Title
Many Horses: Context Collisions in the Networked Catalog

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Peer reviewed
MANY HORSES:
Context Collisions in the Networked Catalog

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Mandeville Special Collections Library,  
University of California, San Diego 
and

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Metadata Librarian & Digital Archivist  
University of California, San Diego

RBMS Preconference 2011, Baton Rouge, LA, June 23
Overview

- Problem Summary
- Collisions at Macro Level
- Collisions at Micro Level
- Effects on Quality of the Catalog
Problem Summary

- Traditional catalogs
  - Local collections, local audiences, and local policies,
  - Especially special collections catalogs

- Next generation catalogs
  - Aggregation of traditional catalogs
  - Proliferation of context collisions
Collisions at the Macro Level

- Special collections catalog and machine technologies
  - Accelerates bibliographic description
  - Leads to access standards
  - Machine readable formats extended to accommodate copy specific / local information
Context Chains

Word
Sentence
Paragraph
Chapter
Book
Opera Omnia
Life and times
Readers

Data element
Data record
Catalog
Policies and practices
Collections
Community
Context Collision in Next-Gen Catalogs

Component Titles
1. TR at Baltimore
2. TR on a horse
3. TR seated at his desk
4. TR with group of sailors and soldiers

Overview
Theodore Roosevelt was the first U.S. president to have his career and life chronicled on a large scale by motion picture companies (even though his
Collision at the Micro Level

- Representative types of context collisions from UC catalogs
  - Genre terms
  - Relator terms
# UC Irvine’s Genre Term Policies

<table>
<thead>
<tr>
<th>Genre</th>
<th>Code</th>
<th>Description</th>
<th>Always</th>
<th>Women authors</th>
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<tr>
<td>Autobiographies</td>
<td>rbgenr</td>
<td>California only. Indicates place item is about</td>
<td>Always</td>
<td></td>
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<tr>
<td>Costume design drawings</td>
<td>gmgpc</td>
<td>Always use. Indicates place of publication</td>
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<tr>
<td></td>
<td></td>
<td>Cf. Fashion design drawings</td>
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<td></td>
<td></td>
<td>Emphasis is on the technical aspects of costume design. It might show</td>
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<td></td>
<td></td>
<td>details of a costume, or have actual drawings of how a costume is</td>
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<td></td>
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<td>Costume prints</td>
<td>gmgpc</td>
<td>Always use. Indicates place of publication</td>
<td>Always</td>
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<tr>
<td></td>
<td></td>
<td>Prints that depict outfits worn in stage or film productions or designed</td>
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<td></td>
<td></td>
<td>for such.</td>
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<tr>
<td>Dance notation</td>
<td>lcsh:</td>
<td>Never use.</td>
<td>Never</td>
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<tr>
<td></td>
<td>uses 655 _0</td>
<td>and no $2</td>
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<td>Emphasis is on the technical aspects of fashion design. It might</td>
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<td></td>
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<td>show details of an outfit, or have actual drawings of how a garment is</td>
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## UC Irvine’s Local Genre File

### Artists’ books
- California
- Berkeley
- 20th Century
- Women Authors
- 21st Century

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<tr>
<th>Save</th>
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<td>Artists Books California Hollywood 20th Century</td>
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<td>Artists Books California Palo Alto 21st Century</td>
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</tbody>
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Genre Comparison

Artists Books California 1970-1979
Artists Books California 1980-1989
Artists Books California 1990-1999
Artists Books California San Diego 2000-2009


UC Berkeley

UC San Diego

UCCLA
Aggregated

Browse an Alphabetical Index: Entire Collection

Browse: Subject begins with

Browse Lists: Subject begins with

<table>
<thead>
<tr>
<th>Items</th>
<th>Subject begins with</th>
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<tr>
<td>1</td>
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<td>12</td>
<td>Artists' books -- California -- Berkeley</td>
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<td>1</td>
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<td>Artists' books -- California -- Berkeley -- 2001</td>
</tr>
<tr>
<td>2</td>
<td>Artists' books -- California -- Berkeley -- 2004</td>
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</tbody>
</table>
An outline of reparation.

Author: Bill Kelly, James Renner, Michele Burgess, Brighton Press, Cave Paper (Firm)


Details

Genre/Form:
- Artists' books
- American poetry
- Color woodcuts
- Typefaces (Type evidence)
- Paste papers (Binding)

Find a copy in the library

Artists' books
American poetry
Color woodcuts
Typefaces (Type evidence)
Paste papers (Binding)
<table>
<thead>
<tr>
<th>Author</th>
<th>Title</th>
<th>Published</th>
</tr>
</thead>
</table>

Accordion fold format (Binding) ™ 1997. 2 rbgenr

Flying Fish Press.

Accordion fold format (Binding) -- 1990-1999.
Authors: Chen, Julie
Title: Leavings.
Published/distributed: Berkeley, Calif.: Flying Fish Press, 1997.
Notes: Imprint from inside surface of box.

Subject(s): Artists' books --Specimens.

Other entries: Rolik, Christine, binder
Donahue, Katharine E. S., honoree
Flying Fish Press.

Record ID: 3708714
Collection: UCLA Libraries and Collections

Location: YRL Special Collections Stacks
Call Number: N7433.4.C4313 L43 1997
Number of Items: 1
Special Collection/Archive: ABC Artists' Book Collections
Relator Term Granularity

Vocalist vs. Performer

Addressee: Adriana Lecouvreur [sound recording] / Francesco Cilea

Author: Cilea, Francesco, 1866-1950

Performers:
- Monserrat Caballé, soprano
- Janet Coster, mezzosoprano
- Plácido Domingo, tenor
- supporting soloists: Chorus national & Orchestre lyrique de Radio France; Gianfranco Masini, conductor

Note(s):
- Live performance, Paris, April 7, 1975. Also includes Act 4 finale with Caballé, José Carreras, and Attilio D'Orazi recorded in Tokyo, Sept. 20, 1976
- Sung in Italian

Other Addressee: Domingo, Plácido, 1941- Performer
Varying Granularity When Aggregated

Domingo, Plácido, 1941-
Domingo, Plácido, 1941-, Voc.
Domingo, Plácido, 1941-, Prf.
Effects on the Quality of the Catalog

- **Recall**: the fraction of all documents relevant to a query that are retrieved

- **Precision**: the fraction of all retrieved documents by a query that are relevant

- **Inference**: Ability to conclude that the set of items retrieved for a query is exhaustive
Performance of Local Catalog

Relevant Documents

Precision and Recall

Retrieved Documents
Performance of Aggregated Catalog

Relevant Documents

Retrieved Documents

Precision and Recall
Next Steps

- Statistically verify the degradation of catalog performance

- Investigate / develop methods for resolving or minimizing conflict collections
  - Look to work re: quality shareable metadata
THANK YOU!

QUESTIONS?