

What does this record describe?

*Dublin Core record retrieved
via the OAI Protocol*

- identifier:** [http://name.university.edu/IC-FISH3IC-X0802\]1004_112](http://name.university.edu/IC-FISH3IC-X0802]1004_112)
- publisher:** Museum of Zoology, Fish Field Notes
- format:** jpeg
- rights:** These pages may be freely searched and displayed. Permission must be received for subsequent distribution in print or electronically.
- type:** image
- subject:** 1926-05-18; 1926; 0812; 18; Trib. to Sixteen Cr. Trib. Pine River, Manistee R.; JAM26-460; 05; 1926/05/18; R10W; S26; S27; T21N
- language:** UND
- source:** Michigan 1926 Metzelaar, 1926--1926;
- description:** Flora and Fauna of the Great Lakes Region
-

Orig. No. 460 Sta. No.

Locality Michigan: Trib. to Sixteen Cr., Sec. 26-27,
T. 21N. R. 10W., Wexford Co.

Trib. Pine River → Mainstem

Water: mostly spring-fed; clear, spring floods rather
some surface rather bad.

Vegetation: not much at absolutely nothing

Bottom: sand; no mud, rather deep. Temp. 47° air 62°

Shore: mostly cleared → farms & some brush Current: ~~1~~ ft

Distance from shore: across width 4 ft Tide:

Depth of capture: Depth of water: 6 in! ft.

Method of capture:

Collected by Mitchell Date: V: 18: 1926

Orig. preserv. Time:

Animal life subnormal

Metadata for You and Me: Moving Towards Shareable Metadata

Jenn Riley, Indiana University

Sarah Shreeves, University of Illinois at Urbana-
Champaign

Ohio Valley Group of Technical Services Librarians
Annual Conference

May 11, 2006

Why share metadata?

- Benefits to users
 - One-stop searching
 - Aggregation of subject-specific resources
- Benefits to institutions
 - Increased exposure for collections
 - Broader user base
 - Bringing together of distributed collections

Don't expect users will know about your collection and remember to visit it.



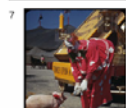
Collection Registries



Cushman ID No.: 947.14
Roll No.: 9-47
Date: Aug. 10, 1947
Location: Chicago, Illinois, United States (Cook county)
Description: Circus Clown and black Pooodle
[view details](#)

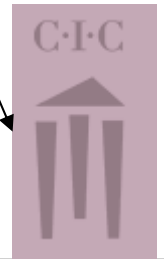


Cushman ID No.: 947.15
Roll No.: 9-47
Date: Aug. 10, 1947
Location: Chicago, Illinois, United States (Cook county)
Description: Clown Felix Adler
[view details](#)



Cushman ID No.: 947.16
Roll No.: 9-47
Date: Aug. 10, 1947
Location: Chicago, Illinois, United States (Cook county)
Description: Clown Felix Adler and bottle fed pig
[view details](#)

Photograph from
Indiana University
Charles W. Cushman
Collection





Search: illinois cushman

GO

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[Advanced Web Search](#)

Hello Sarah L. Shreeves. [Click here](#) if this is not you

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| <input type="checkbox"/> People | <input type="checkbox"/> Blog Search | <input type="checkbox"/> Wikipedia | <input type="checkbox"/> Your History | <input type="checkbox"/> Your Diary | <input type="checkbox"/> Your Bookmarks |
| <input checked="" type="checkbox"/> DLF MODS Portal | <input type="checkbox"/> More Choices... | | | | |

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CUSHMAN PAGE

Karen **Cushman** was born in Chicago, **Illinois**. As a child, she learned about the public library very early. She would go alphabetically down the shelves and ... <http://www.scils.rutgers.edu/~kvander/cushman.html> - 15k Cached [Site Info](#)

Karen Cushman

Karen **Cushman** was born in Chicago, **Illinois** and lives now on Vashon Island west of Seattle, Washington. She received an MA in human behavior and one in ... <http://www.houghtonmifflinbooks.com/catalog/author/detail.cfm?authorID=1451> -

Image Results

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Digital Library Federation MODS Portal

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1 - 10 of about 2,488

Cairo, Illinois . Court House. Cairo, Ill.

Title: Cairo, **Illinois**. Court House. Cairo, Ill.
Alternative Title: County [...] House. **Author/Creator:** **Cushman**, Charles Weever, 1896-1972, photographer, pht **Type:** [...] Fire hydrants **Subject:** **Hierarchical:** United States; **Illinois**; Alexander; Cairo Junction **Identifier:** 1952.14; P06185 [...] **URL:** <http://purl.dlib.indiana.edu/iudl/archives/cushman/P06185>
Rights: Copyright and reproduction rights for all [...] W. **Cushman** photographs are held by Indiana University and administered by the University [...] Indiana University Digital Library Program: Charles W. **Cushman** Photograph Collection [...]

Cairo, Ill. Honey locust ? St. Mary's Park. Cairo, Ill.

[...] tree ? (with pods) in St. Mary's Pk.
Author/Creator: **Cushman**, Charles Weever, 1896-1972, photographer, pht **Type:** [...] (Botany); Acacia **Subject:** **Hierarchical:** United States; **Illinois**; Alexander; Cairo Junction **Identifier:** 1952.13; P06184 [...] **URL:** <http://purl.dlib.indiana.edu/iudl/archives/cushman/P06184>
Rights: Copyright and reproduction rights for all [...] W. **Cushman** photographs are held by Indiana University and administered by the University [...] Indiana University Digital Library Program: Charles W.

Shareable metadata defined

- Promotes search interoperability - “the ability to perform a search over diverse sets of metadata records and obtain meaningful results” (Priscilla Caplan)
 - Is human understandable outside of its local context
 - Is *useful* outside of its local context
 - Preferably is machine processable
-

Two efforts to promote shareable metadata

- Best Practices for Shareable Metadata (Draft Guidelines)

- <http://oai-best.comm.nsd.gov/cgi-bin/wiki.pl?PublicTOC>

- Implementation Guidelines for Shareable MODS Records (also draft guidelines)

- http://www.diglib.org/aquifer/DLF_MODS_ImpGuidelines_ver4.pdf

Finding the right balance

- Metadata providers know the materials
 - Document encoding schemes and controlled vocabularies
 - Document practices
 - Ensure record validity
 - Aggregators have the processing power
 - Format conversion
 - Reconcile known vocabularies
 - Normalize data
 - Batch metadata enhancement
-

Metadata as a *view* of the resource

- There is no monolithic, one-size-fits-all metadata record
 - Metadata for the same thing is different depending on *use* and *audience*
 - Affected by format, content, and context
 - Harry Potter as represented by...
 - a public library
 - an online bookstore
 - a fan site
-

Choice of vocabularies as a *view*

■ Names

- LCNAF: Michelangelo Buonarroti, 1475-1564
- ULAN: Buonarroti, Michelangelo

■ Places

- LCSH: Jakarta (Indonesia)
- TGN: Jakarta

■ Subjects

- LCSH: Neo-impressionism (Art)
 - AAT: Pointillism
-

Choice of metadata format(s) as a *view*

- Depends upon:
 - nature of materials and holding institution
 - depth of description needed
 - community practice
 - relationships between multiple versions
 - need for repeating elements
 - technical environment
 - MARC, MODS, Dublin Core, EAD, and TEI may all be appropriate for a single item
 - High-quality metadata in a format not common in your community of practice is not shareable
-

6 Cs and lots of Ss of shareable metadata

Content
Consistency
Coherence
Context
Communication
Conformance

Metadata standards
(and not just DC)
Vocabulary and encoding standards
Descriptive content standards
(AACR2, CCO, DACS)
Technical standards
(XML, Character encoding, etc)

Content

- Choose appropriate vocabularies
 - Choose appropriate granularity
 - Make it obvious what to display
 - Make it obvious what to index
 - Exclude unnecessary “filler”
 - Make it clear what links point to
-

Common content mistakes

- No indication of vocabulary used
 - Shared record for a single page in a book
 - Link goes to search interface rather than item being described
 - “Unknown” or “N/A” in metadata record
-

Consistency

- Records in a set should all reflect the same practice
 - Fields used
 - Vocabularies
 - Syntax encoding schemes
 - Allows aggregators to apply same enhancement logic to an entire group of records
-

Common Consistency Mistakes

- Inconsistencies in vocabulary, fields used, etc.
 - Multiple causes
 - Lack of documentation
 - Multiple catalogers
 - Changes over time
-

Coherence

- Record should be self-explanatory
 - Values must appear in appropriate elements
 - Repeat fields instead of “packing” to explicitly indicate where one value ends and another begins
-

Common Coherency Mistakes

- Assumptions that records make sense outside of local environment
 - Use of local jargon
 - Poor mappings to shared metadata format
 - Records lack enhancement that makes them understandable outside of local environment
-

Context

- Include information not used locally
 - Exclude information *only* used locally
 - Current safe assumptions
 - Users discover material through shared record
 - User then delivered to your environment for full context
 - Context driven by intended use
-

Common context mistakes

- Leaving out information that applies to an entire collection (“On a horse”)
 - Location information lacking parent institution
 - Geographic information lacking higher-level jurisdiction
 - Inclusion of administrative metadata
-

Communication

- Method for creating shared records
 - Vocabularies and content standards used in shared records
 - Record updating practices and schedules
 - Accrual practices and schedules
 - Existence of analytical or supplementary materials
 - Provenance of materials
-


Conformance

■ To standards

- Metadata standards (and not just DC)
 - Vocabulary and encoding standards
 - Descriptive content standards (AACR2, CCO, DACS)
 - Technical standards (XML, Character encoding, etc)
-

Standards promote interoperability




http://digital.library.ucla.edu - Sheet Music OAI Service Provider Item Display - Microsoft...  Sheet Music Consortium Hosted by UCLA

You are not logged in

- Title : **Anaconda Two-Step. Souvenir Brockton Fair 1901.**
Creators : By Sylvester B. Grant.
Fisher
Publisher : Brockton, Mass.: Compliments of Old Colony Piano Co., 4 Main St.
Date : 1901
Subjects : Horses
Horse racing
Description : Respectfully Dedicated to mrs. A.E. Rice, Boston, Mass.
ads on back cover for Old Colony Piano Co.
Source : Johns Hopkins University, Lew Sheet Music Collection, Box 028, Item 003
Collection : Johns Hopkins University Lewy Collection
Add a Note :
 - add/edit a note for this record
[\[access online \]](#) - add to virtual collection

Done Internet

http://digital.library.ucla.edu - Sheet Music OAI Service Provider Item Display - Microsoft...  Sheet Music Consortium Hosted by UCLA

You are not logged in

- Title : **Anaconda : two-step for piano**
Creators : Grant, Sylvester B. [composer]
Fisher, F.
Publisher : New York : Old Colony Piano Co.
Date : c1901
Subjects : Piano music
Type : Sheet music
Description : For piano
At head of title: Souvenir Brockton Fair 1901. Respectfully dedicated to Mrs. A. E. Rice, Boston, Mass
Illustration by F. Fisher
Includes publisher's advertising
Source : Lilly Library (Indiana University, Bloomington) Starr Sheet Music Collection.
Call number: M1 .S8 II Animals Horses
Relation : [IsPartOf http://www.indiana.edu/~liblilly/starr.shtml](http://www.indiana.edu/~liblilly/starr.shtml)
Rights : <http://purl.dlib.indiana.edu/iudl/lilly/starr/rights>
Collection : Indiana University
Add a Note :

Done Internet

Before you share...

- Check your metadata
 - Appropriate view?
 - Consistent?
 - Context provided?
 - Does the aggregator have what they need?
 - Documented?

Can a stranger tell you what the record describes?

Final thoughts

- Creating shareable metadata requires thinking outside of your local box
 - Creating shareable metadata will require more work on your part
 - Creating shareable metadata will require our vendors to support (more) standards
 - Creating shareable metadata is no longer an option, it's a requirement
-

For more information

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