Overcoming Risk in Shared Print Programs
Adequate Number of Copies

Record Quality & Accuracy

https://www.flickr.com/photos/68103485@N05/6197933357
Cataloging & Validation

FROM CARD CATALOG TO THE BOOK ON THE SHELF

The card catalog is an alphabetical list of books found in the library.

The three ways of finding a book in the catalog:
1. Under author's surname
2. Under title of book
3. Under subject with which book deals

The call number directs you to the shelf section on the shelf and is found in the upper left-hand corner of the catalog card also on the back of the book which lies on the shelf.

Arrangement of books:
A numerical system is followed in correct order of classification

Reference materials are not used to form used.

Image source: https://www.flickr.com/photos/68103485@N05/6208388149
Retention Commitments
Withdrawal & Last Copy Policies

Loss Rates
Storage Condition
Current Condition
Assessing the Physical Condition of the National Collection

• Amount Awarded: $540,000
• Duration Jan 2019 – May 2022
• Mellon Foundation Funding
• Description:

The research project will provide data to objectively assess the condition of the books held in the United States by performing an in-depth scientific analysis on a representative sample.

The physical, chemical and optical data will help ensure that large-scale withdrawal of materials does not compromise the overall robustness of cultural heritage collections, informing the shared print, preservation and digitization communities.
Research Library Partner Institutions

- Cornell University
- University of Miami
- University of Washington
- Arizona State University
- University of Colorado at Boulder

- Data librarian and statistician from EAST (formerly Northeast Regional Library Print Management Project) contributing to the data analysis
Test Methodology

- **Size exclusion chromatography (SEC)**
  - Measures the molecular weight that corresponds to loss of physical integrity in paper.
- **Ultraviolet / Visible spectroscopy (UV/VIS)**
  - An optical measure of the difference between volumes held in different locations, (potential for moving towards completely non-invasive)
- **Acidity - pH**
  - The PRTD developed mini-pH test using a much smaller sample than previously required
- **Tensile testing**
  - A far better predictor of paper stability than the commonly used fold test.
- **Infrared Spectroscopy (IR)**
  - IR spectra measures specific changes at the molecular.
  - *We can instantly see if the volumes are made from the same paper.*
Field evaluations or “stack tests”

- In addition to laboratory tests, this study will feature a series of field evaluations or “stack tests” designed to assess the relative condition of monographs in the stacks, without requiring them to be brought to the laboratory.

- Stack tests have three further constraining factors. *They must be:*  
  1. Inexpensive, so that they can be readily available at multiple sites,  
  2. Quick, so that their results can be useful in decision-making,  
  3. Simple to perform.

- *Tests will include:*  
  - pH pen/other — to assess the accuracy and ease of use  
  - Optical test using an inexpensive (potentially a phone app)  
  - Fold or bend testing for strength
Visual & Bibliographic Assessment

<table>
<thead>
<tr>
<th>Book Condition Checklist</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sample ID:</td>
</tr>
<tr>
<td>Imprint:</td>
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<tr>
<td>Paper Removed:</td>
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<tr>
<td>Title:</td>
</tr>
<tr>
<td>Author:</td>
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<tr>
<td>Volume/Adviser:</td>
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<tr>
<td>Copyright/Publication Date:</td>
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<tr>
<td>Publisher:</td>
</tr>
<tr>
<td>Dimensions (Height):</td>
</tr>
<tr>
<td>Enclosures (if any):</td>
</tr>
</tbody>
</table>

### Description

- **Binding:**
  - Original
  - Paperback
  - Hardcover
  - Other:
- **Overall Color:**
  - Red
  - Orange
  - Yellow
  - Blue
  - Green
  - Purple
  - Black
  - White
  - Multi
- **Leaf Attachment:**
  - String
  - Adhesive
- **Book:**
  - Printing ink
  - Black
  - Color
  - Obvious Multiple Papers
  - Illustrations
  - Appended Additions
  - Paper: Calendared
  - Other:

### Condition

- **Cover:**
  - Worn edges
  - Warped
  - Damaged corners
  - Damage: torn, lifting, peeling
  - Faded
  - Form
  - Partially detached
  - Worn
  - Spine
  - Other:
- **Spine:**
  - Stained
  - Obvious repair
  - Broken Spine
  - Notations
- **Textblock:**
  - Written annotations: Major, Minor
  - Stained
  - Loosening
  - Unbound
  - Fading
  - Water damage
  - Obvious repair
  - Changes in ink (age, fading, offset, strike-through)
  - Binding (crumbling)
  - Untrimmed
  - Paper color:
    - White
    - Cream
  - Other:
  - Loose pages
  - Damaged pages
  - Other:
  - Paper color:
    - White
    - Cream
    - Apparent overall yellowing