“The great libraries of the West understand that they can no longer compete against each other as to who can warehouse the most treasures...

Increasingly (and encouragingly), they agree that stewardship must be joint, cross-unit, and complementary...”

Lisbet Rausing, “Toward a New Alexandria: Imagining the Future of Libraries”
The New Republic, March 12, 2010, p.3.
Over 1.2 BILLION Volumes in Academic Libraries in the English-speaking World

USA
UK
Canada
Australia
NZ
Ireland

Academic Library Volumes

0
200,000,000
400,000,000
600,000,000
800,000,000
1,000,000,000
1,200,000,000

USA
UK
Canada
Australia
NZ
Ireland

The Center for Research Libraries
GLOBAL RESOURCES NETWORK
A Growing Trend Around the World

Library storage facility: a separate building purpose-built for long-term storage of very large quantities of library materials

80+ library storage facilities, most built in the last 15 years
Shared Print Archive Initiatives in North America

Potential De Facto Archives

- BUILT
  - By Domain
  - By Publisher

De facto = Stored materials covered by explicit archiving agreement

Built = Proactively created by selection and consolidation

U of California
Orbis Cascade
Five Colls MA
PALCI
GWLA
TRLN
WNCLN

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GLOBAL RESOURCES NETWORK
### Characteristics of Print Archives

<table>
<thead>
<tr>
<th>Section</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Formal retention and service agreement</td>
<td></td>
</tr>
<tr>
<td>Selection criteria (varies)</td>
<td></td>
</tr>
<tr>
<td>• Retrospective or prospective</td>
<td></td>
</tr>
<tr>
<td>• By publisher (JSTOR, ACS, IEEE, AIP)</td>
<td></td>
</tr>
<tr>
<td>• By domain (USAIN, LLMC)</td>
<td></td>
</tr>
<tr>
<td>• By format (Journals, government docs)</td>
<td></td>
</tr>
<tr>
<td>• Library-nominated</td>
<td></td>
</tr>
<tr>
<td>Validation (varies)</td>
<td></td>
</tr>
<tr>
<td>• To volume or issue or page</td>
<td></td>
</tr>
<tr>
<td>• None</td>
<td></td>
</tr>
<tr>
<td>Archive location</td>
<td></td>
</tr>
<tr>
<td>• Centralized, possibly storage facility</td>
<td></td>
</tr>
<tr>
<td>• Distributed, library-based</td>
<td></td>
</tr>
</tbody>
</table>
## Most Current Initiatives Are Retrospective Built Journal Archives

<table>
<thead>
<tr>
<th>Selection</th>
<th>Consortium</th>
<th>Status</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>By Publisher</td>
<td>CRL</td>
<td>Operational</td>
<td>JSTOR</td>
</tr>
<tr>
<td>By Publisher</td>
<td>ASERL</td>
<td>Planning</td>
<td>TBD spring 2010</td>
</tr>
<tr>
<td>By Publisher</td>
<td>CIC</td>
<td>Planning</td>
<td>TBD</td>
</tr>
<tr>
<td>By Publisher</td>
<td>Five Colleges (MA)</td>
<td>Operational</td>
<td>American Chemical Society, American Physical Society, APA Journals, Institute of Physics, JSTOR, Project Muse</td>
</tr>
<tr>
<td>By Publisher</td>
<td>GWLA</td>
<td>Planning</td>
<td>TBD spring 2010</td>
</tr>
<tr>
<td>By Publisher</td>
<td>Orbis-Cascade</td>
<td>Operational</td>
<td>American Chemical Society, JSTOR</td>
</tr>
<tr>
<td>By Publisher</td>
<td>PALCI</td>
<td>Planning</td>
<td>American Chemical Society, Institute of Physics</td>
</tr>
<tr>
<td>By Publisher</td>
<td>University of California</td>
<td>Operational</td>
<td>JSTOR, IEEE, others</td>
</tr>
<tr>
<td>By Publisher</td>
<td>Western North Carolina Library Network</td>
<td>Operational</td>
<td>JSTOR</td>
</tr>
<tr>
<td>By Title</td>
<td>OCUL</td>
<td>Planning</td>
<td>TBD</td>
</tr>
<tr>
<td>By Title</td>
<td>TRLN</td>
<td>Operational</td>
<td>Title list available</td>
</tr>
</tbody>
</table>
CRL Proposal

CRL proposes to work with partner consortia to develop a collaborative framework for archiving print journals, newspapers, and government documents in North America (and beyond)

1) To foster long-term preservation and accessibility of research materials

and

2) To systematically and significantly reduce costs
**Project Phases**

- **Phase 1:** Planning & Partnership
  - January – September 2010

- **Phase 2:** Pilot Implementation
  - October 2010 – June 2011

- **Phase 3:** Expansion to additional partners & content
  - July 2011 – September 2012
Planning and Partnership Phase

Deliverable: A plan, design, and cost estimates for:

- Service agreement(s)

- Procedures and systems to
  - disclose archived holdings
  - facilitate collection management decisions

- Business model identifying cost factors and cost-sharing principles

Timeframe: March through September 2010
## Consortial and CRL Strengths

### Consortia
- Long-term relationships with libraries in their regions or domains
- Operational resource-sharing programs among members
- Groundswell of shared print programs underway (30+ in North America)

### CRL
- Long-term focus on print preservation
- Over 250 libraries in North America and beyond, members of most other consortia
- Network-level service deployment and administration
CRL as Integrating Framework

- Promote consensus on archiving terms and services
- Develop interconsortial agreements

Common MOUs

- Aggregate archive information
  - Optimal copies
  - Archiving priorities

Archive Registry

- Manage compensation among consortia
- Track and report usage

Program Mgt

- Promote common metadata standards and system for collection analysis

Systems & Procedures

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Prototype Project: Build on Existing Publisher-Based Archives

- CRL
- Orbis-Cascade
- Five Colleges (MA)
- PALCI
- TRLN (individual titles)

JSTOR
ACS
APS & IOP
Consortium members would have access to other consortium archives through CRL agreement.
Interoperable MOUs

Consortia agree to support print archives with common terms:

- Environment with agreed security and environmental standards
- Retention period of [25] years, review every [10] years
- Recall/exit, offer material to other participants
- Access and delivery to all members of participating consortia including CRL libraries
Collection Analysis: Comparison of Holdings

Library Print Collection

Archive or Deselect

Archive or Deselect

Digital Archives

Print Archives
# Archive Registry:
## Prototype Listing of Print Archive Holdings

http://www.crl.edu/archiving-preservation/print-archives/print-archive-projects-and-holdings

<table>
<thead>
<tr>
<th>ISSN</th>
<th>Title and Consortium and Holdings</th>
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</thead>
<tbody>
<tr>
<td>0002-7294</td>
<td>+ American anthropologist</td>
</tr>
<tr>
<td>0002-7316</td>
<td>- American antiquity</td>
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<td></td>
<td>CRL</td>
</tr>
<tr>
<td></td>
<td>Five Colls MA</td>
</tr>
<tr>
<td></td>
<td>1 (1935)-[63]-64 (1999)</td>
</tr>
<tr>
<td></td>
<td>ORBIS</td>
</tr>
<tr>
<td></td>
<td>1935-1999</td>
</tr>
<tr>
<td>0002-7359</td>
<td>+ The American art journal</td>
</tr>
</tbody>
</table>
# Print Archives Registry Database (in development)

## Print Archives Registry

<table>
<thead>
<tr>
<th>Consortium</th>
<th>Project</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aseril</td>
<td>Association of Southeastern Research Libraries (ASERL) Collaborative Federal Depositories Program</td>
</tr>
<tr>
<td>Aseril</td>
<td>Association of Southeastern Research Libraries (ASERL) Cooperative Virtual Storage Project</td>
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<tr>
<td>Carlil</td>
<td>CARLI (Consortium of Academic and Research Libraries in Illinois) Last Copy Project</td>
</tr>
<tr>
<td>Cdl</td>
<td>UC-CRL Prospective Shared Print Archive for E-Journals</td>
</tr>
<tr>
<td>Cdl</td>
<td>University of California IEEE Archive</td>
</tr>
<tr>
<td>Cdl</td>
<td>University of California JSTOR archive</td>
</tr>
<tr>
<td>Cdl</td>
<td>University of California Shared Print E-Books Program</td>
</tr>
<tr>
<td>Cdl</td>
<td>University of California Shared Print Persistence Policy</td>
</tr>
<tr>
<td>Cio/CLI</td>
<td>Committee on Institutional Cooperation (CIC) Center for Library Initiatives Government Documents</td>
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<tr>
<td>Five Cells Na</td>
<td>Five Colleges of Ohio Shared Library Materials Agreement</td>
</tr>
<tr>
<td>Five Cells Na</td>
<td>Five Colleges, Inc (MA) Depository Archive Agreement</td>
</tr>
<tr>
<td>Lmnc/lipa</td>
<td>Law Library Microform Consortium (LMNC) and Legal Information Preservation Alliance (LIPA) Print Archive</td>
</tr>
<tr>
<td>Ocul</td>
<td>Ontario Council of University Libraries (OCUL) Thunder Bay Agreement</td>
</tr>
<tr>
<td>OhioLink</td>
<td>OhioLink Shared Last Copy project</td>
</tr>
<tr>
<td>Orbis</td>
<td>Orbis-Cascade Alliance Distributed Repository Project</td>
</tr>
<tr>
<td>Palci</td>
<td>Pennsylvania Academic Library Consortium (PALCI) Distributed Journal Archive</td>
</tr>
<tr>
<td>Pascal</td>
<td>PASCAL (Preservation and Access Service Center for Colorado Libraries) Shared Copy policy</td>
</tr>
<tr>
<td>Trln</td>
<td>Triangle Research Libraries Network (TRLN) Shared Copy Program</td>
</tr>
</tbody>
</table>
Print Archives Registry Database
(in development)

ORBIS PROJECT INFORMATION

Consortium: Orbis Cascade Alliance - view holdings
Project: Orbis-Cascade Alliance Distributed Repository Project
Description: The ORBIS-Cascade Alliance is a consortium of 36 colleges and universities in Oregon and Washington. The Distributed Repository Program consolidates and preserves print runs of journals among ORBIS member libraries. The materials selected for archiving are journals of the American Chemical Society (ACS) and JSTOR.

More Information: http://www.orbiscascade.org/index/current-work
Status: Operational 2008
Formats: Journals
Selection: American Chemical Society, JSTOR
Type: Distributed among campus libraries
Retention: 25 years
Ownership: Original owner
Validation: Volume
# Print Archives Registry Database (in development)

## Print Archives Registry

### Serials List

417 serials found - page 1/21

<table>
<thead>
<tr>
<th>ISSN</th>
<th>Title</th>
<th>Provider</th>
<th>Archivers</th>
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<tbody>
<tr>
<td>0001-4842</td>
<td>Accounts of chemical research</td>
<td>ACS</td>
<td>ORBIS, PALCI, Portico, TRLN</td>
</tr>
<tr>
<td>0001-9909</td>
<td>African Affairs</td>
<td>JSTOR</td>
<td>CRL, Five Colleges MA, ORBIS, Portico</td>
</tr>
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<td>0001-9992</td>
<td>African Historical Studies</td>
<td>JSTOR</td>
<td>CRL, Five Colleges MA, ORBIS</td>
</tr>
<tr>
<td>0002-0206</td>
<td>African Studies Review</td>
<td>JSTOR</td>
<td>CRL, Five Colleges MA, ORBIS</td>
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<td>0002-7294</td>
<td>American Anthropologist (AAA)</td>
<td>JSTOR</td>
<td>CRL, Five Colleges MA, ORBIS, Portico</td>
</tr>
<tr>
<td>0002-7316</td>
<td>American Antiquity</td>
<td>JSTOR</td>
<td>CRL, Five Colleges MA, ORBIS</td>
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</table>
Print Archives Registry Database (in development)

Print Archives Registry

ISSN: 0002-7294  

SERIAL HOLDINGS

ISSN: 0002-7294
Title: American Anthropologist (AAA)
Provider: JSTOR

<table>
<thead>
<tr>
<th>Archiver</th>
<th>Years</th>
<th>Holdings</th>
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<tbody>
<tr>
<td>CRL</td>
<td>1-433 v.1-11 (1888-1898) n.s. v.1-28 (1899-1926)</td>
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</tr>
<tr>
<td></td>
<td>3-1899 n.s. v.102 (2000)</td>
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</tr>
<tr>
<td>Five Coils MA</td>
<td>1 (1935)-63-64 (1999)</td>
<td></td>
</tr>
<tr>
<td>ORBIS</td>
<td>1888-1997</td>
<td></td>
</tr>
<tr>
<td>Portico</td>
<td>2006-2007  v.108(3,4), v.109(1,2,3,4)</td>
<td></td>
</tr>
</tbody>
</table>
Holdings Disclosure and Collection Analysis

- WorldCat
  - Group Access Catalog
    - Inst Symbols
      - LHRs
  - Archiving libraries/consortia

- Registry

- Other source data (Ulrich’s, JSTOR, Portico, local, others)
  - Ithaka
  - What to Withdraw

- Specialized Collection Analysis System

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GLOBAL RESOURCES NETWORK
Funding Model

• Divide the central framework costs among participating consortia according to a formula (TBD).
  • Program management and administration
  • Collection analysis system and processing

• Give financial compensation to archive providers as incentive to participate
  • Through CRL?
  • Through regional consortium?
Relationship to Other Efforts

- Western Regional Storage Trust (WEST)
  - Multi-consortial effort to develop a retrospective print journal repository network in the Western U.S.
  - California Digital Library, Orbis-Cascade Alliance, GWLA, others

- Ithaka S&R
  - Intellectual framework for print archiving and local deselection
  - Prototype decision-support tool for JSTOR titles
  - CRL in discussion with Ithaka to collaborate on holdings analysis and decision-support mechanisms
Next Steps

• Complete disclosure and collection analysis plans
• Finalize service agreements
• Develop preferred financial model
External Funding Possibilities

• CRL plans to seek additional support from the Mellon Foundation, working with consortial partners

• CRL proposing also to develop domain-based archives of legal materials (with LLMC) and agriculture materials (with USAIN)
“...long-term investments in redundant print collections create a counterweight to innovation ...”

James Michalko, Constance Malpas, and Arnold Arcolio.