

# Brittle Books Page-Turner

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# Outline

- history of brittle books digitization
- technological overview
- BBPT web application demo
- use of METS in BBPT
- next steps

# Brittle Books: Selection, Triage and Treatment

- Selection: Where do these books come from?
- Triage: How do we know they're brittle?
- Treatment: And what will we do with them if they are?

# Status of the Problem

- 14-21% of IUB Main Library Collections show severe brittleness.
- Approx. 420,000 - 630,000 vols. in Main.
- As many as 1.5 million system wide

# Capacity for Treatment

- Enclosures: up to 20,000 / year
- Includes ALF fill and Shelf prep.
- ALF-R: safe handling and environment
- Scanning: up to 100 vols. / year

# Using that capacity

- High-volume tools (Enclosures, ALF) for moderating the brittle books problem.
- Low-volume tools (Reformatting) for solving the brittle books problem.
- So... we have to be selective.

# Some lessons learned

- Quota systems break both ways - limiting reformatting for desirable items, and bringing in undesirable items.
- Regular review cycles don't always match up to needs and timelines for reformatting.

# Some lessons learned

- Reformatting is often needed “on-demand”
- Circulation can be a poor indicator of demand.
- Collection managers liaisons with faculty and other patrons are best indicator of need.



# Brittle Books: Selection, Triage and Treatment

<p><b>Selection</b></p>	<p>Collection Managers and Patrons</p>
<p><b>Triage</b></p>	<p>Preservation Department</p>
<p><b>Treatment</b></p>	<p>Preservation Department DLP</p>

# (Big? Audacious?) Goal

- Reformat every item that is specifically selected by a collection manager.

# Over the transom

Severely Damaged	Rarity or Scholarly Need	Artifactual Value	Treatment
NO	NO	NO	Enclosure and return to Circulation
		YES	Enclosure and return to Circulation
	YES	NO	Enclosure and return to Circulation
		YES	Enclosure and ALF-R
YES	NO	NO	Enclosure and ALF-R
		YES	Enclosure and ALF-R
	YES	NO	Enclosure, ALF-R, and Digital Fascimile
		YES	Enclosure, ALF-R, and Digital Fascimile

# The past

- Many different approaches taken since 1998.
- 450 vols digitized. 300-400 are easy candidates for retrospective addition to the new system. Remainder involve rights or other issues that are harder to resolve.
- Era of big microfilming grants is ending, but the era of big preservation digitization grants is still taking shape.

# The present

- Transition from analog (paper to paper) to digital (paper to digital) reformatting.
- This requires much more attention to bibliographic control, rights, and care of the original object.
- This also enables genuine preservation reformatting: durable, easily replicated copies from a reliable and accurate master.

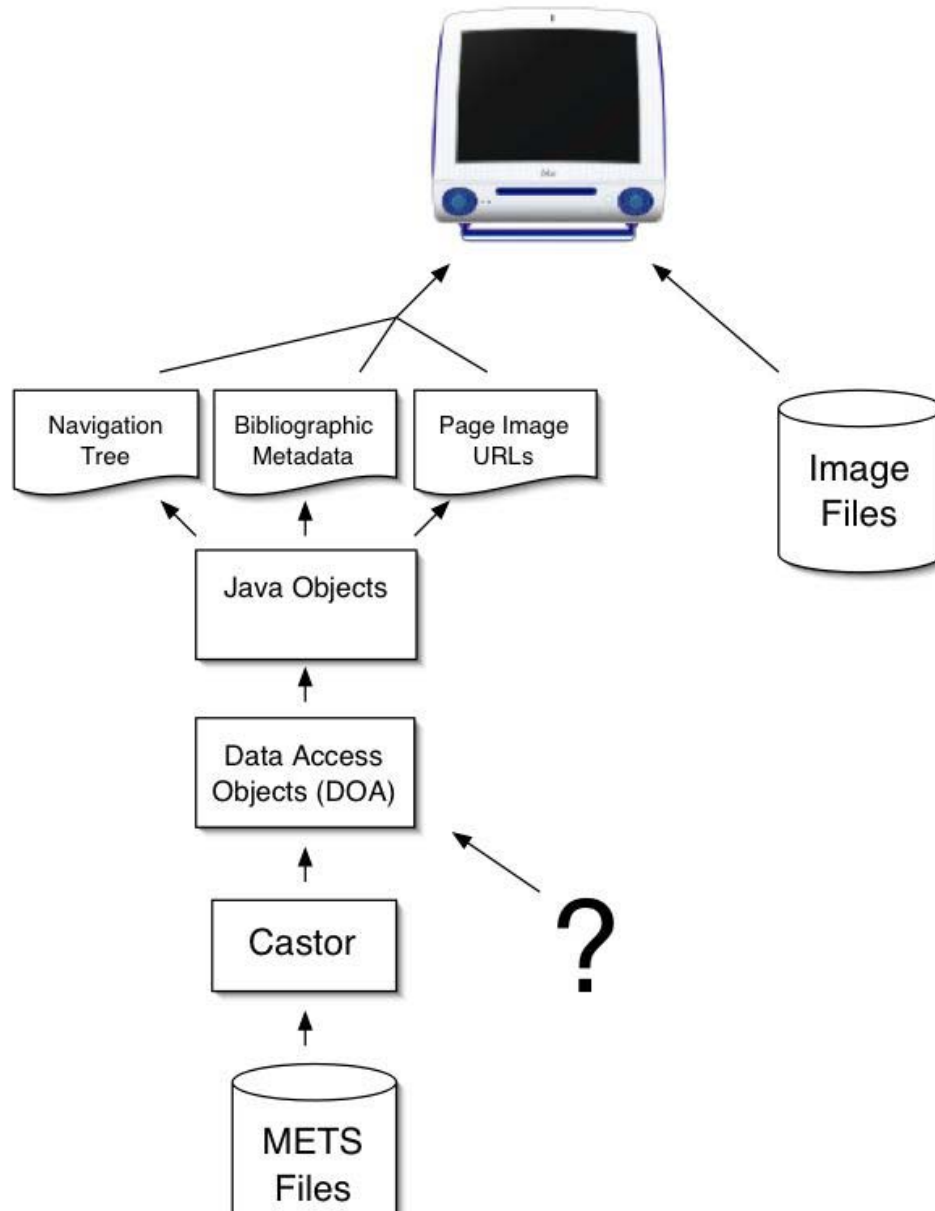
# The Future!

- Starts with the page turner John will be showing today.
- Immediate future is creating the workflow for using this new tool.
- Longer range is increasing our reformatting volume, through some combination of increased staffing, improved equipment, or contracting for services.

# Technological Overview

- Programming Language: Java  
(<http://java.sun.com/>)
- Web Application Framework: Struts  
(<http://struts.apache.org/>)
- Java & XML Data Binding: Castor  
(<http://www.castor.org/>)
- Build & Deployment Platforms: Ant  
(<http://ant.apache.org/>) & Tomcat  
(<http://jakarta.apache.org/tomcat/>)

# Application Structure





# Demo

- Caveat: The demo is an unfinished prototype.
- <http://iucats.iu.edu/>

# Next Steps

- create data entry tool for preservation staff to enter structural metadata for METS documents
- work with other units (e.g., preservation, tech services) to establish work flow procedures
- add more digitized brittle books to BBPT
- generalize and document Web application for use with other collections and for distribution to