Mainstreaming Digital Services

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Digital Library Federation
Spring Forum on Digital Library Practices
Emory University, Atlanta, Georgia
March 31, April 1-2, 2000
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

- Technology Planning
- Electronic Publishing
- Media Arts

Cornell Institute for Digital Collections

Library Systems

Desktop Services

Management Group:
- Hickerson
- Personius
- Koltay
- Habicht
- Lynch
- Hirtle
- Kenney
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.

CUnet: Cornell University's Information System.

CU Home Page: Cornell University's Web site.

Contact Us

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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
Welcome, Jennifer F Conklin, to MyLibrary!

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

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 for Jennifer F Conklin

MyFolders
- Library Services
- Internet Search Engines

Library Services
- Ask a Reference Librarian
- Book Renewal Form
- CU Library Catalog
- Change of Address
- Inter-Library Loan Request
- Library Hours
- New Book Request
- Request Book from Annex

Internet Search Engines
- About.com
- AltaVista
- DMOZ
- Excite
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:

[Text input field]

Send e-mail  Clear Form

Ask a Librarian!
Send us E-mail  Reference question?  |  Problem Connecting?  |  Comments about the Gateway?
Call us  Reference Desk |  Directory  |  Circulation Desk:  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

Ask a Librarian!
Send us E-mail | Reference question? | Computer/Technical question?
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Hunter System Architecture

**HUNTER**
- parse XML structure data and customize Javascript browser, on the fly
- searching metadata, full text

**CONDOR**
- Cornell Online Digital Object Repository
- low level access to physical storage

Dienst protocol

XML ENCODED STRUCTURE

DIRECTORY PATH TO IMAGES AND TEXT

http://library5.library.cornell.edu/MOA/MOA-COLLECTION.html
MOA OpenText System Summary

User

Middleware (Michigan)

Page-turner

OpenText

SGML encoded data

OCR of page images

Bibliographic data

TIFF page images

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
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
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
Organizational infrastructure
- institutional responsibility
- financial commitment
- staffing
- cooperation and collaboration
Institutional buy-in
  - Agreement across the system
  - Multi-institutional commitments

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.