

Developing Shareable Metadata for DPLA

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ILLINOIS
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

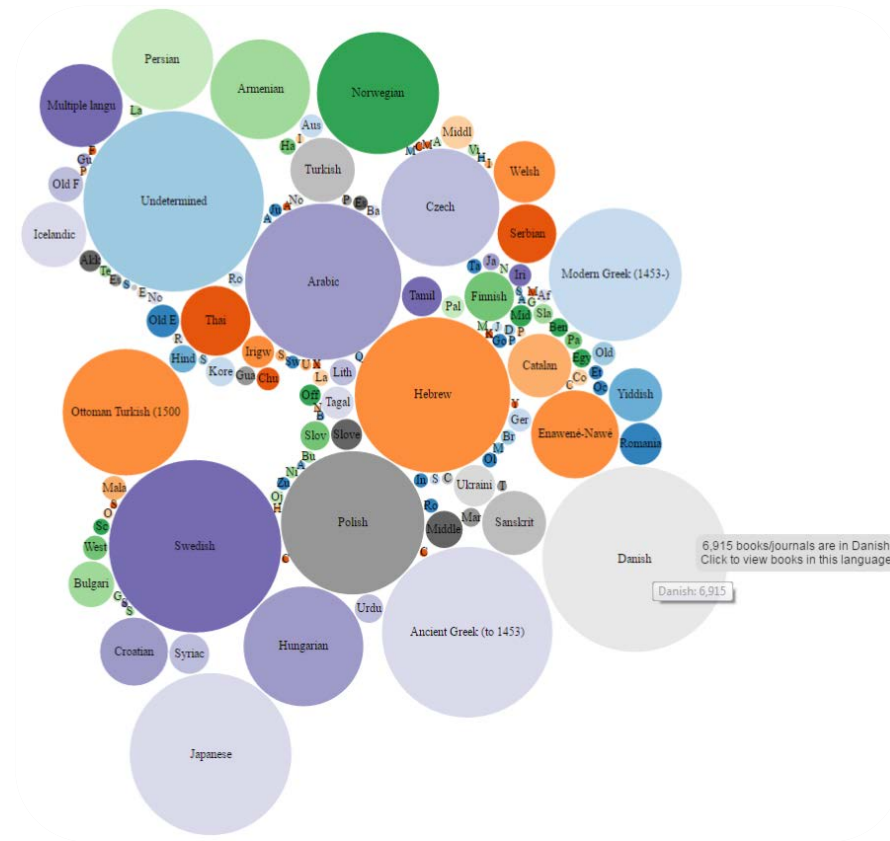
Module Overview

Part 1

- ▶ Metadata in DPLA
- ▶ Shareable Metadata
- ▶ Mapping
- ▶ Metadata Enrichment

Part 2

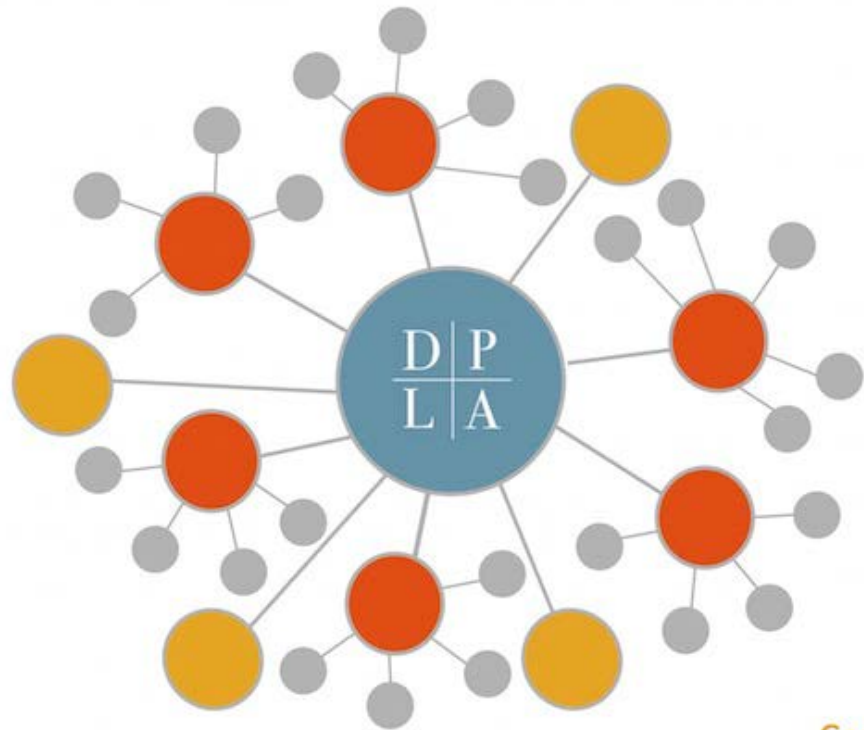
- ▶ IDHH Metadata Best Practices
- ▶ Controlled Vocabularies & Mapping
- ▶ IDHH Harvested Elements



Part 1

An Introduction to Metadata in DPLA

What Is the DPLA?



Content Hubs
Service Hubs

Service Hubs
Content Hubs

- ▶ Portal to digital resources from cultural heritage institutions across the U.S.
- ▶ Aggregator of metadata from contributors
- ▶ Providing access to more than 16 million digital resources

What Does Your Metadata Look Like in DPLA?

« back to search results

Search the Library

Barreling apples - house, grain building



Get full image from The History Center in Tompkins County

Creator	Morton, Verne
Created Date	1906
Partner	Empire State Digital Network
Contributing Institution	The History Center in Tompkins County South Central Regional Library Council
Publisher	The History Center in Tompkins County
Description	Two men packing apples into baskets and barrels, large pile of apples on the left, house and grain building in background.
Format	Photograph: glass plate neg., b+w still image
Type	image
Subject	Adults Apples Barrels
Rights	The History Center in Tompkins County holds copyright and reproductions rights. Prior written permission is required for any use of this image.
URL	http://cdm16694.contentdm.oclc.org/cdm/ref/collection/p15085coll6/id/52

« Previous Next » Save To... Share

Created Date
1906

[View on timeline »](#)



Description

Rating ★★★★★ Based on 0 rating(s)

Title **Barreling apples - house, grain building**

Description **Two men packing apples into baskets and barrels, large pile of apples on the left, house and grain building in background**

Creator **Morton, Verne**

Subject **Adults
Apples
Barrels**

NY Heritage Topic **Agriculture
Work & Labor**

Publisher of Original The History Center in Tompkins County

Date of Original **1906**

Physical Format **Negatives (photographic)**

Physical Description **Photograph: glass plate neg., b+w; 5 X 7 in (17 X 12 cm)**

Type **Still image**

Identifier N1.1419 M# 1537

Holding Institution **The History Center in Tompkins County**

Contact Information The History Center in Tompkins County, 401 East State Street, Suite 100, Ithaca, NY 14850, 607-273-8284, www.thehistorycenter.net

Publisher of Digital **The History Center in Tompkins County**

Digital Collection **Verne Morton Photograph Collection**

Library Council **South Central Regional Library Council**

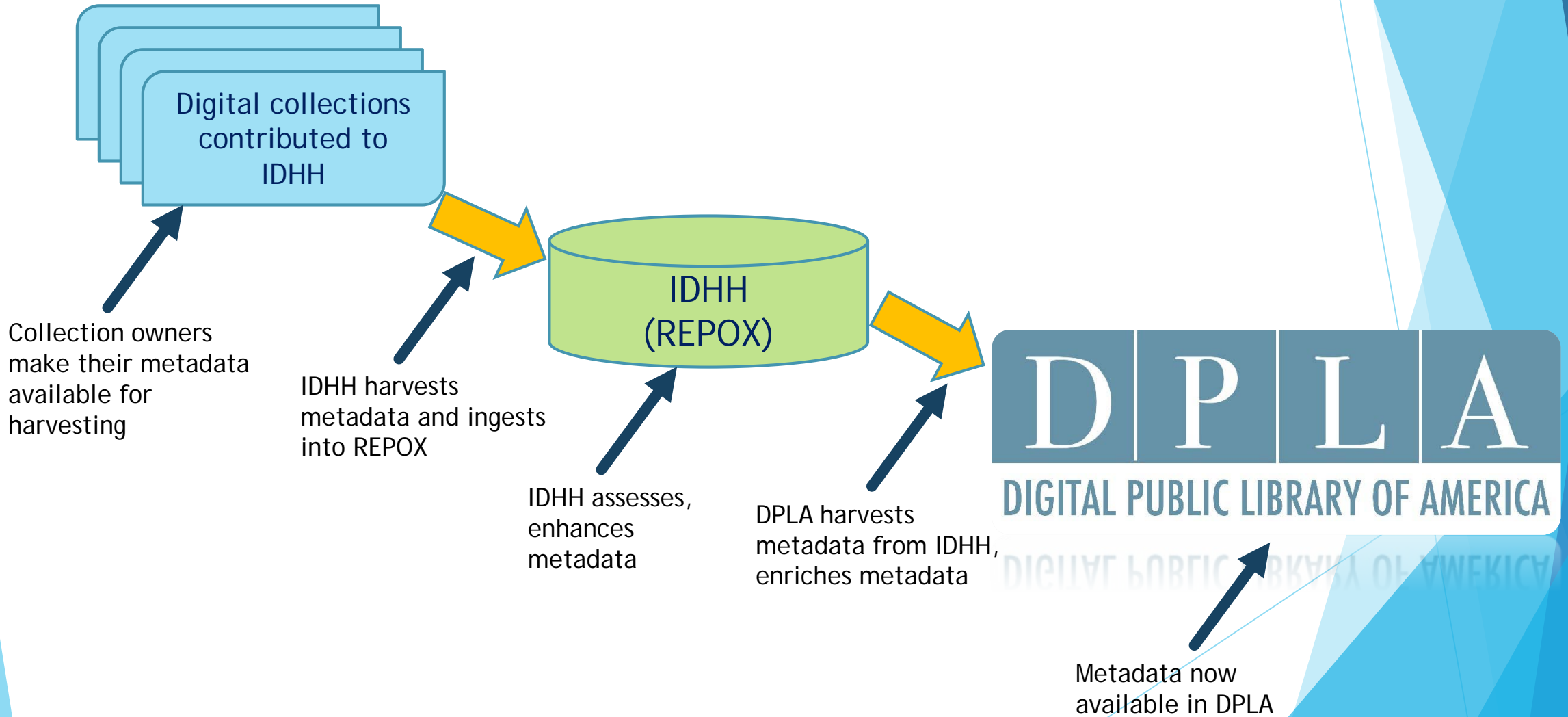
Notes Verne Morton Photograph Collection; Verne Morton Record Book, P. 62

Rights The History Center in Tompkins County holds copyright and reproductions rights. Prior written permission is required for any use of this image.

File Name **VX5001_010**

AX2001_010

Metadata: From Your CMS to DPLA



What is shareable metadata?



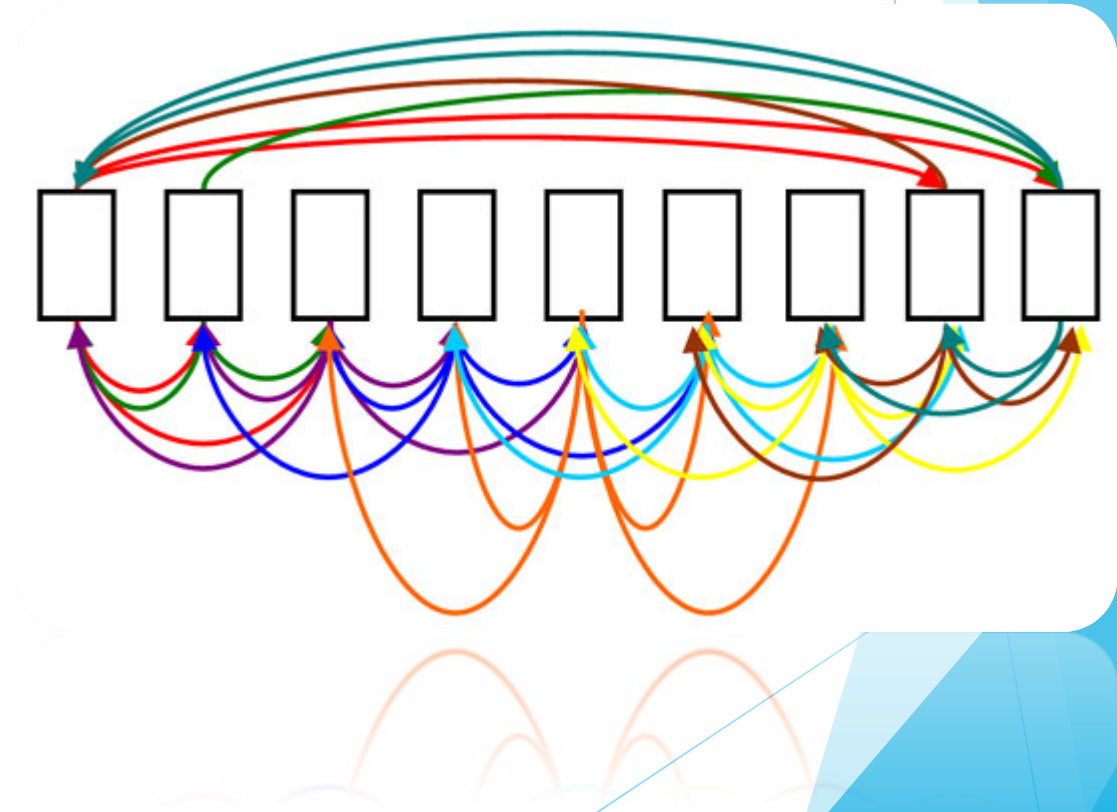
The 6 C's and Lots of S's

- ▶ Content
- ▶ Consistency
- ▶ Coherence
- ▶ Context
- ▶ Communication
- ▶ Conforms to Standards

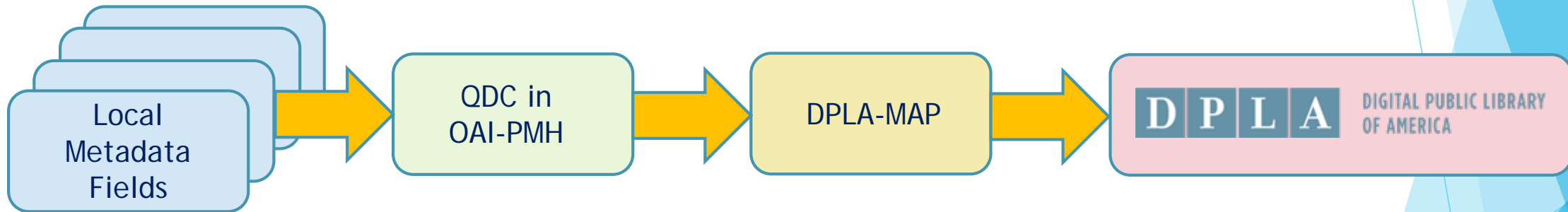
From Sarah L. Shreeves, Jenn Riley, and Liz Milewicz.
"Moving Towards Shareable Metadata."

Why Does Shareable Metadata Matter?

- ▶ Digital resources are represented well
- ▶ Links with other resources



What is mapping and why does it matter in DPLA?



Why Mapping Matters

Local Label	Dublin Core Field	Value
Audio Exists	<dc:description>	Yes
Description	<dc:description>	Color video of a field day at the University of Lautrec in the Spring semester of 1965.



DPLA Label	Dublin Core Field	Value
Description	<dc:description>	Yes Color video of a field day at the University of Lautrec in the Spring semester of 1965.

Without the local label, the meaning of the value is lost

Mapping Alternative 1: Provide Context

Local Label	Dublin Core Field	Value
Audio Exists	<dc:description>	Yes, audio exists
Description	<dc:description>	Color video of a field day at the University of Lautrec in the Spring semester of 1965.



DPLA Label	Dublin Core Field	Value
Description	<dc:description>	Yes, audio exists Color video of a field day at the University of Lautrec in the Spring semester of 1965.

There is now a context for "Yes" outside of native environment

Mapping Alternative 2: Not Available

Local Label	Dublin Core Field	Value
Audio Exists	<i>Not mapped to DC</i>	Yes
Description	<dc:description>	Color video of a field day at the University of Lautrec in the Spring semester of 1965.



DPLA Label	Dublin Core Field	Value
Description	<dc:description>	Color video of a field day at the University of Lautrec in the Spring semester of 1965.

There is now no value of "Yes" made available to DPLA.

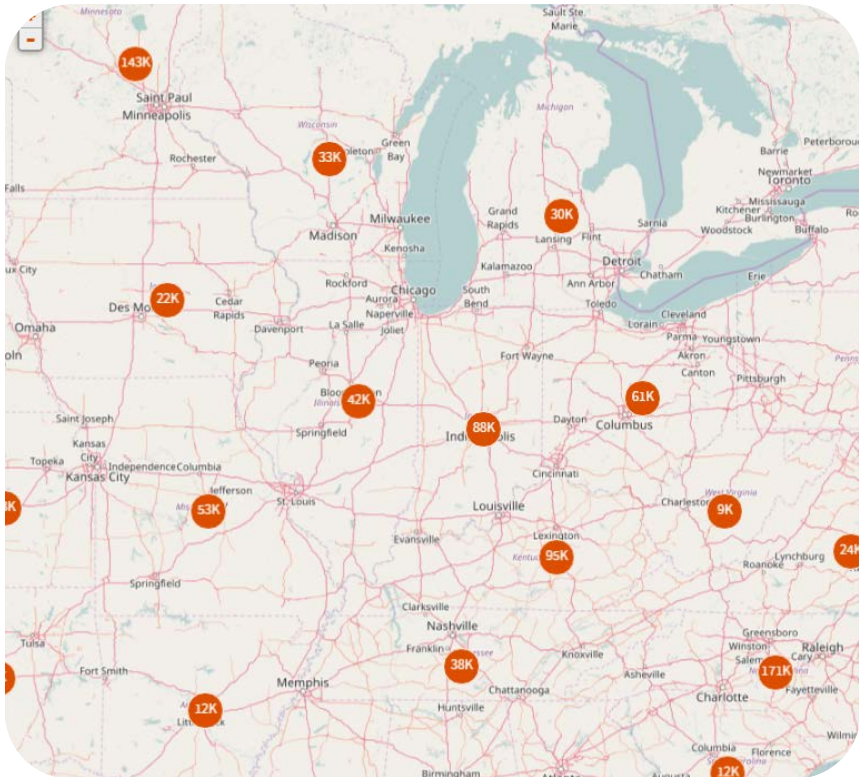
DPLA Label	DPLA Property	QDC Element	DC Element	MODS Element
Alternative Title	dcterms:alternative	dcterms:alternative	<i>No suggested mapping*</i>	<titleInfo type="alternative"><title>
Collection	dcterms:isPartOf	dcterms:isPartOf	<i>No suggested mapping</i>	<relatedItem type="series">
Contributor	dcterms:contributor	dcterms:contributor	dc:contributor	<name><namePart> where <name> also contains <role><roleTerm>contributor</role>
Creator	dcterms:creator	dcterms:creator	dc:creator	<name><namePart> where <name> contains <role><roleTerm>creator</role>
Date	dc:date	dc:date	dc:date	<originInfo><dateCreated keyDate="yes">
Description	dcterms:description	dcterms:description	dc:description	<note type="content">
Extent	dcterms:extent	dcterms:extent	<i>No suggested mapping</i>	<physicalDescription><extent>
Identifier	dcterms:identifier	dc:identifier	dc:identifier	<identifier>
Language	dcterms:language	dcterms:language	dc:language	<language><languageTerm>
Medium	dcterms:medium	dcterms:medium	<i>No suggested mapping</i>	<physicalDescription><form>
Place	dcterms:spatial	dcterms:spatial	dc:coverage	<subject><geographic>
Publisher	dcterms:publisher	dcterms:publisher	dc:publisher	<originInfo><publisher>
Relation	dc:relation	dc:relation	dc:relation	<relatedItem><location><url> and/or <relatedItem><titleInfo><title>
Rights	dc:rights	dc:rights	dc:rights	<accessCondition>
Subject	dcterms:subject	dc:subject	dc:subject	<subject><topic>
Temporal Coverage	dcterms:temporal	dcterms:temporal	dc:coverage	<subject><temporal>
Title	dcterms:title	dc:title	dc:title	<titleInfo><title>
Type	dcterms:type	dc:type	dc:type	<typeOfResource>

What Metadata Does DPLA Enrich?

- ▶ Geographic metadata in `<dcterms:spatial>`
- ▶ Creation date metadata in `<dc:date>`



Geographic Enrichment



- ▶ `<dcterms:spatial>`
- ▶ DPLA enriches geographic data by matching values with known geographic vocabularies, typically GeoNames
- ▶ Formatting matters!
- ▶ It is best for geographic values to be in a single field

`<dcterms:spatial>Cairo, Alexander County, Illinois</dcterms:spatial>`

- ▶ Not

`<dcterms:spatial>Cairo</dcterms:spatial>`

`<dcterms:spatial>Alexander County</dcterms:spatial>`

`<dcterms:spatial>Illinois</dcterms:spatial>`



Why Formatting Matters

Local content management system:

```
<dcterms:spatial>Cairo</dcterms:spatial>  
<dcterms:spatial>Alexander  
County</dcterms:spatial>  
<dcterms:spatial>Illinois</dcterms:spatial>
```

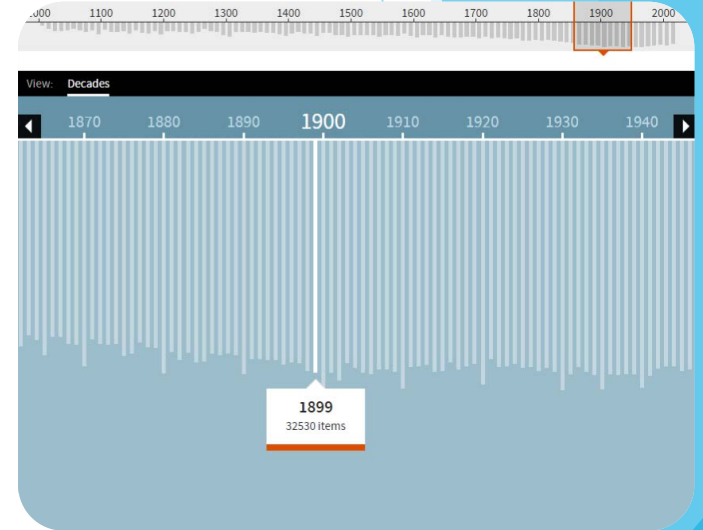
Gets enriched by DPLA to:

```
"spatial": [  
  {  
    "name": "Cairo",  
    "state": "Cairo",  
    "coordinates": "30.05, 31.65",  
    "country": "Egypt "  
  },  
  {  
    "name": "Alexander County",  
    "state": "North Carolina",  
    "coordinates": "35.921, -81.177",  
    "country": "United States "  
  }  
],  
{  
  "name": "Illinois",  
  "state": "Illinois",  
  "coordinates": "40.00032, -89.25037",  
  "country": "United States"  
},  
]
```

The geographic enhancement is not able to understand that the values are linked, so it results in the top hit being used for the enrichment.

Date Enrichment

- ▶ <dc:date>
- ▶ DPLA uses the date of creation for Timeline search function
- ▶ Digital Objects without dates cannot be found with this function



Created Date	June 18, 1899
Partner	University of Illinois at Urbana-Champaign
Contributing Institution	University of Illinois at Urbana-Champaign, University Library
Description	Equipment for ironing sheets. Cannon's Album of Photographs of the Danville Soldier's Home (1897-1908).
Location	Danville , IL
Location	DANVILLE , IL

Created Date
June 18, 1899

[View on timeline »](#)

A small thumbnail version of the timeline interface shown in the top right, featuring the same year axis and bar chart.

DPLA and Social Media

"...DPLA prefers not to highlight watermarked or branded resources because they limit full access and reuse--even in educational cases--by obscuring or otherwise detracting from the content within the resource."

--DPLA Social Media Policy

TWEETS 4,154 FOLLOWING 718 FOLLOWERS 30.8K LIKES 1,404 LISTS 3



← 9 ♡ 4



DPLA @dpla · Jan 24

Have you seen #HiddenFigures? Find more on the space race they helped make possible: [dp.la/exhibitions/ex ...](https://dp.la/exhibitions/ex...)
@USNatArchives



← 13 ♡ 8



DPLA @dpla · Jan 23

Registration is open for #DPLAfest2017!

Resources Available to All

Page 1

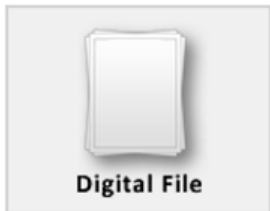


Creator	Kennedy, Amos Paul, Jr
Partner	University of Illinois at Urbana-Champaign
Contributing Institution	University of Illinois at Urbana-Champaign, University Library
URL	http://imagesearchnew.library.illinois.edu/cdm/ref/collection/kennedy/id/44

Get full item from University of Illinois at Urbana-Champaign, University Library 

Page 1

[View Description](#)



702.81_k38g_(beige)_Side_1_(blank_panel,_four_panels_with_trees,_panel_with_quote).81_k38g_(beige)_ [0]

File Format: Digital file

- ▶ DPLA wants resources that are accessible to all
 - ▶ Free of IP restrictions
 - ▶ Free of copyright restrictions with limited viewing
 - ▶ Metadata that includes a digital object
- ▶ Have restricted resources?
 - ▶ Add
<dc:relation>notdpla</dc:relation>
 - ▶ IDHH will remove them

Part 1 Questions?

The background features abstract, overlapping geometric shapes in various shades of blue, ranging from light sky blue to deep navy blue. The shapes are primarily triangles and polygons, creating a dynamic, layered effect. The text is centered on a white background that is partially framed by these blue shapes.

Part 2

IDHH Metadata Best Practices

How and Why Were These Developed?

- ▶ To guarantee metadata will be:
 - ▶ Located in appropriate fields
 - ▶ Represented well
 - ▶ Findable
- ▶ Important when metadata is viewable in service provider environment
- ▶ These guidelines were created for effective representation of IDHH resources in DPLA



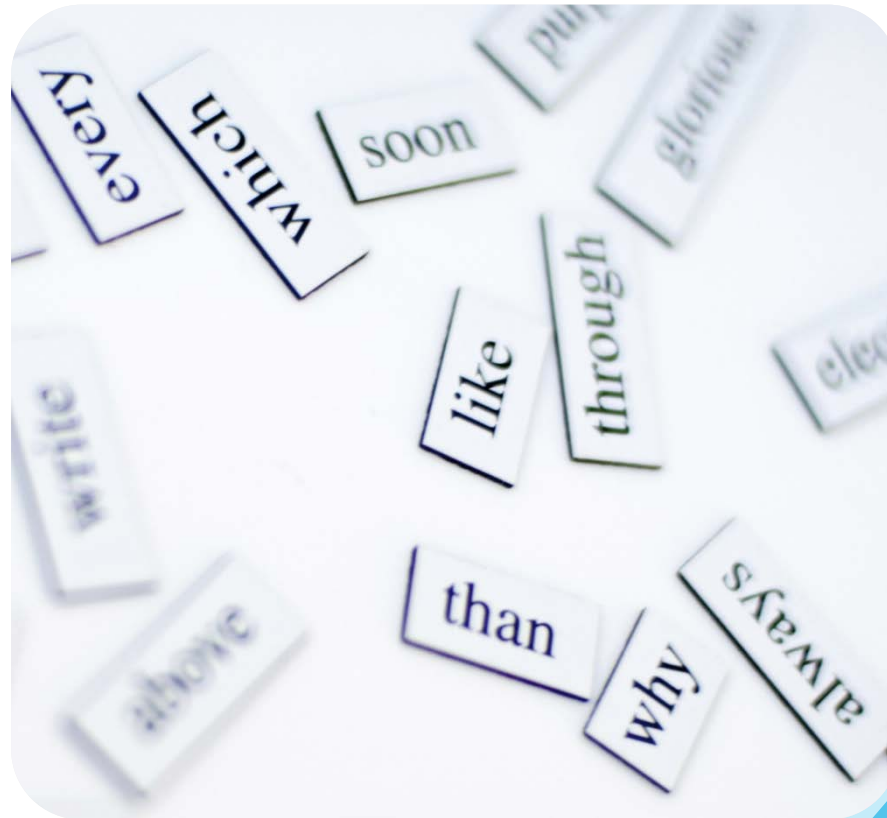
IDHH Metadata Best Practices Include

- ▶ **Definitions** Each field includes definitions that describes the scope of use
- ▶ **Notes of use** Some fields include notes that describe the best use of the field
- ▶ **Controlled Vocabularies** A list of controlled vocabularies are included to encourage consistent practices
- ▶ **Examples** Each field includes examples to better illustrate the use of the field

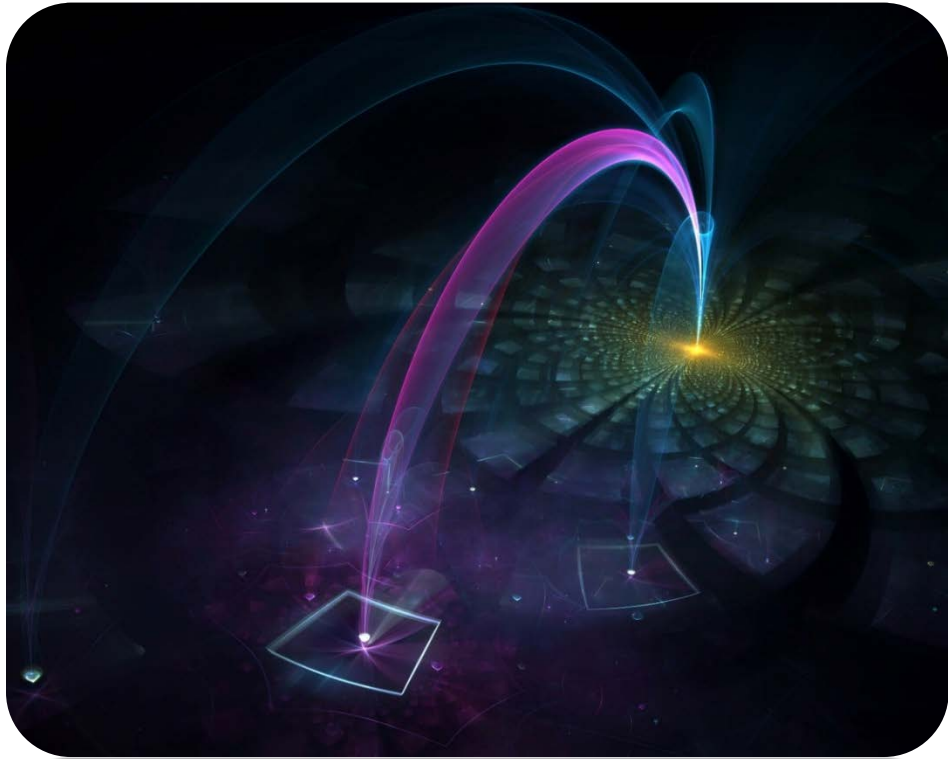


Why Controlled Vocabularies Matter

- ▶ Consistent terms
- ▶ Subject terms are linked with other resources with same terms
- ▶ Aides in DPLA metadata enrichment



What Is Mapping And Why Does It Matter in DPLA?



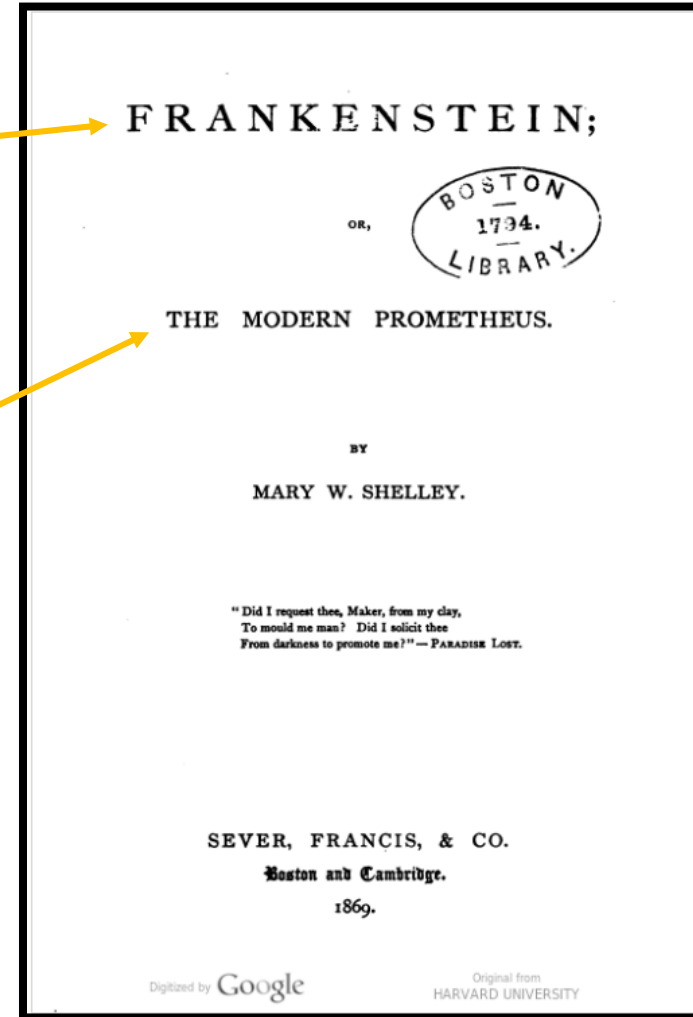
Mapping Enables...

- ▶ Interoperability between schema
- ▶ Metadata to be viewable in service providers' environments

DPLA Label	DPLA Property	QDC Element	DC Element	MODS Element
Alternative Title	dcterms:alternative	dcterms:alternative	<i>No suggested mapping*</i>	<titleInfo type="alternative"><title>
Collection	dcterms:isPartOf	dcterms:isPartOf	<i>No suggested mapping</i>	<relatedItem type="series">
Contributor	dcterms:contributor	dcterms:contributor	dc:contributor	<name><namePart> where <name> also contains <role><roleTerm>contributor</role>
Creator	dcterms:creator	dcterms:creator	dc:creator	<name><namePart> where <name> contains <role><roleTerm>creator</role>
Date	dc:date	dc:date	dc:date	<originInfo><dateCreated keyDate="yes">
Description	dcterms:description	dcterms:description	dc:description	<note type="content">
Extent	dcterms:extent	dcterms:extent	<i>No suggested mapping</i>	<physicalDescription><extent>
Identifier	dcterms:identifier	dc:identifier	dc:identifier	<identifier>
Language	dcterms:language	dcterms:language	dc:language	<language><languageTerm>
Medium	dcterms:medium	dcterms:medium	<i>No suggested mapping</i>	<physicalDescription><form>
Place	dcterms:spatial	dcterms:spatial	dc:coverage	<subject><geographic>
Publisher	dcterms:publisher	dcterms:publisher	dc:publisher	<originInfo><publisher>
Relation	dc:relation	dc:relation	dc:relation	<relatedItem><location><url> and/or <relatedItem><titleInfo><title>
Rights	dc:rights	dc:rights	dc:rights	<accessCondition>
Subject	dcterms:subject	dc:subject	dc:subject	<subject><topic>
Temporal Coverage	dcterms:temporal	dcterms:temporal	dc:coverage	<subject><temporal>
Title	dcterms:title	dc:title	dc:title	<titleInfo><title>
Type	dcterms:type	dc:type	dc:type	<typeOfResource>

Title & Alternative Title

- ▶ *Title*
- ▶ **Use:** Primary name given to the described resource. Titles with identifiers, filenames, or archival organization units should not be included.
- ▶ *Alternative Title*
- ▶ **Use:** Alternative name for the resources, including subtitles or varying form of a title



Rights

Use:

- ▶ Rights held in and over the resource, usually the condition of use or the copyright statement for the resource


Controlled Vocabularies:


- ▶ Creative Commons Licenses
- ▶ RightsStatements.org

The Brummagem Frankenstein



Created Date	1866-1866
Partner	The New York Public Library
Contributing Institution	The Miriam and Ira D. Wallach Division of Art, Prints and Photographs: Print Collection. The New York Public Library
Location	London
Type	image
Subject	Bright, John, 1811-1889 Clippings Portraits
Standardized Rights Statement	The copyright and related rights status of this Item has been reviewed by the organization that has made the Item available, but the organization was unable to make a conclusive determination as to the copyright status of the Item. Please refer to the organization that has made the Item available for more information. You are free to use this Item in any way that is permitted by the copyright and related rights legislation that applies to your use. http://rightsstatements.org/vocab/UND/1.0/
Rights	The copyright and related rights status of this item has been reviewed by The New York Public Library, but we were unable to make a conclusive determination as to the copyright status of the item. You are free to use this Item in any way that is permitted by the copyright and related rights legislation that applies to your use.
URL	http://digitalcollections.nypl.org/items/510d47dd-ca76-a3d9-e040-e00a18064a99

 **COPYRIGHT UNDETERMINED**

Get full image from The Miriam and Ira D. Wallach Division of Art, Prints and Photographs: Print Collection. The New York Public Library 

Data Provider

Use:

- ▶ Name of the contributing institution that creates the digital collection.
- ▶ The institution name is pulled from <dcterms:provenance>, if no institution name in this field, the default term “contributing institution” will be used.

▶ Example:


I'm sorry I made you cry




Creator	Clesi, N.J. (Nicolas Joseph), 1880-1950 (composer)
Created Date	1918-1918
Partner	Digital Library of Georgia
Contributing Institution	Zach S. Henderson Library. Special Collections
Description	Composition entitled I'm Sorry I Made You Cry. Words and music written by N.J. Clesi, and arranged by Theodore Morse, ca. 1918.

Get full image from Zach S. Henderson Library. Special Collections 

I'm sorry I made you cry



Creator	Clesi, N. J.; Clesi, N. J
Created Date	1918
Partner	Illinois Digital Heritage Hub
Rights	Access to materials is solely intended for personal use. Other uses of the file and its content, whether commercial, noncommercial, educational, or promotional, may be prohibited without the written permission of the

Get full item from contributing institution 

Identifier

Use:

- ▶ Web accessible URI that distinctively identifies the resource

Example:

- ▶ http://collections.carli.illinois.edu/cdm/ref/collection/wiu_digimgc/id/2000

```
<dcterms:isPartOf>Robert Hawley Milne Papers (Lewis University)</dcterms:isPartOf>  
▼<dc:identifier>  
  http://collections.carli.illinois.edu/cdm/ref/collection/lew_rhm/id/194  
</dc:identifier>  
</oai qdc:qualifieddc>
```

Date & Temporal Coverage

Date

Use:

- ▶ Date of creation of the resource

Controlled Vocabularies:

- ▶ Extended Date/Time Format

Temporal Coverage

Use:

- ▶ Temporal characteristics of the resource

Creator	Clesi, N. J.; Morse, Theodore (arranger); Clesi, N. J
Created Date	1918
Partner	Illinois Digital Heritage Hub
Contributing Institution	University of Illinois at Chicago
Type	text

Created Date
1918

[View on timeline »](#)



Subject (unesco)	Indigenous populations Travel
Coverage date	1890/1900
Photographer	Unknown
Publisher (of the digital version)	University of Southern California. Libraries

Place

Use:

- ▶ Spatial characteristics of the resource, such as a country, city, region, address, or other geographical term.

Controlled Vocabularies:

- ▶ FAST Terms
- ▶ GeoNames
- ▶ Getty Thesaurus for Geographic Names
- ▶ Library of Congress Subject Headings

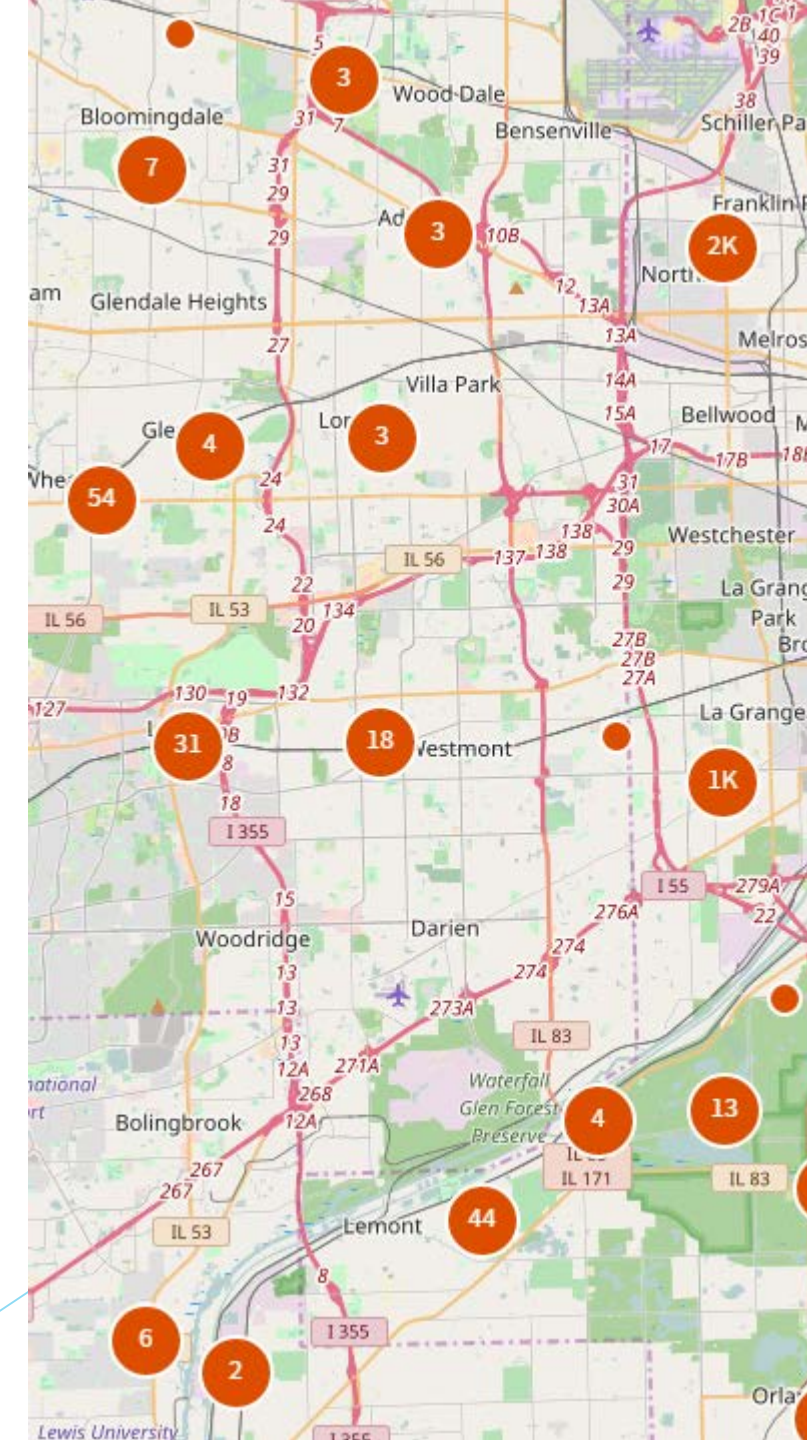
▶ Example:

This LCSH term is in direct form, with the jurisdiction the park is located in parentheses.

- ▶ Place: Lincoln Park (Chicago, Ill.)

FAST terms are in inverted form as State–City–Place.

- ▶ Place: Illinois–Chicago–Lincoln Park



Type & Language

Type

Use:

- ▶ The nature or genre of the resource

Controlled Vocabularies:

- ▶ DCMI Type
- ▶ Locally created controlled vocabulary

Type	
image	1421
text	425
sound	12
moving image	10

Language

Use:

- ▶ A language of the resource

Controlled Vocabularies:

- ▶ ISO 639-2
- ▶ ISO 639-3

Language	
English	768
No linguistic content	5
Spanish	4
French	3
Dutch	2

Subject

Use:

- ▶ The topic of the resource

Controlled Vocabularies:

- ▶ FAST Terms
- ▶ Library of Congress Subject Headings
- ▶ Local controlled vocabulary
- ▶ VIAF

Subject	Restaurants--California--Los Angeles Wedding cakes--California--Los Angeles Cakes--California--Los Angeles Bakers and bakeries--California--Los Angeles
---------	--

Subject	Spouses Families Celebrations Anniversaries
---------	--

Creator & Contributor

Creator

Use:

- ▶ An entity primarily responsible for making the resource



Contributor



Use:

- ▶ Entity responsible for making contributions to the resource

Controlled Vocabularies:

- ▶ Getty Union List of Artist Names
- ▶ Library of Congress Name Authority Files
- ▶ VIAF
- ▶ Local controlled vocabularies

	Creator	Thompson Brothers
Get full image from Knox County Public Library 	Created Date	1934-09-26
	Partner	Digital Library of Tennessee
	Contributing Institution	Knox County Public Library

	Creator	Nollau, Louis Edward, 1883-1955
Get full image from University of Kentucky 	Partner	Kentucky Digital Library
	Contributing Institution	University of Kentucky
	Format	Images
	Type	image

Publisher: Yorba Linda Public Library
Contributor: First American Corporation
Date: 1912

Medium & Extent

Medium

Use:

- ▶ Physical medium of described resource

Controlled Vocabularies:

- ▶ Art and Architecture Thesaurus
- ▶ Thesaurus of Graphic Materials

GENRES

Charcoal drawings

GENRES

Watercolors

Extent

Use:

- ▶ The duration, such as the length of a video or audio recording, or the size of a resource

PHYSICAL DESCRIPTION

Extent: 10.5 x 13 cm.

PHYSICAL DESCRIPTION

35 mm film, black and white

Extent: One of six frames

Extent: Negative Size: 1 3/8 x 8 3/4 in. (3.5 x 22.2 cm)

Collection & Relation

Collection

Use:

- ▶ Name of collection or aggregation that the resource is a part

Relation

Use:

- ▶ Related resource, used to connect other resources with the resource being described

→ **Digital Collection:** Robert W. Limbert Collection

→ **Related Resources:** Is part of: MSS 80, Robert W. Limbert Collection
Is referenced by: Photo published in the U.S. West 1992 calendar ("The American West: Where Cultures Meet") kept in MSS 80 Box 24 (oversize). Quote from calendar: "Doc Hisom, far left, was a miner in the Snake River region of Idaho. Boise newspapers called him the "Hermit of the Snake River desert" but that glum title aside, Hisom's hospitality was famous with fishermen and picnickers in the Snake River region in the early twentieth century. While much of recent writing about western American history has accented conflict and friction among racial groups, the reality of western people occasionally whooping it up in each others company remains a memorable and very human part of the story."

Collection Partner: Boise State University - Albertsons Library

Digital Repository: Boise State University Library Digital Collections

Thanks! Questions?

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217-300-4525