



Mainstreaming Digital Services

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Digital Library Federation
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From Project to Program

- ☞ **Design Transition Strategies**
- ☞ **Develop Formal Policies to Encompass the Life Cycle of Digital Resources**
- ☞ **Tie Policies to Institutional Resources**
- ☞ **Analyze Digital Projects for Efficiencies and Economies**
- ☞ **Document the Process and the Product**
- ☞ **Undertake the Doable**
- ☞ **Staff Programs with Well-Trained People**
- ☞ **Incorporate Flexibility**
- ☞ **Develop Institutional Programs in the Context of Multi-Institutional Collaboration**



Division of Digital Library and Information Technologies (D-LIT)

- Digital Collections
- Gateway to Electronic Resources
- Electronic Library Services
- Electronic Publishing
- Library Management System
- Encoded Archival Description
- Distance Learning
- Long-term Preservation and Access



Division of Digital Library and Information Technologies (D-LIT)

**Associate University Librarian for Information
Technologies and Special Collections**

Managment Group:

- Hickerson
- Personius
- Koltay
- Habicht
- Lynch
- Hirtle
- Kenney

Technology Planning

Electronic Publishing

Media Arts

Library Systems

Desktop Services

**Cornell Institute for
Digital Collections**



Cornell University Library Gateway

Welcome! This is your gateway to the Library, the items on our shelves, and our expanding electronic holdings.

[CU Library Catalog](#): Find the locations of books, periodicals, and other items in Cornell's collections.

[Networked Resources](#): Connect to electronic resources: periodical indexes, numeric data, and full text.

[About CU Library](#): Hours, news, digital projects, staff directory, and more.

[Library Services](#): Circulation, interlibrary loan, reference, instruction, and collection development.

[CU Library Web Sites](#): Links to individual Cornell libraries, divisions, and collections.

[Help](#): "How to" information about the Gateway, electronic resources, and library research.

[Site Map](#): An overview of this site.

[CUinfo](#): Cornell University's Information System.

[CU Home Page](#): Cornell University's Web site.

**Connect
to Gateway
Resources
from
Anywhere!**

myLibrary

Personalize Your Gateway!

[Contact Us](#)

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University Library

[Credits](#)



Supporting Gateway Use

- ☞ **User inquiries are diverse and may include responses concerning:**
 - **Content**
 - **Contractual Provisions**
 - **Searching**
 - **Cataloging**
 - **Technology**
 - **Reference**
 - **General Information**
 - **Authentication**
 - **Intellectual Property Administration**

- ☞ **Users served by a Library-wide team as an integrated, 7 X 16, service.**

- ☞ **Team members are not centrally designated, and team participants alternate continually and over time.**

- ☞ **The team has no common administration.**

- ☞ **Users are both local and global.**



Gateway Evaluation

- **Gateway Implementation, January 1998**
- **Gateway User Evaluation, Fall 1998**
- **Findings**
 - **Users liked it, especially students.**
 - **Users wanted to be able to search by genre categories, e.g. Electronic Journals.**
 - **It was too inclusive -- too many unneeded resources.**
 - **It was not sufficiently inclusive -- only included Library resources.**
 - **Faculty wanted a current awareness service.**
- **Development of MyLibrary**



myLibrary @Cornell

Welcome, Jennifer F Conklin, to
MyLibrary!

myLinks

Select MyLinks to collect, organize, and maintain links to electronic resources from the **Library Gateway** or anything else on the World Wide Web.

myUpdates soon!

Select the MyUpdates service to be periodically informed of new books, journals, electronic media, and other resources which meet criteria you specify.

Important Notice! In order to keep your personalized services secure you must **Logout** when you are finished using MyLibrary. You can logout by clicking on the **Logout** link in the upper right of every page.

Ask a Librarian!

Send us E-mail: [Reference question?](#) | [Problem connecting?](#) | [Comments about MyLibrary?](#)

Call us: [Reference Desks](#) : [Directory](#)

MyLinks

Back Forward Stop Refresh Home Favorites History Search AutoFill Larger Smaller Print Mail Preferences

Address: <http://mylibrary.cornell.edu/servlet/MyLibWorkspace?prunessionid=953934295285261764> Go

Cornell University Library Catalog Cornell ILR Adobe EarDrum Live Home

Logout Help

myLibrary @Cornell

MyLinks for Jennifer F Conklin

| MyFolders | Add Folder Edit All Folders |
|------------------|-------------------------------|
| Library Services | Internet Search Engines |

Library Services Add Resource | Edit This Folder

| | |
|----------------------------|-----------------------------|
| Ask a Reference Librarian | Book Recall Form |
| Book Renewal Form | BooksOut |
| CU Library Catalog | CU Library Gateway |
| Change of Address | Circulation Desks Directory |
| Inter-Library Loan Request | Library Announcements |
| Library Hours | Library Policies |
| New Book Request | Reference Desks Directory |
| Request Book from Annex | Reserve |

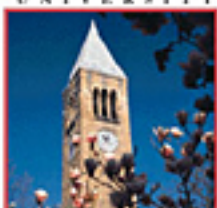
Top

Internet Search Engines Add Resource | Edit This Folder

| | |
|-----------|-----------|
| About.com | Altavista |
| Excite | Excite |

Internet zone

CORNELL UNIVERSITY



LIBRARY GATEWAY

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[Networked Resources](#)
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[Library Services](#)
[CU Library Web Sites](#)
[Help](#)
[Site Map](#)
[Library Home](#)
[CUinfo](#)
[CU Web Site](#)

Ask a Librarian

The form below allows you to send e-mail to many of the Cornell University Library Reference Divisions. Individual Reference Divisions may have different policies regarding e-mail reference questions. In general, priority is given to members of the Cornell community.

Whenever possible, e-mail questions received Monday-Thursday will be responded to within 24 hours. Questions received Friday-Sunday will be responded to by the following Tuesday.

Your name:

Status: undergraduate graduate faculty staff other

Your e-mail address:

 (e.g., abc3@cornell.edu)

Please send your question to the appropriate library from the list below. Send your question to Olin Library if you are unsure which library you should send your question to.

Select a library:

Your Question:

Ask a Librarian!

Send us E-mail: [Reference question?](#) | [Problem Connecting?](#) | [Comments about the Gateway?](#)

Call us: [Reference Desks - Directory](#) | [Circulation Desks - Directory](#)

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Making of America

The Cornell University Library MOA Collection

The Cornell University Library Making of America (MOA) Collection is a digital library of primary sources in American social history from the antebellum period through reconstruction.

The collection is particularly strong in the subject areas of education, psychology, American history, sociology, religion, and science and technology.

The Cornell University Library digital collection contains approximately 114 books and 24 Journals encompassing nearly 900,000 pages with 19th century imprints.

The project represents a major collaborative endeavor in preservation and electronic access to historical texts.

To view the MOA Collection available online, click on one of the methods listed below:

 [Browse](#) the Cornell University MOA Journal Collection

 [Browse](#) the Cornell University MOA Book Collection

 [Search](#) the Cornell University MOA Collection

[About the Digital Library](#)

[About the Making of America Project](#)

[About the Cornell University Library](#)

[Cornell University Digital Library](#)

[Cornell University MOA Collection](#)

[University of Michigan MOA Collection](#)

Ask a Librarian!

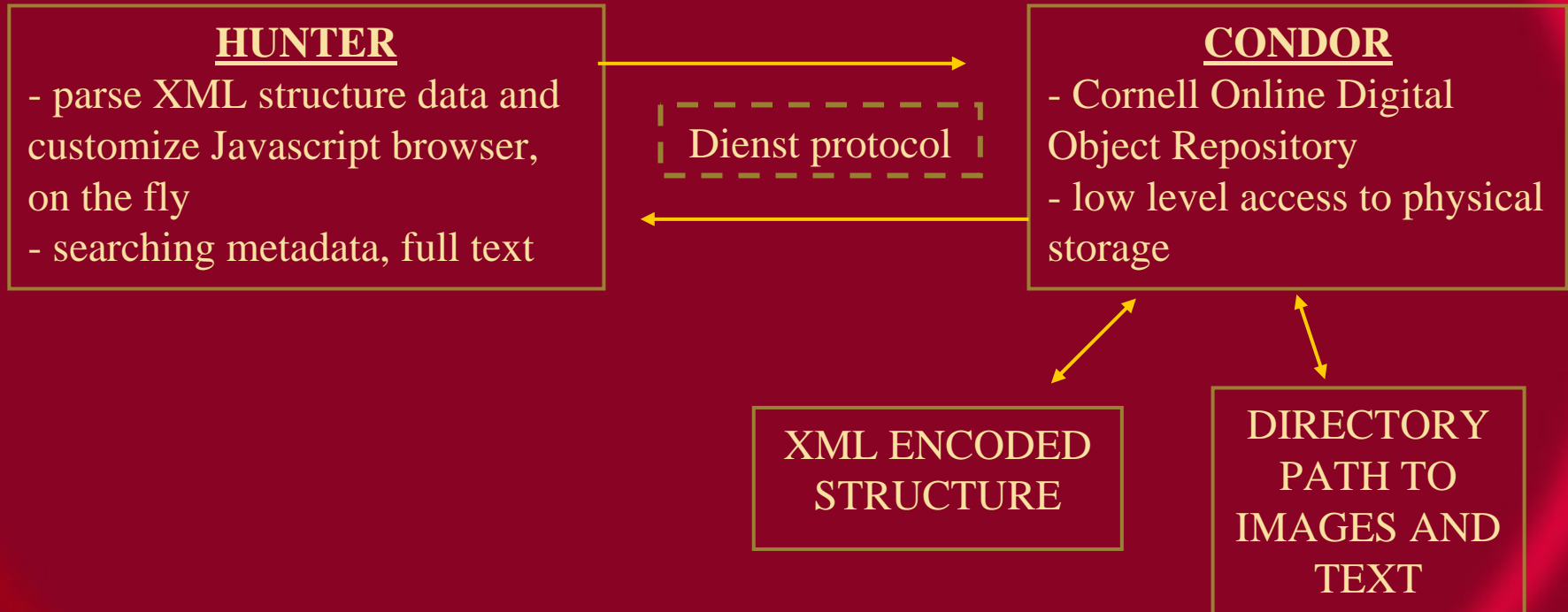
Send us E-mail: [Reference question?](#) | [Computer/Technical question?](#)

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Gateway



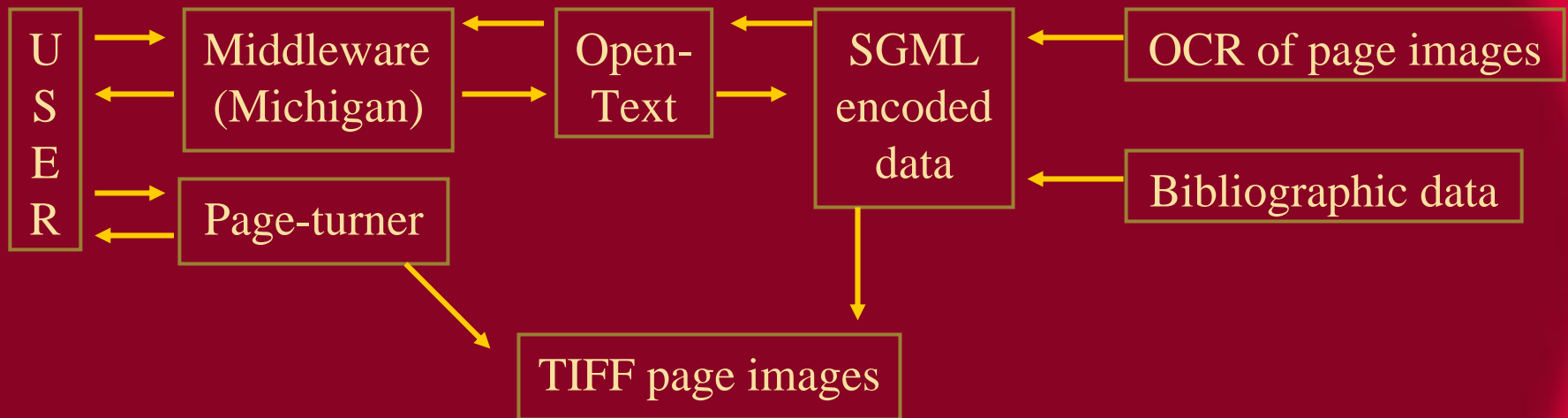
Hunter System Architecture



<http://library5.library.cornell.edu/MOA/MOA-COLLECTION.html>



MOA OpenText System Summary



System URL: <<http://cdl.library.cornell.edu/moa>>




Evaluating Making of America Interfaces

- **Seeking Quality for Users and Staff Supporting Digital Collections**
- **Supporting Buy-In by Staff and Respecting Their Expertise**
- **Broad Review – Internal and External**
- **Review by the Instruction and Reference Program Committee (IRPC) Steering Committee**



ENCompass Development

 **Joint development project of Cornell University Library and Endeavor Information Systems**

 **Desired Functionality**

- **Provide object management capabilities**
- **Provide full-text searching of digital text resources**
- **Manage and control links across separate repositories**
- **Allow entry of descriptive, administrative, and object rights management data**
- **Provide simultaneous searching across disparate digital collections**
- **Facilitate resource discovery for both print and digital collections**

 **Phase I**

- **Digital Collections Management and Access**
- **EAD (Encoded Archival Description) Finding Aid Support**



ENCompass Development

☞ Advantages from Cornell Library's Perspective

- **Guide Development**
- **Implement Data Standards beyond MARC - SGML, XML, Dublin Core, FGDC (geo-spatial), and Future Standards**
- **Common Hardware and Software Platform and Common System Vendor and Service Support with Library Management System**
- **Assumes Heterogeneous Digital Repository Environment**
- **Plans to Implement Dienst-based Open Archive Initiative Requirements**



Background

☰ Cornell digitization efforts

- focus has been on creating digital content of long-term value and utility
- emphasis on image quality from a preservation, cost, and processing perspective
- Analog copies for preservation: the hybrid strategy

☰ Growing concern for digital preservation



Problem Statement

☞ Technological Obsolescence

- storage media
- file formats and
compression schemes
- various
hardware/software
- gaps in institutional
memory

☞ Organizational and Legal Issues

- organizational
responsibilities
 - financial requirements
 - stakeholders
 - life cycle management.
- legal framework



Preserving Cornell's Digital Image Collections: IMLS-funded initiative

- ☞ digital image collection inventory
- ☞ research into file formats, preservation metadata, storage, and master vs. access images
- ☞ assess resource needs in terms of staff, equipment, space, time, and finances (10-year)
- ☞ develop digital preservation policy for CUL
<http://www.library.cornell.edu/imls/index.htm>



Developing a Digital Preservation: Policy - 1

☞ Policies for deposit with CUL-IT

☞ selection, conversion, and re-selection, with emphasis on

- digital collections with long-lasting value
- setting priorities
- requisite documentation metadata



Developing a Digital Preservation: Policy - 2

Technical Requirements

- maintenance procedures
- preservation strategies
 - refresh, migrate, emulate, technology preservation, digital archeology
- Technology forecasting



Developing a Digital Preservation: Policy - 3

- Organizational infrastructure
 - institutional responsibility
 - financial commitment
 - staffing
 - cooperation and collaboration



Developing a Digital Preservation: Policy - 4

☞ Institutional buy-in

- Agreement across the system
- Multi-institutional commitments

☞ proposed preservation strategy outlined in Kenney and Rieger, *Moving Theory into Practice: Digital Imaging for Libraries and Archives*, RLG (spring 2000, www.rlg.org/preserv/mtip2000)



Planning for the Digital Future

 Content

 Services

 Community

Presently in Draft, 4/1/00



In Summary ---

- ☞ Libraries are defined by their content; they operate and are managed through their services.
- ☞ Designing and implementing services is a vehicle for generating a sense of common ownership and broad commitment of talent and resources.
- ☞ Developing services gives us a means of remaining focused on users and use.