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Rosetta in an Academic Library

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IGeLU 2011

IGeLU
Conference &

Ex Libris
Systems Seminar

Haifa, Israel, September 11-16, 2011



Binghamton University (SUNY)

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



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Collections Profile



2,409,043
Volumes
(print, gov. documents,
and electronic books)

93,414
Print & e-Journals,
Serials & Orders



A Map of the Night
Jordan Smith. The Antioch Review. Yellow
[Abstract](#) | [Full text](#) | [Full Text](#)



1,869,980
Microforms &
Microfiche

118,948
Sound Recordings
(phonodiscs, CDs, audio
cassettes, DVD audio)



2,951
CD-ROMs

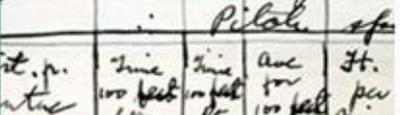


120,959
Maps

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**



ba's 44 chapters in the United
is support partners and commu-
s to provide education to these
while attempting to instill
reness about related matters like
siness, health and savings.



**Digitizes articles
on demand and
sends to faculty
via email**

Digital preservation: A definition (1 of 2)

- 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.

Why digital preservation? (1 of 2)

- 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



Why digital preservation? (2 of 2)

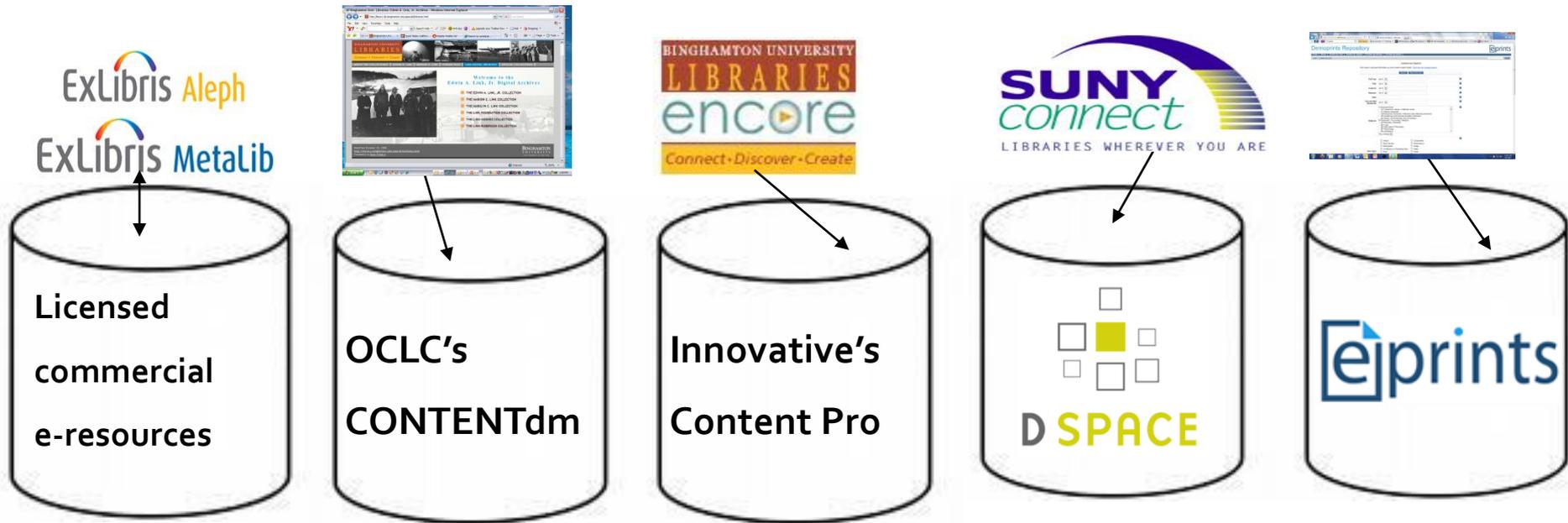
- Furthers the role of libraries to the digital world
- Not a new idea, a new format
- Majority of new material is published in digital format (Scholarly Articles, Campus newsletters, Course catalogs, Web sites...)
- *“Digitization for Access is Not Preservation;
Without Preservation, There is No Access”*



Rushing to Digital 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 

Results of our Rush to Digitization: Unlinked Digital Collections & Interfaces with No Preservation

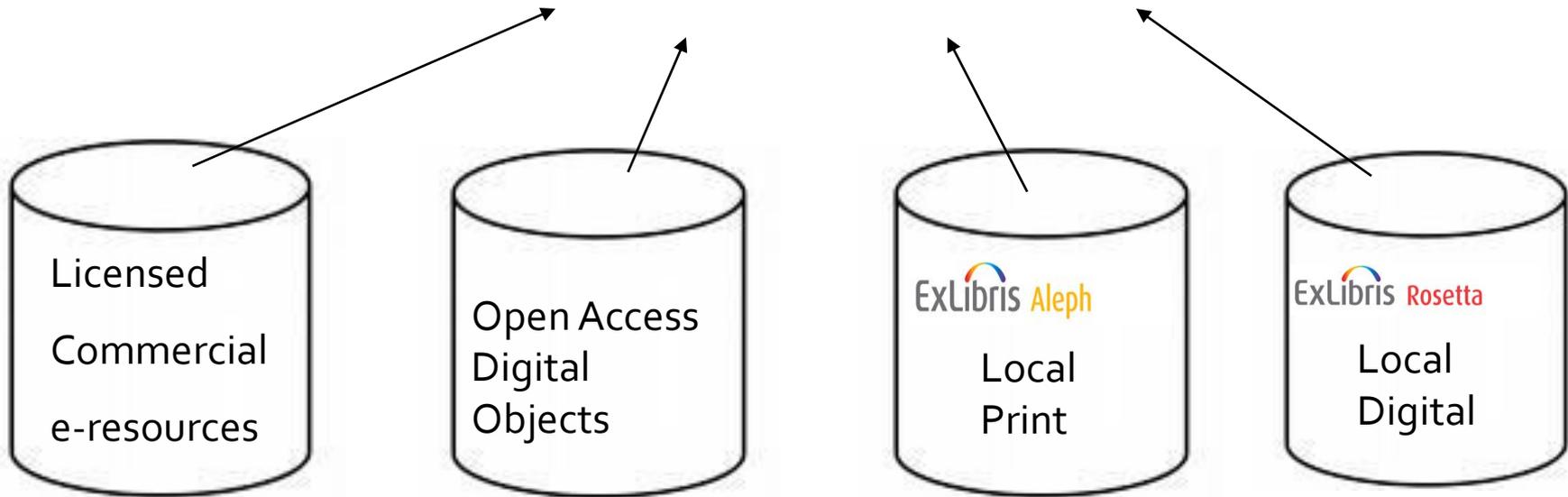


What We Learned; The Need to:

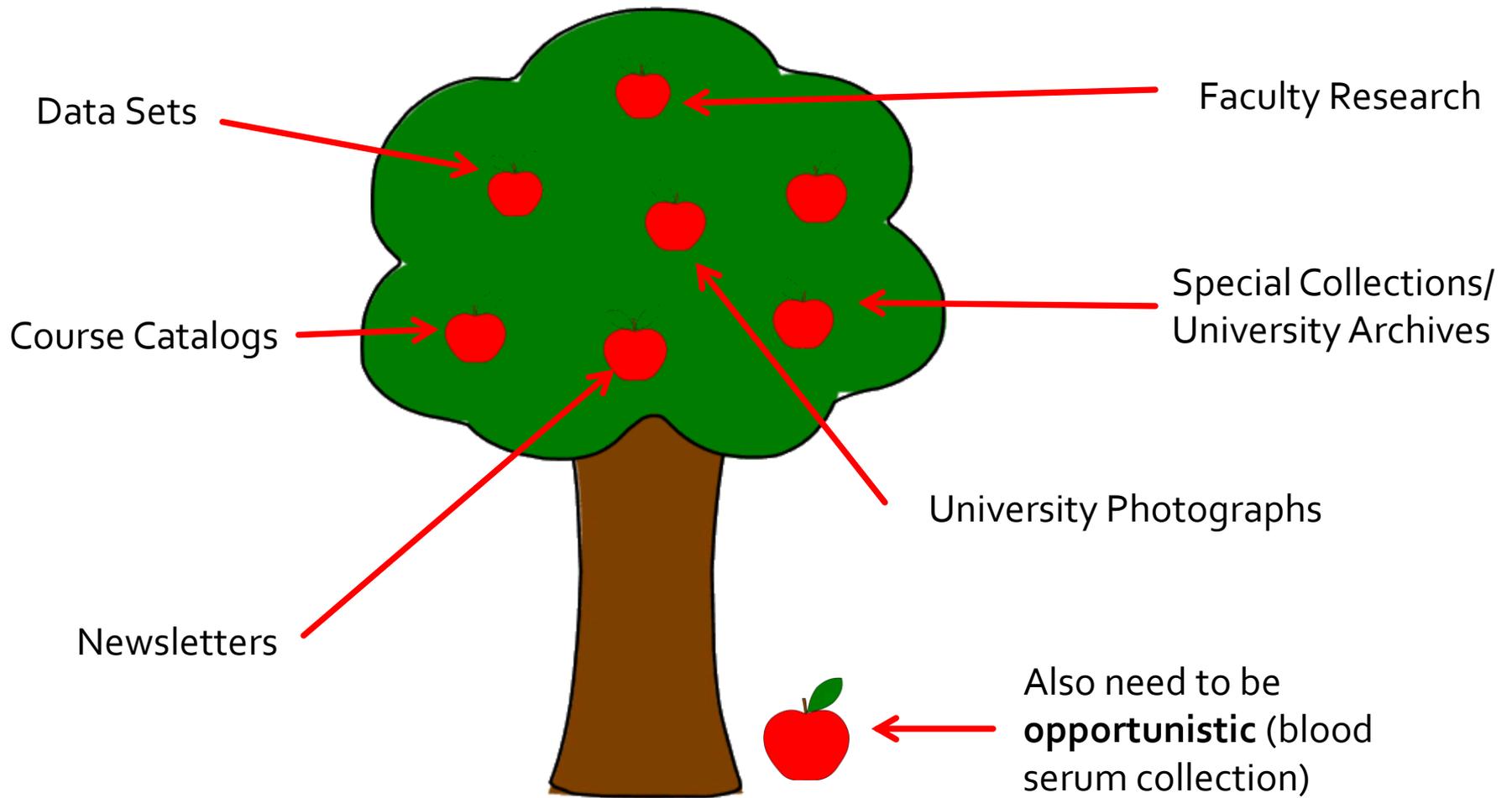
- Adhere to International Standards
- Capture the locally born digital objects that are replacing titles formerly found in our print archives
- Ensure Digital Curation & Preservation
- Provide Cross-Collection Search
- Demonstrate proof of concept before soliciting faculty research

Foundation of Our Future Digital Library: Unified Access to Digital & Print Assets with Local Preservation

ExLibris Primo



Low-hanging fruit



At-risk materials



Image cc-by-nc-sa 2.0: <http://www.flickr.com/photos/yakibah/3512735385/>

Digital Asset/Content Management System vs. Digital Preservation System

- “**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

Rosetta

Rosetta and discovery

- 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/Cataloging Staffing

- 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

Type: Generic
Updated on: 05/05/2011
Created on: 05/05/2011
Created by: Ex Libris

Design Information | **Fields Information**

Select a field to view/edit:

Add New Field

Delete Fields

Duplicate Field

Properties for:

* Label

* DC Tag

Validator

Default Value

Tooltip

* Description

- title
- subject
- subject (dcterms:MESH)
- subject (dcterms:ULAN)
- subject (dcterms:UDC)
- subject (dcterms:LCC)
- subject (dcterms:LCSH)
- subject (dcterms:CONA)
- subject (dcterms:DDC)
- subject (dcterms:TGN)
- subject (dcterms:AAT)
- subject (dcterms:TGM)
- description
- type
- type (dcterms:DCMIType)
- format
- format (dcterms:IMT)
- identifier
- identifier (dcterms:URI)
- identifier (dcterms:ISSN)
- identifier (dcterms:ISMN)
- identifier (dcterms:ISBN)
- language
- language (dcterms:ISO639-2)

* Type

TextField

* Mandatory

Yes No

Single Line

Yes No

Save Field

Save Form

Cancel

Preview

Choose your properties for the field

Properties for: Title

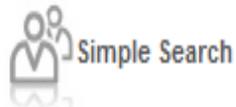
* Label	<input type="text" value="Title"/>	* Type	<input type="text" value="TextField"/>
* DC Tag	<input type="text" value="title"/>	* Mandatory	<input checked="" type="radio"/> Yes <input type="radio"/> No
Validator	<input type="text" value="No Validator"/>	Single Line	<input type="radio"/> Yes <input checked="" type="radio"/> No
Default Value	<input type="text"/>		
Tooltip	<input type="text" value="Title of item, if there is no given title; assign one, try to be unique."/>		
* Description	<input type="text" value="Title"/>		

A finished form

view:

* Title	
* Description	
Note	
* Subject (TGM)	
Subject (LCSH)	
Personal Contributor(s)	
Location	
* Identifier (File Name)	
* Original Date (YYYY-MM-DD)	
Decade	
* Original Format	
Author/Photographer	
Type	
* Box Number	
Language	
* Rights	http://library.binghamton.edu/specialcollections/documents/duplicationpolicy.pdf
Digital Collection	<input type="radio"/> Edwin A Link Jr <input type="radio"/> Marilyn C Link <input checked="" type="radio"/> Link Roberson Collection
Rights Holder	Binghamton University Libraries
* Digital Publisher	Binghamton University Libraries
* Digital Date (YYYY-MM-DD)	
* Digital Format	
Digitization Specifications	

Searching for "cubmarine" in Rosetta



Object Type:

Find:

Primary sort: Secondary sort:

1 - 10 of 10 Records

#	Title	Type	PID	SIP ID	Producer	Creation Date	
1	Submarine on display	Intellectual Entity	IE18479	7890	Demo Internal Producer	2011-03-25 07:50:00	View
2	Lifting boom on Sea Div...	Intellectual Entity	IE21715	8968	Demo Internal Producer	2011-03-26 21:05:07	View
3	Perry Cubmarine is prep...	Intellectual Entity	IE6809	3961	Demo Internal Producer	2011-03-25 03:03:06	View
4	Sea Diver II at work	Intellectual Entity	IE6812	3962	Demo Internal Producer	2011-03-25 03:03:10	View
5	Lifting boom on Sea Div...	Intellectual Entity	IE6815	3963	Demo Internal Producer	2011-03-25 03:03:15	View
6	Perry Cubmarine is rais...	Intellectual Entity	IE6818	3964	Demo Internal Producer	2011-03-25 03:03:21	View
7	Perry Cubmarine emerges...	Intellectual Entity	IE6821	3965	Demo Internal Producer	2011-03-25 03:03:25	View
8	Sea Diver II and submar...	Intellectual Entity	IE6572	3882	Demo Internal Producer	2011-03-25 02:56:45	View
9	Perry Cubmarine on Sea	Intellectual Entity	IE8564	4546	Demo Internal Producer	2011-03-25 03:47:00	View
10	Sea Diver & Deep Diver	Intellectual Entity	IE14744	6643	Demo Internal Producer	2011-03-25 06:26:56	View

Perry Cubmarine on Sea Diver ▲

Descriptive Metadata - IE DC

Title: Perry Cubmarine on Sea Diver
 Contributor: Sea Diver (Boat)
 Contributor: Perry Cubmarine (Submarine)
 Publisher: Binghamton University Libraries

Metadata here!!!



Primo at Binghamton

binghamtonuniversitylibraries

Search All Collections  Search [Advanced Search](#)

- Search All Collections
- Local Digital Collections & Catalog 
- Local Digital Collections 
- Library Catalog 
- Primo Central: Find articles and more...
- General Articles

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edwin a link

All Local Collections

Search

Advanced Search

Show only

Available in the Library (37)

Refine My Results

Topic

Link, Edwin A. (Edwin Albert), 1904-1981 (19)

Link trainers (4)

Creator

G.P.I., Link Division, Binghamton, N.Y. (66)

Link Aviation (73)

Link Aviation Devices, Inc. (341)

Link, Edwin A. (Edwin Albert), 1904-1981 (38)

Smithsonian Institution. Edwin A. Link lecture
(1st : 1964, Washington, D.C.) (18)

Show 8 more

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

Show only Available in the Library (37)



☆ Edwin A. Link

Edwin A. Link Jr. Collection
Binghamton University Libraries

Online access

Image

View Online Details Reviews & Tags More



☆ Edwin A. Link

Edwin A. Link Jr. Collection
Binghamton University Libraries

Online access

Image

View Online Details Reviews & Tags More



☆ Edwin A. Link

Link Aviation
Edwin A. Link Jr. Collection
Binghamton University Libraries

Online access

Image

View Online Details Reviews & Tags More



☆ Edwin A. Link

Edwin A. Link Jr. Collection
Binghamton University Libraries

Online access

Image

View Online Details Reviews & Tags More



☆ Edwin A. Link

Edwin A. Link Jr. Collection
Binghamton University Libraries

Same search in Binghamton's Primo

binghamtonuniversitylibraries

cubmarine

Digital Collections

Search

[Advanced Search](#)

Did you mean: [cubmarines?](#)

Creator

- [Deep Diver \(Submarine\)](#) (1)
- [Perry Cubmarine \(Submarine\)](#) (5)
- [Sea Diver \(Boat\)](#) (1)
- [Sea Diver II \(Boat\)](#) (8)

Subject (TGM)

- [Boats](#) (9)
 - [Crowds](#) (1)
 - [Hoisting machinery](#) (8)
 - [Motorboats](#) (3)
 - [Oceanographic research ships](#) (8)
- Show 3 more ▾

Suggested New Searches

by this author/creator:

- [Sea Diver II \(Boat\)](#)
- [Perry Cubmarine \(Submarine\)](#)
- [Deep Diver \(Submarine\)](#)
- [Sea Diver \(Boat\)](#)



10 Results for Digital Collections



Image

☆ [Perry Cubmarine on Sea Diver](#)

Edwin A. Link Jr. Collection
Binghamton University Libraries

[Online access](#)

[View Online](#)

[Details](#)

[Reviews & Tags](#)

[More](#)

Title: [Perry Cubmarine on Sea Diver](#)

Author: [Sea Diver \(Boat\)](#) ; [Perry Cubmarine \(Submarine\)](#)

Is Part Of: Edwin A. Link Jr. Collection

Description: [Perry Cubmarine on Sea Diver](#).

Publisher: Binghamton University Libraries

Format: 1 photograph : b&w ; 20.5 X 25 cm.
image/jp2

Language: English

Source: Rosetta

Subject (TGM): Boats

Descriptive Metadata - IE DC

Title: Perry Cubmarine on Sea Diver
 Contributor: Sea Diver (Boat)
 Contributor: Perry Cubmarine (Submarine)
 Publisher: Binghamton University Libraries



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

Rosetta in an Academic Library | IGeLU 2011 | 11 September 2011

This presentation was a collaborative effort within Binghamton University Libraries by Edward Corrado, John Meador, Sandy Card, and Ashley Marcin.

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