DPLA and MoHub: How far have we come? What's ahead?

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But first, a quiz:
Are you...

- Public service / instruction staff
- Metadata wrangler
- App developer
- Administrator
Are you...

Public service / instruction staff

App developer

Metadata wrangler

Administrator

.....Just curious?
Are you or your patrons frustrated at hopping around to different websites to locate digitized primary source material?

Learn more about DPLA's portal and searching tools.
Are you a data person who wishes that all our library catalogs and metadata could be repurposed?

See examples of DPLA's application programming interface (API) used for novel discovery tools and engaging apps.
Does your library have digital content that you think could be contributed to DPLA?

Learn more about the data requirements for contributing content
Are you wondering about steps and costs for contributing to DPLA?

Learn about what DPLA is…and what it is not; and more about the path to membership
Just curious?
DPLA: What it is...
CONTENT HUBS – large providers
SERVICE HUBS - collaboratives
CONTENT AND SERVICE HUBS

DPLA PLATFORM

FRONT END

APPS

CONTENT AND SERVICE HUBS

SERVICE HUBS

CONTENT HUBS

API

METADATA REPOSITORY

INGESTION
Service hub model
(MoHub is a service hub)

PONDS    LAKES    OCEAN

Local ➔ Regional ➔ National

Users / Visitors / Researchers
A PORTAL FOR DISCOVERY
A PLATFORM TO BUILD UPON
A STRONG PUBLIC OPTION
Visit dp.la
A PORTAL FOR EVERY A PLATFORM TO BUILD UPON A STRONG PUBLIC OPTION

DPLA: the front end

Visit dp.la
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 »
<table>
<thead>
<tr>
<th>Contributing Institution</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Missouri State Archives through Missouri Digital Heritage</td>
<td>737</td>
</tr>
<tr>
<td>The State Historical Society of Missouri</td>
<td>163</td>
</tr>
<tr>
<td>National Archives at College Park - Still Pictures</td>
<td>93</td>
</tr>
<tr>
<td>Boston Public Library</td>
<td>23</td>
</tr>
<tr>
<td>University of Minnesota</td>
<td>15</td>
</tr>
</tbody>
</table>

More »
MEMORIAL DAY TRAFFIC CROSSING BAGNELL DAM. "THE STRIP," AN AMUSEMENT AREA, IS IN BACKGROUND
Your search for **Harry Truman** returned 5,129 results.

Only results with time data are shown below.

**Timeline**

**By Format**
- image: 4315
- text: 594
- moving image: 101
- sound: 11

**Contributing Institution**
- National Archives and Records Administration: 2664
- National Archives at College Park - Still Pictures: 1676
- The State Historical Society of Missouri: 123
- Minnesota Historical Society: 42
- WGBH: 36

More »
Map Search

Your search for Missouri returned 134,998 results.
CURATED COLLECTIONS

Visit dp.la
Primary Source Sets

DPLA Primary Source Sets are designed to help students develop their critical thinking skills by exploring topics in history, literature, and culture through primary sources. Each set includes an overview, 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's Education Advisory Committee. We will be adding new sets and features through Spring 2016. Read about our education projects and contact us with feedback at education@dp.la.

Subject: All  Time Period: All  Sort by: Recently added

- **Exploration of the Americas**
  - US History
  - Three Worlds Meet (Beginnings to 1620)

- **The New Woman**
  - US History
  - Cultural Movements
  - The Emergence of Modern America (1890-1930)

- **The Populist Movement**
  - US History
  - The Development of the Industrial United States (1870-1900)

- **Attacks on American Soil: Pearl Harbor and September 11**
  - US History
  - The Great Depression and World War II (1929-1945)
  - Contemporary United States (1968 to the present)

- **Colonial Religion**
  - US History
  - Colonization and Settlement (1585-1763)

- **The Wounded Knee Massacre**
  - US History
  - The Development of the Industrial United States (1870-1900)
Throughout history, and particularly during the Victorian era (mid- to late-1800s), women—especially from the upper and middle classes—had little opportunities beyond those of the hearth and home. The New Woman was a response to these limiting roles of wife and mother. Starting in the late nineteenth century, more and more women remained unmarried until later in their lives, gained education, organized for women's suffrage, and worked outside the home. Women also supported the war effort during World War I. Such developments allowed greater freedom. This was manifest, for example, in the image of the bicycle rider—wearing bloomers instead of long dresses and free to go wherever, whenever she wanted, by herself or with her friends. But these changes didn’t come easily or without pushback from both men and women who were unused to the notion of women’s independence. The following set illustrates the movement’s ideals, the women who embraced it, and a society made uncomfortable by this seismic shift in the roles of men and women.
Facet for hub; no separate web portal.
A PORTAL FOR DISCOVERY

A PLATFORM TO BUILD UPON

A STRONG PUBLIC OPTION

Visit dp.la
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.

### Historical GIFs
Drew Gordon

This Twitter bot (@dpladotgif) brings you the DPLA one GIF at a time. Moving images at random from the Digital Public Library of America.

[App Home Page »](https://example.com)

### MetaDash
Dean Farrell

Use MetaDash to search the DPLA, Europeana or Digital New Zealand for a term or terms and view the metadata associated with your search.

[App Home Page »](https://example.com)

### WordPress Searcher Europeana & DPLA
Jose Fernández

WordPress Searcher Europeana & DPLA is a plugin that creates widgets for searching Europeana & DPLA.

[App Home Page »](https://example.com)

### WUD
Medicine & Society chair at the University of Fribourg (Switzerland)

WUD is a customised search engine helping you to pull, link and organise data from two major cultural heritage repositories: Europeana and DPLA.

[App Home Page »](https://example.com)

### Color Browse
Chad Nelson

Color Browse lets you search the DPLA by hundreds of shades and hues. Pick a color to browse through results in a totally new way.

[App Home Page »](https://example.com)

### Metadata Explorer
Dean Farrell

Metadata Explorer is an attempt to explore national digital libraries, pan-national digital libraries and libraries in general, in a different, hopefully useful way.

[App Home Page »](https://example.com)

### DPLA Item Flow
Dean Farrell

A visualization showing the flow of hubs into the DPLA.

[App Home Page »](https://example.com)

### DPLA Partner Flow
Dean Farrell

A visualization showing the flow of items into DPLA hubs from their content providers.

[App Home Page »](https://example.com)

### DPLA Depositors Visualization
Dean Farrell

Hover over an institution's wedge to see how many items it has contributed to DPLA.

[App Home Page »](https://example.com)
DPLA Visualizations - See how your term(s) frequency varies by state

Note: Depending on your search terms it can take some time to return the mapped items

Hover over a state to see how many items were returned for that state

frontier
Your term(s) appeared in 9 records in Missouri

Click to view records in Missouri
Creole St. Louis Street Scene
A watercolor from the artist's sketchbook, showing people, houses, cart, and river at an unidentified location in the St. Louis area.

Private libraries in Creole Saint Louis
McDermott, John Francis, 1902-
1938
Cultural conditions on the confines of a wilderness.--Early libraries, 1764-1804.--Libraries, 1764-1842.--Appendix.--Bibliography (p. 181-186).

Letter, from Alexander J. P. Garesch©, St. Louis to Charles Henry Hardin, November 27, 1874
Office of the Governor
AppointmentsPolice Commissioner: Alexander J. P. Garesch©, St. Louis; recommends James C. Nidelet; native born Creole.
Your search for creole returned 562 results.

Refine search

By Format
- image: 266
- text: 249
- sound: 18
- physical object: 1
- moving image: 1

Contributing Institution
- NMNH - Botany Dept.: 119
- United States Government Publishing Office (GPO): 54
- Music Division. The New York Public Library: 30
- University of Michigan: 27
- University of California: 26

Partner
- Smithsonian Institution: 158
- HathiTrust: 156
- United States Government Publishing Office (GPO): 54
- The New York Public Library: 53
- Metropolitan Museum of Art: 16

A French Creole
Paton, William Agnew (1848-1918)
1887-1887

Turbine for "Creole"
Parker, Warren S
1903-1903
Title from item or accompanying materials. Date supplied by cataloger.

Belle Creole
Hartford, John
The Belle Creole was built in 1823 at Cincinnati, Ohio. Her home port was New Orleans and she was a New Orleans-Bends packet. Captain Champremere was her master. She foundered and sank in 1829. This photograph was reproduced from an old sketch made at New Orleans, Louisiana.

La Creole
1748-1748
DPLA Visualizations - See how your term(s) frequency changes through time

Note: Depending on your search terms it can take some time to return your graph
Hover over a column to see how many items were returned for that decade

Your search phrase: steamboat

Sample records for (steamboat) for the decade 1850's

- Steamboat fire at Keokuk Landing
- Packet Keystone State
- P-048 William Charles Redfield Letter

View all results for "steamboat" in the 1850's
**Term vs. Term**

Compare the number of search results for two phrases from the [Digital Public Library of America](https://www.dpl.org).
DPLA - State by State - County by County

This map shows how DPLA records represent each state in the US. Click on a state to see how the DPLA records represent each county in that state. Click on a county to see the first 100 records from the DPLA for that county.

This fugly javascript app is a work in progress.

Miller Street Canal Collapse, Otto and Joe Kroeger Photograph Collection, P0002

from Missouri Hub
Historical Cats

Random images of cats from the Digital Public Library of America (not actually affiliated with DPLA)

dp.la

Tweets

Historical Cats @HistoricalCats - 1h
What a cat! "The good luck cat / Joy Harjo ; illustrated by Paul Lee"
dp.la/item/2305452ef...

Historical Cats @HistoricalCats - 16h
Meow! "Young man carries pets on his shoulder in Public Garden, Boston"
dp.la/item/72630d1df...
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A PLATFORM TO BUILD UPON
A STRONG PUBLIC OPTION

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DPLA: What it is not

Visit dp.la
does not host
digital assets.
Two prerequisites to joining DPLA through MissouriHub
ADMINISTRATIVE

TECHNICAL
Administrative steps
Administrative

✔ Sign Memorandum of Understanding (MOU)

✔ Participate in governance
  - Annual member meeting at MLA
  - Steering committee has monthly conference call, meets as needed
Memorandum of understanding

- Statement of mutual expectations
- No fees involved*  
  *at this time
- Not a legal contract
  - Signed by Missouri History Museum on behalf of Missouri Hub
  - Signed by an administrator at your institution
Missouri Hub agrees to:

• Aggregate and pass metadata to DPLA

• Facilitate communication between DPLA and contributor institutions

• Facilitate compliance of contributor metadata to DPLA requirements
Contributing Institution agrees to:

• Have their metadata added to DPLA

• Adhere to metadata requirements for DPLA

• Provide metadata under a Creative Commons 1.0 (CC0) license
  
  – Metadata provided by Contributor is licensed to the public non-exclusively, unconditionally, and royalty-free for all types of use.
Other Key Points:

- is NOT a long-term repository for metadata
- can choose which metadata it accepts
- can choose which metadata it contributes
- can choose to cease participation at any time
WHO IN YOUR ORGANIZATION CAN SIGN THE MEMORANDUM OF UNDERSTANDING?
Technical steps
Minimum Metadata Standards

• All *metadata* supplied as CC0

• OAI-PMH data feed
  – Dublin Core or MODS metadata
Five metadata fields each record must have:

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</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.govsetDescription/6372847">http://research.archives.govsetDescription/6372847</a></td>
</tr>
<tr>
<td>Metadata Requirement</td>
<td>Dublin Core</td>
</tr>
<tr>
<td>--------------------------------------------------------------------------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>Title value</td>
<td>title</td>
</tr>
<tr>
<td>URL to publicly available representation of the record</td>
<td>URL in first identifier</td>
</tr>
<tr>
<td>URL to publicly available “preview” or “thumbnail”</td>
<td>URL in last identifier</td>
</tr>
<tr>
<td>Rights statement</td>
<td>rights</td>
</tr>
<tr>
<td>Contributing institution identifying statement</td>
<td>publisher</td>
</tr>
<tr>
<td>Type value* should conform with DCMI Type Vocabulary</td>
<td>type</td>
</tr>
</tbody>
</table>

Additional metadata fields may be included. These should conform to DPLA’s Metadata Application Profile. [http://dp.la/info/developers/map/](http://dp.la/info/developers/map/)
WHO IN YOUR ORGANIZATION KNOWS YOUR METADATA?
Technical contact for partner institution

David Henry of the Missouri History Museum, technical coordinator for MissouriHub.
How does MoHub relate to Missouri Digital Heritage?
<table>
<thead>
<tr>
<th><strong>State-wide content platform</strong></th>
<th><strong>Aggregator of metadata</strong></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>
Two paths to becoming a partner
If you host your own content...

ADMINISTRATIVE

TECHNICAL

Your Institution Here!
If your content is at MDH...

ADMINISTRATIVE

TECHNICAL
Kansas City Public Library

Washington University

Federal Reserve Bank of St. Louis

UM – St. Louis

Missouri History Museum

St. Louis Public Library

Saint Louis University

UM – St. Louis

Missouri State Archives

State Historical Society of Missouri

Springfield – Greene Co. Public Library

Linda Hall Library

Missouri Digital Heritage
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Bringing together the riches of America's libraries, archives, and museums to make them freely available to the world.

visit dp.la
Thank you!

Questions?

emily@mohistory.org

http://data.mohistory.org/mohub/