the search string. The user can browse the index backward/forward, or click on a particular entry in order to view a display of up to six cropped card-images per page (the system loads all cards filed before the next leader card and lets the user browse their cropped images in batches of six). A mouse-click on a cropped image leads to the full display of this card. Backward/forward options: ±1, jump to card "n". The size of the card-images can be varied by entering a decimal number (e.g. ".8" or ".1.2")

Features for online ordering of books: None

Online help: Only brief contextual information navigation; separate pages on filing rules and locations/call numbers

Note: In January, 2001, the Library announced on its web-pages a new version of its main OPAC that would also include all records previously housed in Princeton's card catalogues, and the withdrawal of the "Supplementary Catalog" in the near future. Nevertheless, in February, 2002, the CIPAC was still available.

Sources: Henthorne (1995); WWW

<table>
<thead>
<tr>
<th>Richmond, VA: Library of Virginia</th>
<th>1996</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIPAC web address:</td>
<td><a href="http://lvaimage.lib.va.us/collections/index.html">http://lvaimage.lib.va.us/collections/index.html</a></td>
</tr>
<tr>
<td>Contact: Systems Librarian</td>
<td><a href="mailto:eroderick@lva.lib.va.us">eroderick@lva.lib.va.us</a></td>
</tr>
</tbody>
</table>

CIPACs offered (47 catalogues and indexes):
(1) Archival & library collections (biographical, business records, genealogical, land records, maps/geographical, military records, personal papers; 40 CIPACs)
(2) Newspaper & periodical indexes (7 CIPACs)

Technical information:
Total no. of card-images: Approx. 1.4 million
Image format: JPEG (b/w)
Manual input: Indexes (based on various types of leader cards, mostly representing 100–150 cards each, some fairly simple [e.g. "A–E", "F–M", "N–Z"], others more detailed [e.g. "Adams–Ayer", "Baker–Barber", ...].
CIPAC software: VTLS (USA)

Features for navigation / retrieval: After the user has selected a particular collection (CIPAC) to be searched, the system displays the index of leader cards for this catalogue. A click on one of these index points retrieves the first card-image (full view) in the corresponding set. Backward/forward options: ±1/5 cards, first/last card, go to card "n". In the case of some (archival) collections, images of full-text documents may be retrieved/downloaded by clicking on a button that is shown together with the card-images.

Features for online ordering of books: None

Online help: For each CIPAC, a separate page on the filing order of cards, the characteristics of the collection, and on access to the materials is available.

Sources: WWW

Addendum: Past, future, demo & in-house CIPACs

- Future CIPACs:
- Bochum University Library (Germany): Announced that both their catalogue of departmental holdings and their theses catalogue are being scanned and will be made
available as CIPACs from April 2002 on, so that "the whole of the university's library holdings will be searchable on the Internet."\textsuperscript{25}

\begin{itemize}
  \item \textit{Federal Maritime and Hydrographic Agency of Germany} (Hamburg): Has made available four card-image catalogues available on an in-house network.\textsuperscript{26} However, the Library's intention to offer these catalogues over the WWW has not been realized so far.
  \item \textit{Marburg University Library} (Germany): Announced that three CIPACs will be released in Spring 2002.\textsuperscript{27}
\end{itemize}

\begin{itemize}
  \item \textbf{On CD-ROM network:}
    \begin{itemize}
      \item \textit{Slovenian National and University Library}: Old card catalogue.\textsuperscript{28} This system features high-quality colour images in a virtual drawer system but is not intended to be used as public catalogue, mainly because all cards have also been entered into the Library's OPAC. The card-image catalogue serves primarily for research purposes and as a preservational surrogate for the old catalogue which is seen as part of the country's cultural heritage (Žumer, 1999).
      \item \textit{Demo CIPAC:}
        \begin{itemize}
          \item \textit{Florence Central National Library}: This CIPAC of colour images is still in its infancy. A demo version which is available on the WWW\textsuperscript{29} shows that this library not only intends to index all cards\textsuperscript{30} and to group them by leader cards, but also to introduce features such as searching by author, title, keyword and publication year.
        \end{itemize}
    \end{itemize}

\begin{itemize}
  \item \textbf{Former CIPACs:}
    \begin{itemize}
      \item Only the first two CIPACs of the Austrian National Library have been withdrawn so far.\textsuperscript{31} However, as mentioned above, the large Princeton CIPAC will probably also become history soon, and others might follow as time goes by.
    \end{itemize}
\end{itemize}

\textsuperscript{25} http://www.ub.ruhr-uni-bochum.de/Informationen/rubkataloge.htm [accessed 10/02/2002]. At the time of writing, no details of this project were available.

\textsuperscript{26} Approx. 350,000 cards, including a dictionary catalogue (1934–1960) and three author/title, subject and geographic locations catalogues (1961–1992); the system used is \textit{Chopin}.

\textsuperscript{27} http://www.ub.uni-marburg.de/cat/scanhilfe.html [accessed 10/05/2002].

\textsuperscript{28} Approx. 95,000 cards, partly h/w (1774–1947)

\textsuperscript{29} http://www.bncf.firenze.sbn.it/progetti/palatino/home.htm

\textsuperscript{30} \textit{Author/title catalogue of the Palatina Library} (225,000 bibliographic records relating to 16\textsuperscript{th}–19\textsuperscript{th} century books, mostly h/w)

\textsuperscript{31} See the case study in Appendix B4.
### Appendix A2: Tabular comparison of fifty CIPACs

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2) book catalogue only
3) planned
4) author/title catalogue only
5) text of browse index only
6) classified catalogue only

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