Ponds, Lakes, Ocean: Pooling Digitized Resources and DPLA

Emily Jaycox, Missouri Historical Society
SLRLN Tech Expo 2018
Reflections on the digital world
Good news! So many libraries have digitized amazing primary source documents and images! Who can keep track of all the good websites to recommend?
We’ve digitized lots of our most amazing collections!

Not enough people know that they’re available!
Library funding agency

We’ve spent lots of (taxpayer) resources helping libraries digitizing their amazing collections!

Not enough people know that they’re available! Poor return on investment!
Library user

There’s so much great stuff on the web!

How can I easily find quality research materials that are free?
What does this have to do with DPLA?
Bringing together the riches of America’s libraries, archives, and museums to make them freely available to the world

visit dp.la
DPLA’s front end searches across numerous collections, with an opportunity to dive deeper when you find something of interest.
Why might you point a patron to DPLA?

What are entry points into DPLA resources to share with patrons?

How can you support patrons in interacting with DPLA resources?

Visit dp.la
Narrow results by:
Subject
Location
Language
Contributing Institution
Partner
Type (format)
Date
Exhibitions

Explore by Place

Explore by Date

Visit dp.la
Over two dozen exhibits that “are designed to tell stories of national significance using source material from libraries, archives, and museums across the United States...”
American Aviatrixes: Women with Wings

Throughout the early twentieth century, women looked to break new ground in ways never before possible, and the sky literally became the limit. As the nation moved into the aviation age, many women saw flying as a way to break out of traditional societal roles. It gave women not just an opportunity for adventure and excitement, but a way to earn a living outside of the home that demanded respect.

Aviatrix Ruth Bancroft Law described it, after defeating the cross-country distance record: “There is an indescribable feeling which one experiences in flying; it comes with no other form of sport or navigation. It takes courage and daring; one must be self-possessed, for there are moments when one’s wits are tested to the full. Yet there is an exhilaration that compensates for all one’s efforts.”

In this exhibition we explore the early history of aviation and the courageous women who took to the skies—aviatrixes who found freedom, broke new ground, and inspired generations of women along the way.

Credits
This exhibition was created as part of the DPLA’s Digital Curation Program by the following students as part of Professor Debbie Rabina’s course “Information Services and Sources” in the School of Information and Library Science at Pratt Institute: Megan DeArmond, Diana

"Katherine Stinson preparing biplane for takeoff,” 1908. Courtesy of the Missouri History Museum via the Missouri Hub.
Marie Meyer standing on the wings of a bi-plane being flown past the Railway Exchange Building by her husband Charles Fowler as part of a Marie Meyer Flying Circus performance, July 1924

<table>
<thead>
<tr>
<th>Partner</th>
<th>Missouri Hub</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contributing Institution</td>
<td>Missouri History Museum</td>
</tr>
<tr>
<td>Format</td>
<td>Photograph/Pictorial Works</td>
</tr>
<tr>
<td>Subject</td>
<td>Aeronautics Transportation</td>
</tr>
<tr>
<td>Language</td>
<td>English</td>
</tr>
<tr>
<td>Rights</td>
<td>For rights relating to this resource, visit <a href="http://collections.mohistory.org/resource/148107">http://collections.mohistory.org/resource/148107</a></td>
</tr>
</tbody>
</table>

Patrons will want to click through for citation purposes.
Explored by Place

Great for patrons wanting to research “place” ex. Local history

Check the holder of the source before clicking through to check for location accuracy.

Visit dp.la
Explore by Date

Search for “soldier”

Visit dp.la
Explore by Date

Timeline
Your search for soldier returned 1,905 results with dates from over 120 contributing institutions
Refined by: image × United States ×

Continue to narrow by subject, format, or location. Scrub through timeline to modify results.

Visit dp.la
Topics frequently revolve around historic events, groups, individuals, or literature. Tags allow for grouping of related Primary Source Sets.

Visit dp.la
Primary Source Sets

Warning: Not all sources in the Primary Source Sets may actually be described as Primary Sources.

An excerpt from “What women did for the war and what the war did for women,” a speech delivered by Josiah H. Benton, Jr. in 1894.

In PSS Women and the Civil War
Interacting with DPLA Sources

Using Primary Sources

Primary sources are the raw materials of history — original documents and objects which were created at the time under study. They are different from secondary sources. Examining primary sources can also gain new insights into history.

Teacher's Guides and Analysis Tool

Before you begin:

- Choose at least two or more sources
- Consider how students can analyze the sources
- Identify an analysis tool

Analysis Tool for Students

Primary Source Analysis Tool

PDF version (56 KB)

Visit dp.la
Nice portal, huh?

Where does all that content come from?
CONTENT HUBS – large providers
SERVICE HUBS - collaboratives
They must need mega server space!

Nope -
does not host
digital assets.
So how do the digitized items show up in DPLA?

DPLA stores LINKS to thumbnails and websites.
You host the content.

sends the users to you.
DPLA PLATFORM

INGESTION

METADATA REPOSITORY

API

APPs

FRONT END

SERVICE HUBS

CONTENT HUBS

MISSOURI Hub

Smithsonian
How does DPLA handle metadata?
SURVEY: Familiarity with metadata
• I have managed digitization projects
• I’m a cataloger
• I am a coder or programmer
• Not too familiar with metadata,
• Never met a data I didn’t like
What do the Service Hubs have to do with their metadata?
Standardize it, so it can be shared with DPLA through one data feed.

Does anything happen to the metadata at DPLA?
We do extra processing of DATES and PLACES
A Wealth of Knowledge
from libraries, archives, and museums

The DPLA is a platform. Developers make apps that use the library’s data in many different ways. Here are just a few. App Library »

News

Board Governance Committee Executive Session: November 12, 2014
Nov 8

Open Marketing and Outreach Committee Call: Friday, November 7, 2:00 PM Eastern
Nov 8
What about data formats?
There has to be an OAI-PMH data feed.

A what?

The Open Archives Initiative Protocol for Metadata Harvesting (OAI-PMH)

https://www.openarchives.org/pmh/
QUIZ:
Which one is NOT a metadata format?
• MARC21
• MODS
• XML
• Dublin Core
• BIBFRAME
• LOL
What metadata fields are required?
Five metadata fields each record must have:

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Title Field</td>
<td>Harry S. Truman Holding Baby Margaret Truman</td>
</tr>
<tr>
<td>Created Date</td>
<td>ca. 1924</td>
</tr>
<tr>
<td>Partner</td>
<td>National Archives and Records Administration</td>
</tr>
<tr>
<td>Contributing Institution</td>
<td>National Archives and Records Administration</td>
</tr>
<tr>
<td>Subject</td>
<td>Children of presidents, Infants, Truman, Harry S., 1884-1972, Truman, Margaret (Mary Margaret), 1924-2008</td>
</tr>
<tr>
<td>Rights</td>
<td>Unrestricted</td>
</tr>
<tr>
<td>URL</td>
<td><a href="http://research.archives.gov/description/6372847">http://research.archives.gov/description/6372847</a></td>
</tr>
</tbody>
</table>
That doesn’t sound like a lot

Other fields are allowed, if they conform to DPLA’s Metadata Application Profile.

http://dp.la/info/developers/map/
One more important metadata requirement:
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But what if not all your digitized resources are in the public domain?

Or your institution wants some restrictions on access?
CC0 - Metadata in public domain

- Contributing partners agree to supply their metadata as CC0.
- Metadata is licensed to the public non-exclusively, unconditionally, and royalty-free for all types of use.
- A larger format image or resource can still be more restricted on the home site.
A PORTAL FOR DISCOVERY

A PLATFORM TO BUILD UPON

A STRONG PUBLIC OPTION

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DPLA PLATFORM

FRONT END

API

METADATA REPOSITORY

INGESTION

SERVICE HUBS

CONTENT HUBS

MISSOURI Hub

Smithsonian
What kinds of things can people do with all the metadata?
The DPLA is a platform that enables new and transformative uses of our digitized cultural heritage. The DPLA's application programming interface (API) and open data can be used by software developers, researchers, and others to create novel environments for learning, tools for discovery, and engaging apps.
Color Browse

781 images containing brown

Color browse
Open Source Crowdsourcing Game Platform

Metadata Games (MG) is a free and open source (FOSS) crowdsourcing game platform. As players play Metadata Games, images, video, and audio from libraries, archives, and museums gain valuable descriptions, making it easier for the general public and scholars to discover these collections.
Culture Collage is a simple tool that lets you search the Digital Public Library of America’s image archive and view the results as a streaming river of images, just keep scrolling to fetch more. Clicking on an image lets you view details, save it to a scrapbook or hop over to dp.la without losing your place in the stream. You can meander and muse without distraction. Your scrapbooks are saved in your browser cache, so there’s no need to sign-up or log-in even remember to ‘save’. Searches can be linked by using keywords in the URL (e.g. http://www.zenlan.com/collage/dpla/#parade), allowing themed image streams to be shared. For those interested in simultaneously searching the holdings of the DPLA, Europeana (European Union), and Trove (Australia), check out the "International Lanes" feature. "Culture Collage - DPLA" is now also available as a web app that plugs into Microsoft Office 2013 and lets you search and embed images without leaving the page.

App Home page
Are Missouri libraries involved?

Glad you asked!
MO Hub’s origin story
<table>
<thead>
<tr>
<th>Missouri State Library</th>
<th>Jefferson City, MO</th>
<th>Administers LSTA digitization grants.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Missouri State Archives</td>
<td>Jefferson City, MO</td>
<td>Together with Missouri State Library, operates...</td>
</tr>
<tr>
<td>Missouri Digital Heritage</td>
<td>Web</td>
<td>Portal (+ optional repository) for state digitization projects</td>
</tr>
<tr>
<td>TECHO-STL</td>
<td>St. Louis</td>
<td>Informal group interested in linked data and digital collaborations</td>
</tr>
</tbody>
</table>
TECHO meeting, Sept. 2013

Fall 2014?

Feb 14, 2014?

Missouri History Museum
Service hub?
Who would manage the ingests with DPLA?

Must already meet DPLA data standards, AND:

• Have an OAI feed
• Metadata must be in MODS or Dublin Core
Prerequisites to joining DPLA through MissouriHub

Visit dp.la
To participate, Missouri State Lib needed governance documents.

They joined MoHub in 2015 after their legal counsel signed off.
• Missouri State Library took on role of contacting MDH libraries
• 1/3 of MoHub content now comes from MDH
<table>
<thead>
<tr>
<th>State-wide content platform</th>
<th>Aggregator of metadata</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hosts digitized primary sources</td>
<td>Onramp to DPLA</td>
</tr>
<tr>
<td>Also provides links to material hosted on other libraries’ repositories</td>
<td>Provides links to material hosted on other libraries’ repositories</td>
</tr>
<tr>
<td>Supports new digitization projects via LSTA grants</td>
<td>Works with already digitized collections only</td>
</tr>
<tr>
<td>Has a website and search portal</td>
<td>No search portal; website is administrative only</td>
</tr>
</tbody>
</table>
Were there any pain points?

A few...
Early admin pain point
Tech pain points

- Loose standards $\rightarrow$ each partner needs own data map
- Thumbnails $\rightarrow$ need resizing
- Lack of error reporting
- URL changes lead to broken links
- Changes in Rights Statements standards
SHOW ME MISSOURI COLLECTIONS

Missouri Hub is a partnership between Missouri libraries and...
What are the advantages to contributing content to DPLA?
Library user
It’s mainly noticeable with the curated sets

Has this driven traffic to MoHub sites?
Primary Source Sets

Digital Public Library of America (DPLA) Primary Source Sets are designed to help students develop critical thinking skills by exploring topics in online materials from libraries, archives, and museums across the United States. The sets use letters, photographs, posters, oral histories, videos, ten to fifteen primary sources, links to related resources, and a teaching guide. These sets were created and reviewed by the teachers on the DPLA projects, suggest a new topic for a primary source set, and engage with teachers that educators interested.

Subject: All

Exhibitions

Digital Public Library of America (DPLA) Exhibitions are designed to tell stories of national significance using source materials from libraries, archives, and museums. Photographs, posters, oral histories, video clips, sheet music, and more. They were curated by a wide variety of curators and projects: the DPLA Curation team, Information science and public history, and public librarians as part of the Public Library Partnerships Project. Please explore the credits for individual exhibitions with feedback at education@dp.la.
Keeping up with evolving standards for data sharing...

Anything else?
What’s ahead ... Rights statements

Modeled on Europeana:
http://www.europeana.eu/portal/en
Collaborating and learning from other libraries...

Tell them about your trip
News on the Margins

"In cause. Too long have others spoken for us."
John B. Russwurm, Freedom's Journal, March 16, 1827

"Silent but not at last"
The Tide, April 1973

In 2015-16, the Library of Congress (LC) and the Digital Public Library of America (DPLA) to develop two digital directories:

- of African American Newspapers and Periodicals (print, microfilm, and digital formats)
- of LGBT Newspapers and Periodicals (print, microfilm, and digital formats)
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What’s ahead for MissouriHub?
We need a plan to better distribute the tech work

Non-members are at the end of the ingest queue
What’s ahead for DPLA?
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What’s ahead ... Newspapers
What’s ahead ... e-Book initiative

• Can we get e-books out of the “silos?”
• Partnering with readersfirst.org
• IMLS and Sloan Foundation grants
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Thank you!
Questions?
emily@mohistory.org

http://missourihub.org/