Rosetta in an Academic Library

Presented 11 September 2011 at IGeLU 2011
Binghamton University, one of four comprehensive doctoral research universities within the State University of New York, is recognized for stellar academics, an international focus, high graduation rates and overall value.

- Undergraduates: 11,706
- Graduate students: 3,007
- Average SAT score range: 1190-1340
- Average ACT score range: 26-31
- Top 25% of high school class: 85%
- In the past 10 years, 91-93% of freshmen returned for their sophomore year
- Students of color: 33.3%
- International students: 10%

*Students come from all 50 states and 100 countries*
Binghamton University (SUNY)

Binghamton University: “The premier public university in the northeast” and “best buy” (Fiske Guide To Colleges, 2010)

• #1 in 2011 as a best value among the nation's public colleges for out-of-state students and #5 overall (Kiplinger's Personal Finance, 2011)
• One of the nation’s top 50 public universities for the 13th consecutive year (U.S News & World Report, 2010)
• #6 best value for public universities based on academics, cost of attendance and financial aid (The Princeton Review Best Value Colleges for 2010”)
• 8th most selective public university (U.S. News & World Report, 2008)
• 16th among public universities and 57th among all public and private universities in the nation (Forbes, 2008)
• School of Management ranked 18th best public business school in the U.S. (Business Week, 2010)
• 4-year graduation rate of 80% is 3rd best in U.S., with 60% continuing to graduate or professional schools
Collections Profile

- **2,409,043** Volumes (print, gov. documents, and electronic books)
- **93,414** Print & e-Journals, Serials & Orders
- **1,869,980** Microforms & Microfiche
- **118,948** Sound Recordings (phonodiscs, CDs, audio cassettes, DVD audio)
- **2,951** CD-ROMs
- **120,959** Maps
- **3,751** DVDs & Videocassettes
- **234** Electronic Databases
- **1,077 linear feet** Archives & Manuscripts
Our Facilities

Three Libraries

- Bartle
- Science
- UDC

All three contain Information Commons & circulate wireless laptops/netbooks.

Bartle is open 24x6 noon Sunday till midnight Friday; Saturday noon till midnight

Library Annex@Conklin
Contains 350,000 volumes of infrequently used research materials

Annex Reading Room Hours:
Monday - Friday 9AM - 4PM

Digitizes articles on demand and sends to faculty via email
A “series of managed activities necessary to ensure continued access to digital materials for as long as necessary”

“Actions required to maintain access to digital materials beyond the limits of media failure or technological change.”

“Materials may be records created during the day-to-day business of an organisation; "born-digital ... or the products of digitisation projects.”
Digital preservation: A definition (2 of 2)

- JISC Beginner’s Guide to Digital Preservation elaborates:
  - **Managed**: Digital preservation is a Management problem.
  - **Activities**: The policy needs to filter down to a list of processes: tasks that can take place at specified times and in specified ways.
  - **Necessary**: What needs to be done. How long do you want to preserve the objects for? Discussions about the activities needed to achieve a level of preservation are necessary.
  - **Continued Access**: Access is the key here. Most objects in the public sphere are preserved to support access and retrieval.
  - **Digital Materials**: Digital materials, digital objects, call them what you will. This is the stuff you are preserving. Different objects require different processes.
Local Content as the Future of Academic Libraries?

- At least in regards to Physical Collections?
- Google Books, HathiTrust
- To a large degree the material under the “Bell Curve” (journals, gov’t docs, etc.) is already being “managed” outside of libraries

Furthers the role of libraries to the digital world
Not a new idea, a new format
Majority of new material is published in digital format (Scholarly Articles, Campus newsletters, Course catalogs, Web sites...)

“Digitization for Access is Not Preservation; Without Preservation, There is No Access”
As libraries transition from print to digital, librarians must insure that all traditional library values and services migrate together: Selection, Acquisition, Description & Classification, Preservation and Access.

Unfortunately, many librarians, mesmerized by the ease of digital access and Google’s digitization program, have neglected some of these basic tenants of librarianship.

Disclosure – we rushed into digitization ourselves and experimented with OCLC’s CONTENTdm®, Innovative Interface’s Content Pro, SUNY’s DSpace and ejprints
Results of our Rush to Digitization: Unlinked Digital Collections & Interfaces with No Preservation
What We Learned; The Need to:

- Adhere to International Standards
- Capture the locally born digital objects that are replacing titles formerly found in our print archives
- Ensure Digital Curation & Preservation
- Provide Cross-Collection Search
- Demonstrate proof of concept before soliciting faculty research
Foundation of Our Future Digital Library: Unified Access to Digital & Print Assets with Local Preservation
Low-hanging fruit

- Data Sets
- Faculty Research
- Special Collections/University Archives
- Course Catalogs
- University Photographs
- Newsletters

Also need to be **opportunistic** (blood serum collection)

Images cc-by-nc-2.0: http://www.flickr.com/photos/bycp/
At-risk materials

Image cc-by-nc-sa 2.0: http://www.flickr.com/photos/yakibah/3512735385/
Digital asset management (DAM) consists of management tasks and decisions surrounding the ingestion, annotation, cataloguing, storage, retrieval and distribution of digital assets.” (Wikipedia, 2011)

Preservation is not mentioned

“Often, those creating digital materials or designing digital content management systems do not take great interest in their long-term preservation.” (Trusted Digital Repositories: Attributes and Responsibilities An RLG-OCLC Report, 2002 (p. 18))
Digital Preservation: Binghamton’s Solution

- Experimented with various “Digital Content” systems including Content Pro, CONTENTdm, DSpace, EPrints
- None of these has preservation “built-in”
- Building our own was not practical
  - Staffing levels
  - Lack of expertise
- Rosetta by Ex Libris
No preservation systems is useful if there is no access (especially for a University Library)
Rosetta does not have a public discovery layer
Rosetta’s Digital Publishing System is flexible so there are options
Primo for discovery
  - First University to use Primo with Rosetta
  - Works well with other library systems such as Aleph and Primo Central
  - One stop shopping
Implementation Timeline

- Early December 2010: Initial training
- January 2011: Installation and functional training
- February 2011: 2 Metadata librarians begin working at Binghamton
- End of March 2011: Went live with first collection
- May 2011: Go live beta with Primo for Aleph, etc.
- July 1, 2011: Go into production with Primo
- August 2011: Begin importing 365,000+ photographs
Overall Staffing

- Systems: 1 person (~0.5 FTE)
  - Project Management
  - Systems/Technical
- Metadata/Cataloging: 3 people (~1.0 FTE)
- User Interface: Part of Web Services Librarian's Time
- Special Collections: Not directly involved with implementation, but relied on heavily for collection level expertise
Metadata Librarians are Project Managers

- Decide on appropriate descriptive metadata fields
- Create the metadata forms
- Provide training
- Develop and/or provide specialized terminology (such as LCSH, TGM, TGN)
- Review submissions as appropriate
- DO NOT typically create the metadata (student workers or other staff will create metadata)
O/S and Hardware

- RHEL 5.5
- IBM x3550 M2 (2x – one production, one test)
  - 24 GB RAM
  - (2) 2.93 GHz Intel x5570 Xeon Processors
  - (2) 146 GB hard drives
- HP StorageWorks MSA2300i Controller
  - 24 TB (pre-mirroring)
- Tape backup
What is Put into Rosetta?

- Each file (or group of files) deposited is an Intellectual Entity or IE
- With an IE are:
  - Metadata forms (in DC format)
  - Submission formats (how a file is to be uploaded)
  - Copyright statement to be used
  - Access right forms (who can view the content)
Rosetta metadata decisions

- Dublin Core fields
- Non-standard fields
- Create a master list
- Dublin Core is so flexible that it is inflexible
Create metadata form
Choose your properties for the field

Properties for: Title

* Label
  - Title

* DC Tag
  - title

Validator
- No Validator

* Type
  - TextField

* Mandatory
  - Yes

Single Line
- Yes

Default Value

Tooltip
  - Title of item, if there is no given title; assign one, try to be unique.

Description

Title

Save Field
<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Title</td>
<td></td>
</tr>
<tr>
<td>Description</td>
<td></td>
</tr>
<tr>
<td>Note</td>
<td></td>
</tr>
<tr>
<td>Subject (TGM)</td>
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<tr>
<td>Subject (LCSH)</td>
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</tr>
<tr>
<td>Personal Contributor(s)</td>
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<tr>
<td>Location</td>
<td></td>
</tr>
<tr>
<td>Identifier (File Name)</td>
<td></td>
</tr>
<tr>
<td>Original Date (YYYY-MM-DD)</td>
<td></td>
</tr>
<tr>
<td>Decade</td>
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<tr>
<td>Original Format</td>
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</tr>
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<td>Author/Photographer</td>
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<td>Type</td>
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Binghamton University Libraries
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<tr>
<th>#</th>
<th>Title</th>
<th>Type</th>
<th>PID</th>
<th>SIP ID</th>
<th>Producer</th>
<th>Creation Date</th>
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<tbody>
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<td>1</td>
<td>Submarine on display</td>
<td>Intellectual Entity</td>
<td>IE18479</td>
<td>7890</td>
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<td>Intellectual Entity</td>
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<td>6643</td>
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<td>2011-03-25 06:26:56</td>
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</table>
Primo at Binghamton
Show only: Available in the Library (37)

Refine My Results:
- Topic:
  - Link trainers (4)
- Creator:
  - G.P.I., Link Division, Binghamton, N.Y. (56)
  - Link Aviation (73)
  - Link Aviation Devices, Inc. (341)
  - Link, Edwin A. (Edwin Albert), 1904-1981 (38)
- Collection:
  - Rosetta (5,097)
  - Special Collections (32)
- Creation Date:
  - Before 1966 (10)
  - 1966 To 1972 (9)
  - 1972 To 1986 (9)
  - 1986 To 1998 (7)
  - After 1998 (8)
- Resource Type:
  - Images (5,097)
  - Books (30)
  - Audio Visual (5)
  - Journals (1)
  - Other (1)

5,134 Results for All Local Collections:
- Edwin A. Link
  - Edwin A. Link Jr. Collection
  - Binghamton University Libraries
  - Online access
    - View Online
    - Details
    - Reviews & Tags
    - More

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  - Link Aviation
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  - Link Aviation Devices, Inc.
  - Edwin A. Link Jr. Collection
  - Binghamton University Libraries
  - Online access
    - View Online
    - Details
    - Reviews & Tags
    - More
Same search in Binghamton’s Primo

Search term: submarine

Digital Collections

10 Results for Digital Collections

- Perry Cubmarine on Sea Diver
  - Edwin A. Link Jr. Collection
  - Binghamton University Libraries
  - Online access

Details:
- Title: Perry Cubmarine on Sea Diver
- Author: Sea Diver (Boat); Perry Cubmarine (Submarine)
- Publisher: Binghamton University Libraries
- Format: 1 photograph: b&w; 20.5 x 25 cm. image/jpeg
- Language: English
- Source: Rosetta
- Subject (TGM): Boats
Can zoom in!
Comments and challenges

- Built for National Libraries
  - Comes with territory of being first University partner
    - Scales down well
  - Ex Libris extremely responsive and making improvements
- Once you use it for a while, it’s easier
  - Familiarity
  - Local documentation
- You don’t need an army of staff
  - Partner with other departments
Future & continuing projects

- More Special Collections (digitization)
- Blood Serum
- University Photographer
  - 365,000+ images!
- Born Digital
  - Newsletters
  - Campus website
- Planning to be opportunistic
- Prioritization: Committee to set priorities
This presentation was a collaborative effort within Binghamton University Libraries by Edward Corrado, John Meador, Sandy Card, and Ashley Marcin.

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