Introduction to Digital Library Technologies & Metadata 101

Laura Riskedahl
Metadata Librarian

9 July 2008
Mid-Atlantic Digital Library Conference
metadata n. a set of data that describes and gives information about other data. (OED, June 2008)
Egyptian "Hu"

Sun on Horizon

190 ft long
65 ft high

The nose was originally red and covered with polished stone.

It is now in the British Museum, London.

"Older than the Pyramids, older than history, the member like a constant like a watch dog looking on the east, as if for some home that has not yet seen..."

A. W. Edwards.

"On est par une clôture du royaume du Bouby (ou Cheops) que le Grand Sphinx actuellement au Musée des Antic..."

P. Pierret.

At one time it was supposed to be a monument of the reign of Dashur in the 4th dynasty but is now known to have been in existence prior to the time of Cheops."
Tagging
Grand Canyon of Pennsylvania

The view from Leonard Harrison State Park in Wellsboro, PA

Comments

Laura_kaye3 says:
beautiful fall day!
Posted 1 second ago. ( perm link | delete | edit )

Add your comment

Additional information

- All rights reserved (edit)
- Anyone can see this photo (edit)
- Place this photo on a map
- Taken with a Canon PowerShot A530
- Taken on October 8, 2007 (edit)
- Photo stats
- Viewed 9 times (Not including you)
- Edit title, description, and tags
Art:21 | Matthew Barney

Matthew Barney is best known as the producer and creator of the "CREMASTER" films. The title of the films refers to the muscle that raises and lowers the male reproductive system according to temperature, external stimulation, or fear. The films themselves are a grand mixture of history, autobiography, and mythology— a universe in which symbols are densely layered and interconnected.

Matthew Barney is featured in the Season 1 episode "Consumption" of the Art21 series "Art:21 – Art in the Twenty-First Century".

For more information: http://www.pbs.org/art21

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Category: Entertainment

Tag: contemporary visual art artist art21 PBS television TV series documentary video performance installation
Why is metadata so important?

Because it’s all about the user!!!
Why a digital library?

- Access
- Preservation
- Marketing
- Collaboration
Why is authority control so important? Why can’t we just rely on keyword searching?
Pop

Coke

Soda Pop

Soda

Soft Drink
Generic names for Soft Drinks
by county

Most Popular Term Used

Map based upon
120,464 Respondants

Respondents through
March 1, 2003

Map by Matthew T. Campbell
Spatial Graphics and Analysis Lab
Department of Cartography and Geography
East Central University (Oklahoma)
Map Template courtesy of www.mymaps.com
Authority Files & Thesauri

Traditional Cataloging

LCSH

LC Authorities

Metadata Cataloging

TGM
AAT
MeSH
LCSH

TGN
ULAN
LC Authorities
So, since metadata librarians use LCSH and LC Authorities, why can’t we use MARC too?
NECESSARY
DISCLOSURES

the
SELF

the
STATE
Random order: Robert Rauschenberg, artist, and the neo-avant-garde

Joseph, Brendan Wayne.

Publisher: MIT Press,
Pub Date: c2003.
Pages: 418 p. ill., 24 cm.

ISBN: 0262600995

Item info: 1 copy available on LL.
2 copies on 1st floor in all locations.

Holdings

- Change Holdings Display

Call number: E657 .R27 .R37 2003

Summary

"Robert Rauschenberg is one of the most important visual artists of the second half of the twentieth century. In Random Order, Brendan Joseph examines Rauschenberg's work in the context of the American neo-avant-garde. One of the foundations of this study is Rauschenberg's professional relationship with experimental composer John Cage. From the moment of their encounter at Black Mountain College in 1952, Joseph argue, Rauschenberg and Cage initiated a new avant-garde project that questioned the traditional notion of work as a work of art. This new approach to art, Joseph shows, was not simply a departure from the traditional avant-garde aesthetics - Joseph turns to the theoretical position of Gilles Deleuze and Jacques Derrida. Rauschenberg's neo-avant-garde was not a simple re-creation of avant-garde aesthetics, Jospeh shows, but a new kind of avant-garde that opened the idea of participatory action, socialization, and manipulation to the public.

"Beginning with the White Paintings, Joseph examines Rauschenberg's artistic development from 1954 to 1971. His look at the black paintings, Red Paintings, and Elemental Paintings is a visual one that adds to our understanding of the entire neo-avant-garde project." --BOOK JACKET.

Author Biography

Brandyn Wayne is Assistant Professor in the Department of Art History at the University of California, Irvine, and an editor of the Journal of Art History (MIT Press). Distributed by Syndetic Solutions, Inc.

Personal Author: Joseph, Brendan Wayne.

Title: Random order: Robert Rauschenberg, artist, and the neo-avant-garde / Brendan N. Joseph.


Physical details: 418 p. ill., 24 cm.


Bibliography: Includes bibliographical references (p. 1079-1108) and index.

Personal subject: Rauschenberg, Robert, 1925- - Criticism and interpretation.

Added author: Rauschenberg, Robert, 1925-.
Personal Author: Joseph, Branden Wayne.

Title: Random order : Robert Rauschenberg, artist, and the neo-avant-garde

Publisher: MIT Press.
Pub date: c2003.
Pages: xiii, 418 p. : ill. ; 24 cm.

General Note: "An October book."

Bibliography note: Includes bibliographical references (p. [379]-408) and index.

Personal subject: Rauschenberg, Robert, 1925- -- Criticism and interpretation.

Added author: Rauschenberg, Robert, 1925-
**Creator:** Robert Rauschenberg, North American; American, 1925 – 2008

**Title:** Reservoir

**Work Type:** Paintings

**Date:** 1961

**Material:** oil, wood, graphite, fabric, metal, and rubber on canvas

**Measurements:** 85 1/2 x 62 1/2 x 15 1/2 in. (217.2 x 158.7 x 39.4 cm.)

**Repository:** Smithsonian American Art Museum
Washington, DC, USA
Gift of S. C. Johnson & Son, Inc.
1969.47.70
http://americanart.si.edu/index3.cfm

(Image and Data taken from ArtStor)
Random order : Robert Rauschenberg, artist, and the neo-avant-garde

Joseph, Branden Wayne.

Publisher: MIT Press.
Pub date: c2003.
Pages: xii, 418 p.; ill.; 24 cm.
ISBN: 0262100951
Item info: 1 copy available in LLL.

Holdings
Call number
HC587 .R27 J63 2003

Summary
"Robert Rauschenberg examines the American context of the artist's work of the 1960s and 70s, a period of negation but also a time of great creativity. The book discusses the artist's work in terms of the development of the visual arts, focusing on his use of a wide range of materials and techniques."

Personal Author: Joseph, Branden Wayne.
Title: Robert Rauschenberg, artist, and the neo-avant-garde.
Physical description: xii, 418 p.; ill.; 24 cm.
Bibliography note: Includes bibliographical references (p. 379-408) and index.
Personal subject: Rauschenberg, Robert, 1925--Criticism and interpretation.
Added author: Rauschenberg, Robert, 1925-
Without standardized encoding, it is difficult to manage indexing, display, and manipulation of files. Consistency of presentation also improves user understanding of the purpose and scope of inventories just as the standardized display of library catalogs makes them comprehensible to a large and diverse audience.

--Michael J. Fox, *The EAD Cookbook*, 2003
Dublin Core

15 Elements

- contributor
- coverage
- creator
- date
- description
- format
- identifier
- language
- publisher
- relation
- rights
- source
- subject
- title
- type
XML...

- Tags
  `<element>data</element>`

- Hierarchal (nested)
  `<element1>data
    `<element2>data
      `<element3>data</element3>
    </element2>
  </element1>`

- XML is a language that many metadata schemas use:
  - CDWA, EAD, MARCXML, METS, MODS
Apply an XSL stylesheet (which provides rules for the Formatting of the XML file) and you will have an HTML output!
Register of the David DeKok Collection:  
An Inventory of the Papers Concerning the Centralia, Pennsylvania Mine Fire

TABLE OF CONTENTS

Collection Summary
Biographical Note
Scope and Contents of the Collection
Arrangement of the Papers
Index Terms
List of Significant Items
Selected Listing of Published Sources
Container Listings

Collection Summary

Repository: Special Collections, Ellen Clarke Bertrand Library, Bucknell University, Lewisburg, Pennsylvania
Creator: David DeKok
Title: Register of the David DeKok Collection: An Inventory of the Papers Concerning the Centralia, Pennsylvania Mine Fire
Dates: 1950 - 1986
Report: 1979 - 1986
Extent: Approx. 17 color pages
Abstract: The papers in this collection trace the production of DeKok's book "Unseen Danger: A Tragedy of People, Government and the Centralia Mine Fire."
The papers also chronicle the political, environmental, and emotional struggles of the citizens of Centralia.

Identification:
Language: English

Biographical Note


Digital Libraries can be:

- Digital Asset Management Systems (DAMs)
  - ArtStor
  - LUNA
  - Greenstone
  - MDID
  - ContentDM
- Electronic Records Management Systems (ERMs)
- Open Source applications
  - Archivist’s Toolkit
  - DSpace
  - Fedora
What does a Digital Asset Management System look like?

• Some browser-based, some require a software installation
• Some have a user interface and an administrative interface, some just have the administrative part
• Require a back-end server
Screenshots from Mark Matienzo, American Institute of Physics

www.archiviststoolkit.org
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<thead>
<tr>
<th>Issue Date</th>
<th>Title</th>
<th>Communities</th>
<th>Author(s)</th>
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<tbody>
<tr>
<td>16-Apr-2008</td>
<td>Role of Climate Change in Spreading Disease</td>
<td>Bucknell University</td>
<td>Bizzorno, Marie</td>
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<td>7-Apr-2008</td>
<td>'Climate Commitment' Signed, Green Steps Announced</td>
<td>Bucknell University</td>
<td>-</td>
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<td>7-Apr-2008</td>
<td>List of Community Participants – Campus Sustainability Celebration</td>
<td>Bucknell University</td>
<td>-</td>
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<td>7-Apr-2008</td>
<td>RUEC (Ritter House) Solar Installation</td>
<td>Bucknell University</td>
<td>Davies, Fournier, Eric Colin; Scott, DiStefano, Thomas Joes</td>
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<td>7-Apr-2008</td>
<td>We Grow Up Too Fast in NYC #3</td>
<td>Bucknell University</td>
<td>Sugarman, Brittany</td>
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<td>7-Apr-2008</td>
<td>Building Design and Energy Use</td>
<td>Bucknell University</td>
<td>Buonopane, Stephen</td>
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<td>7-Apr-2008</td>
<td>Focus the Nation 2008 Promotional Spot</td>
<td>Bucknell University</td>
<td>Scott, Jessica</td>
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<tr>
<td>7-Apr-2008</td>
<td>Announcement of Bucknell University's Commitment to the Environment</td>
<td>Bucknell University</td>
<td>Mitchell, Brian C.</td>
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<td>1-Apr-2008</td>
<td>Reson Spectrum – Volume 1, Issue Y</td>
<td>Bucknell University – Student Publications; Bucknell University</td>
<td>-</td>
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<tr>
<td>27-Mar-2008</td>
<td>Analysis of Overwash Fan Deposits on Hatteras and Ocracoke Islands, Cape Hatteras National Seashore, N.C.--A Sedimentary Record of Tropical and Extratropical Storm Deposition along the Atlantic Coast and Variation with Shoreline Orientation</td>
<td>Bucknell University</td>
<td>Smith, Stephen G.; Kassab, Christine M.; Kochel, R.; Craig, Trap, Jeffrey M.</td>
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Title: Role of Climate Change in Spreading Disease

Authors: Pizzorno, Marie

Keywords: Focus the Nation
Focus the Nation 2008
drought
climate change
global warming
communicable diseases
biology
insects
animals

Issue Date: 16-Apr-2008

URI: http://hdl.handle.net/10090/4682

Appears in Collections: Bucknell University - Focus the Nation

Files in This Item:

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<tr>
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<th>Description</th>
<th>Size</th>
<th>Format</th>
<th>View/Open</th>
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</thead>
<tbody>
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<td>Presentation Notes</td>
<td>30Kb</td>
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<td>Microsoft Powerpoint</td>
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<td>Pizzorno.pdf</td>
<td>Video of Presentation</td>
<td>67Kb</td>
<td>Adobe PDF</td>
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</table>
Fedora

Back-end server; each Institution/organization creates their own interface
[George Washington ribbon]

Fair: Centennial Exhibition (1876 : Philadelphia, Pa.)

Description: Badges: color; 22.5 x 6.4 cm.

Format: Badges

Notes: Profile of George Washington bust profile woven in gold thread; printed American flag with 13 stars and 14 stripes on silk ribbon

Content: Art

Content: Badges

Content: Ephemera

People: Washington, George, 1732-1799

Paging 1876-phi-08-0371

Number:

Location: Box E

To cite or link to this item, use this identifier:
http://hdl.handle.net/1903.1/343

This is a project of the Office of Digital Collections and Research > University Libraries > University of Maryland

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www.fedora-commons.org
Title: Dean Young Reading, 1996

Author(s)/Speaker(s): Young, Dean (United States, poetry) 1955 -

Format: Reading

Series: N/A

Location: N/A

Year: 1996

Topics: poetry, writing

Description: Poet and Writers' Workshop faculty member Dean Young reads a selection of poems from Beloved Infidel, Strike Anywhere, and First Course in Turbulence.


General Notes: Recorded March 4, 1996.

Language(s): English

Contributors: N/A

Original Format: audio cassette tape

Length: 53 min.

Digitizer's Name: KS

Date Digitized: November 15, 2004

Play Audio
## Browse Collections

### Collection: Battles and Leaders of the Civil War

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<thead>
<tr>
<th>Field</th>
<th>Event Reference</th>
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<table>
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<tr>
<th>Event Reference</th>
<th>Description</th>
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<tbody>
<tr>
<td>Battle of Shiloh (Pittsburgh Landing), April 6-7, 1862</td>
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<tr>
<td>Battle of the Wilderness, May 5, 1864</td>
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<tr>
<td>Battle of Cold Harbor, June 3, 1864</td>
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<tr>
<td>Stone's Invasion of Kentucky, Autumn, 1862</td>
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<tr>
<td>Campaign for Charleston Harbor, August 17 - September 7, 1863</td>
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<tr>
<td>Capture of New Orleans, April 24-25, 1862</td>
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<tr>
<td>Fall of Port Royal, April 12-13, 1861</td>
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<tr>
<td>Port Royal Campaign, July - August, 1862</td>
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<tr>
<td>Peninsula Campaign, March - July, 1862</td>
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<tr>
<td>Sherman's March to the Sea, November 15 - December 22, 1864</td>
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<td>Siege of Petersburg and Richmond, June 25, 1864 to April 2, 1865</td>
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QUESTIONS?

contact me at laura.riskedahl@bucknell.edu