Boston, Mass. 10 Jan 2016

BIBFRAME and Linked Data Program Update

John Chapman

Product Manager, Metadata Services

OCLC

What we have been working on

- BIBFRAME Modeling
- Developing production services
- Experiments in visualization

BIBFRAME MODELING

Collaborating on BIBFRAME

- Working with the Library of Congress and others to finalize the BIBFRAME standard
- Beginning to explore what working with it at scale will mean

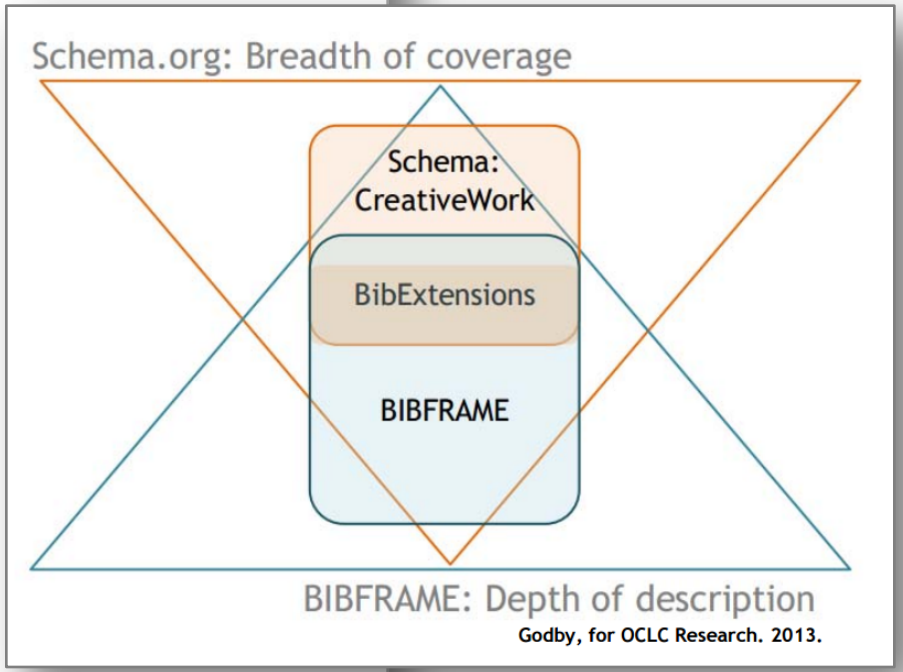
LIBRARY OF CONGRESS

Common Ground: Exploring Compatibilities Between the Linked Data Models of the Library of Congress and OCLC

#ldmodels

Carol Jean Godby
OCLC Research

Ray Denenberg
Library of Congress



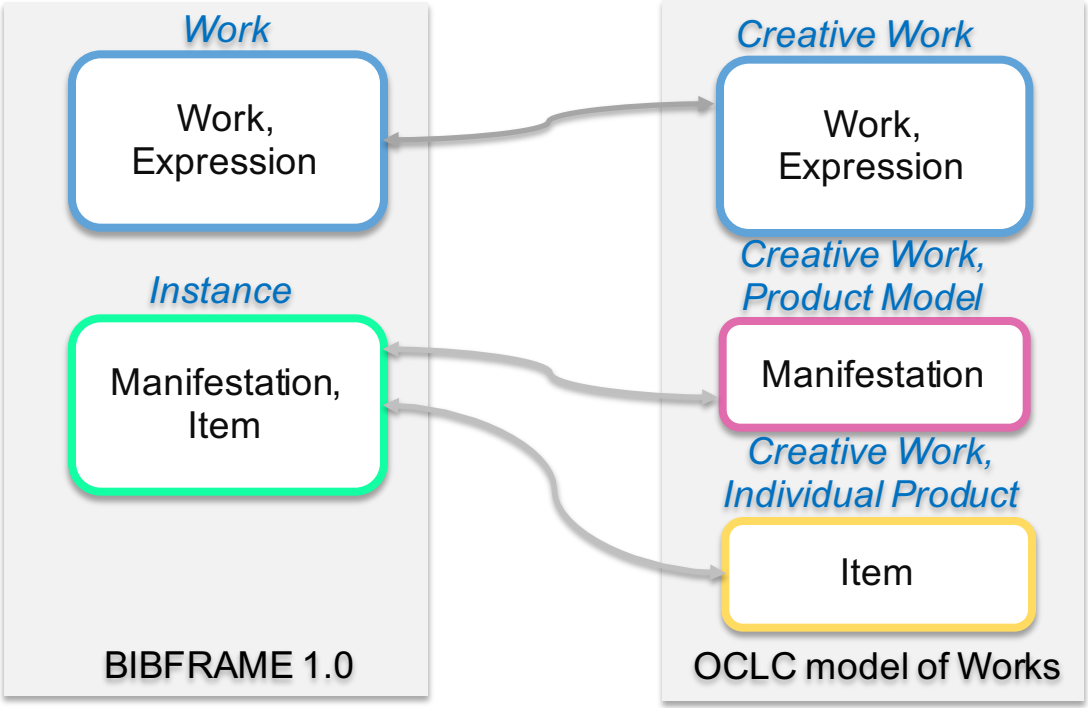
Godby, for OCLC Research. 2013.

LIBRARY OF CONGRESS OCLC Research

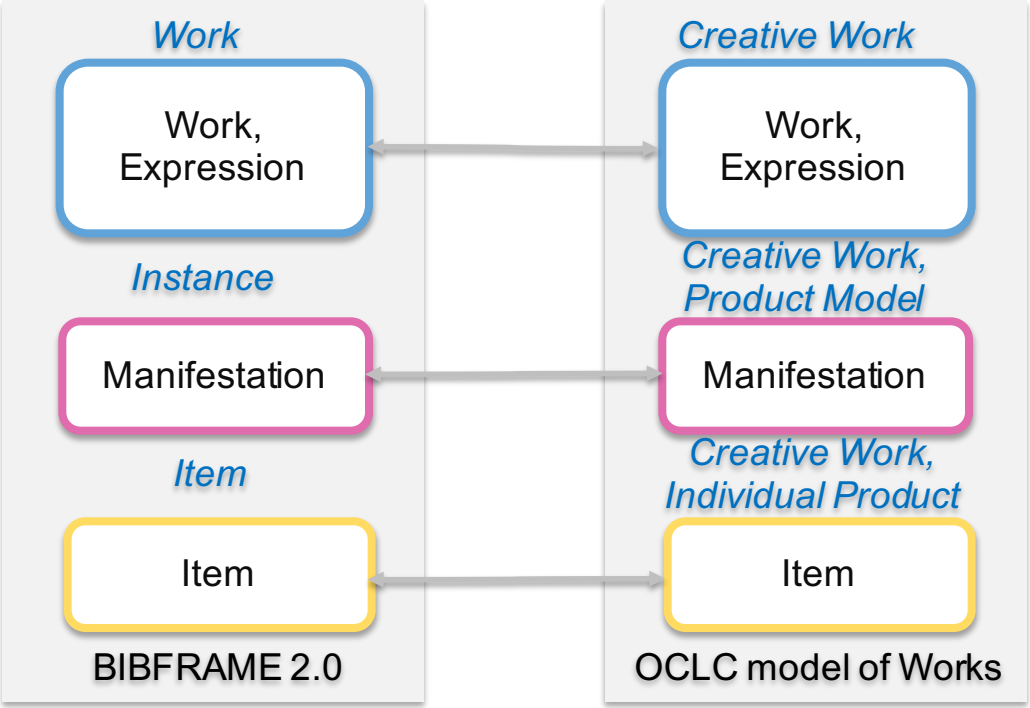
“Common Ground” action items

- Updating the technical analysis based on deliberation with the Library of Congress
- Doing groundwork for the action items
  - Importing and exporting BIBFRAME
  - Testing compatibilities
    - Including OCLC Work identifiers and links to other entity hubs in BIBFRAME descriptions
    - Reconciling BiblioGraph vocabulary with BIBFRAME
    - Modeling of specialized resource types (e.g., audiovisual materials from the perspective of professional curators).

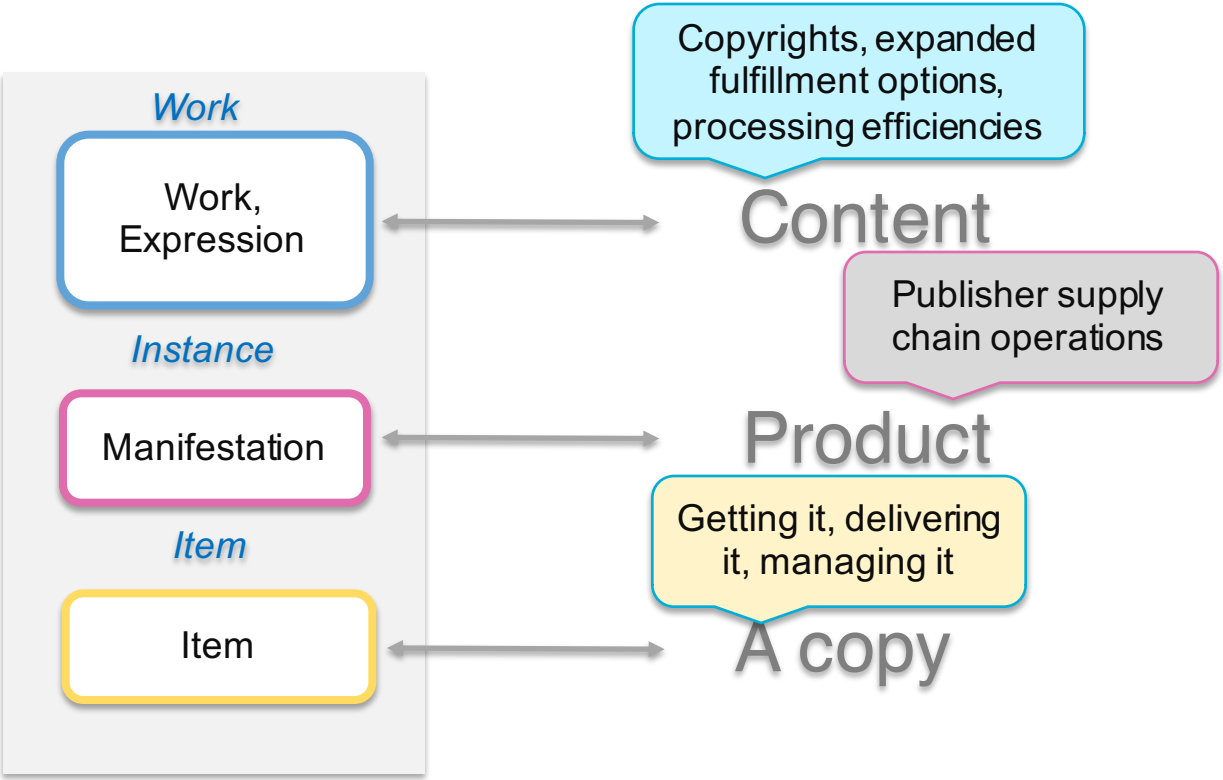
Creative Works – two views



Creative Works – differences reconciled



Identifiers for different use cases



DEVELOPING PRODUCTION SERVICES

• WorldCat Person Entity Lookup Pilot

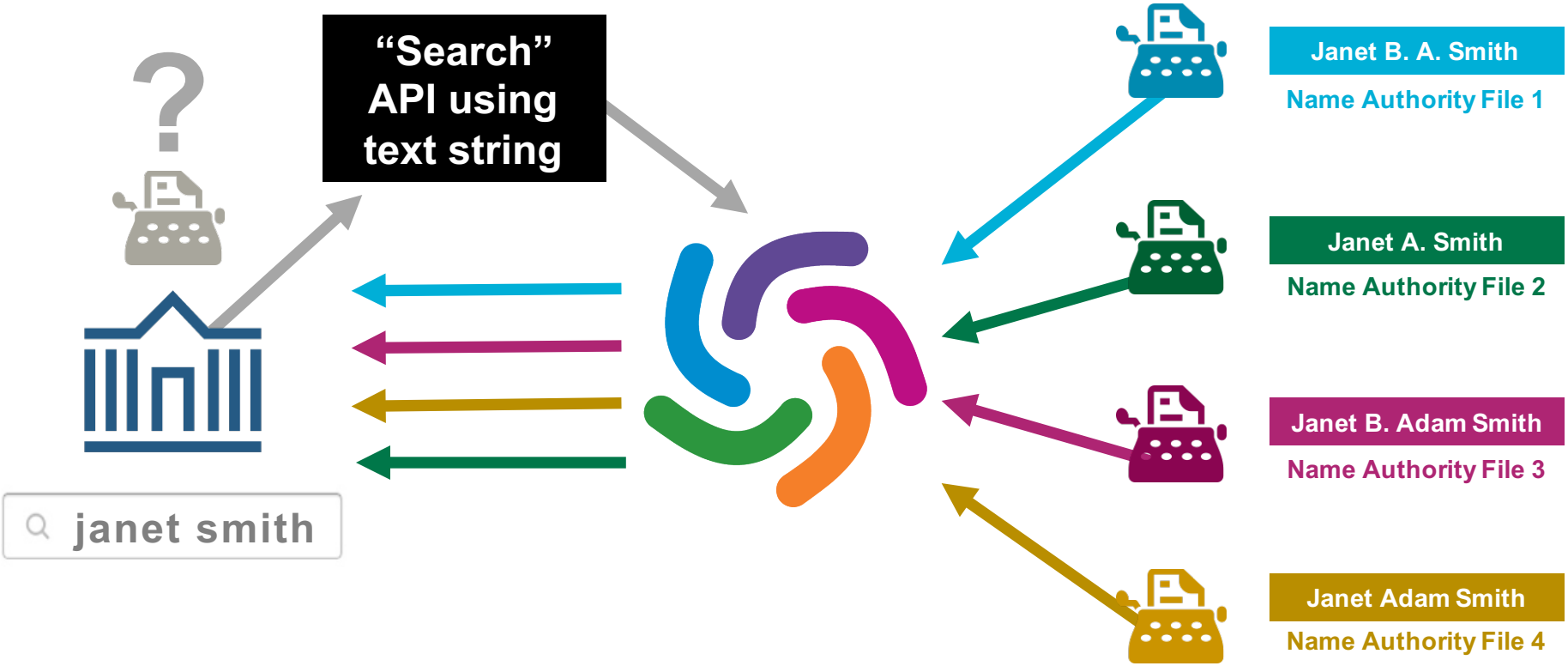
- What's the problem?
  - Libraries need a way to **find and identify people** using common identifiers
  - Many identifiers **lack statements about relationships**

• WorldCat Person Entity Lookup Pilot

- How does it work?
  - Users can find and identify persons with common IDs
  - Users can enter text (for example, a personal name)
  - Information returned includes other IDs, birth/death dates, roles, etc.
- Pilot participants
  - Biblioteka Narodowa (Poland), Cornell, Deutsche Nationalbibliothek (Germany), Harvard, LC, NLM, Stanford, UC Davis, Pepperdine, swissbib, Drexel

WorldCat Person Entity Lookup Pilot

WorldCat Person Entity Lookup Pilot



WorldCat Person Entity Lookup Pilot Demonstration Apps

Autocomplete

Using the Search service, take user-entered text input and prompt matching names, with related topics and birth and death dates, in a drop-down list under the user's input. When an entry is selected link to the "Search" Demonstration App.

Autocomplete/Search Hybrid

Using the Search service, take user-entered text input and prompt matching names and Person Entity URIs with additional Person Entity metadata on a series of tiles. When an entry is selected link to the "Search" Demonstration App.

Search

Using the Search service, look for exact matches, and with the Person Entity data look for more information from Wikidata and DBPedia, utilizing the Person Entity Lookup "Same As" service to get their related URIs.

OCLC | Privacy Policy

WorldCat Person Entity Lookup Pilot Demonstration Apps Autocomplete/Search Hybrid

Search Terms

janet sm

Query Type

Default

Preferred Language

English (United States)

Janet Adam Smith

Role: Author

Related Topic: Children's p lish

Born: Dec 9, 1905
Died: Sep 11, 1999

Janet Adam Smith

Janet Buchanan Adam Smith

Janet Smalley

Role: Author

Related Topic: Orphans

Born: 1893
Died: 1965

Janet Smalley

Janet E. Smith

Role: Author

Related Topic: Birth control--Religious aspects--Catholic Church

Born: Jan 1, 1950

Janet E. Smith

Janet Smith

Pauline Smith

Role: Author

Related Topic: Literature

Born: Apr 2, 1882
Died: Jan 29, 1959

Janet Levarie Smarr

Role: Author

Related Topic: Italian literature

Born: May 20, 1949

Janet S. Ross

Role: Author

Related Topic: Human physiology

Born: 1917

WorldCat Person Entity Lookup Pilot Demonstration Apps Search

Search Terms

2627076440

Preferred Language

English (United States)

Janet Adam Smith

http://worldcat.org/entity/person/id/2627076440

Role: Author

Related Topic: Children's poetry, English

Born: Dec 9, 1905
Died: Sep 11, 1999

Scottish writer, editor and journalist [WikiData]

Janet Adam Smith (9 December 1905 – 11 September 1999) was a writer, editor, literary journalist and champion of Scottish literature. She was active from the 1930s through to the end of the century and noted for her elegant prose, her penetrating judgement, her independence of mind – and her deep love of mountains and mountaineering. Leonard Miall wrote: "Biographer, mountaineer, critic, literary editor, textual scholar, comic versifier, visiting professor, hostess, anthologist, traveller – there seemed to be nothing at which Janet Adam Smith did not shine. And she shone with an intensity that made others glow in response." [DBPedia]

[Image Source]

LIBRARY OF CONGRESS

ASK A LIBRARIAN | DIGITAL COLLECTIONS | LIBRARY CATALOGS | Search | Search Loc.gov | GO

The Library of Congress > Linked Data Service > LC Name Authority File

Smith, Janet Adam

From Libr

Details

Smi

URI(s)
- http://id.

Instance C
- MADS/F
- MADS/F
- SKOS C

Scheme M
- Library

Collection
- Names
- LC Nam

Use For
- n84042

Exact Mat
- http://via

Sources
- found: F
- found: Ir

Change N

About: Janet Adam Smith

An Entity of Type : agent, from Named Graph : http://dbpedia.org, within Data Space : dbpedia.org

DBpedia

Janet Adam Smith (9 December
through to the end of the century
mountaineering.

Property
dbo:abstract
dbo:birthDate
dbo:birthYear
dbo:deathDate
dbo:deathYear
dbo:thumbnail
dbo:wikiPageExternalLink

VIAF

Virtual International Authority File

Search

Select Field: | Select Index: All VIAF | Search Terms: | Search

Smith, Janet Adam.

Smith, Janet Adam, 1905-1999

Janet Adam Smith

Smith, Janet Buchanan Adam, (1905-1999)

VIAF ID: 16050718 (Personal)

Permalink: http://viaf.org/viaf/16050718

VISUALIZING LINKED DATA

EntityJS

- OCLC Research is experimenting with how to use linked data in an experimental discovery system we call “EntityJS”

EntityJS ArchiveGrid

SIGN OUT

lincoln

Person

Pres. U.S. Abraham Lincoln , 1797 - 1806
Mrs. Mary (Todd) Lincoln , 1810 - 1878
Lincoln Kirstein , 1907 - 1996,
Robert Todd Lincoln , 1843 - 1926
Lincoln family.
Tad Lincoln , 1853 - 1943
Nancy Hanks Lincoln , 1784 - 1818
Lincoln Steffens , 1866 - 1936,
Levi Lincoln , 1782 - 1868
George Lincoln Burr , 1857 - 1938

Organization

William E. Barton Collection of Lincolniana (University of Chicago)
Abraham Lincoln Presidential Library and Museum.
Chamber Music Society of Lincoln Center.
Jazz at Lincoln Center (Organization)
United States. President (1861-1865; Lincoln).
Lincoln Center Jazz Orchestra.
McLellan Lincoln Collection (Brown University)
Lincoln Memorial University
Lincoln University (Pa.)
Ford Motor Company. Lincoln-Mercury Division.

Concept

Abraham Lincoln's
Lincoln automobile
Lincoln automobile
Funeral journey of
Lincoln Memorial (
Lincoln-Douglas De
Lincoln Continenta
Lincoln Continenta
Lincoln Day
Lincoln (Bomber)

Place

Nebraska--Lincoln.
Massachusetts--Lincoln.
Maine--Lincolnville.
Illinois--Lincoln.
England--Lincolnshire

Event

Lincoln-Douglas Debates (Illinois : 1858)
Lincoln Center Festival.
Lincoln Center Festival.
Lincoln Center Festival.
Lincoln Center Festival.

Work

Gettysburg addres
Emancipation Proc President (1861-18
Lincoln Truck Rent 1958 April 19 : 73 (
Fort Lincoln : histo

EntityJS ArchiveGrid

SIGN OUT

GO TO SEARCH

Lincoln, Robert Todd, 1843-1926

About

Born: Aug 1, 1843

Died: Jul 26, 1926

Robert Todd Lincoln (August 1, 1843 – July 26, 1926) was an American lawyer and Secretary of War, and the first son of President Abraham Lincoln and Mary Todd Lincoln. Born in Springfield, Illinois, United States, he was one of two of Lincoln's four sons to live to adulthood, and the only one to survive into the 1900s.

Father:
Abraham Lincoln

Mother:
Mary Todd Lincoln

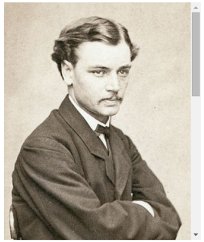
Spouse:
Mary Eunice Harlan

Related Works

As a Creator

[Letter] 1911 April 28 [to] Mr. Starrett?
Autograph letter signed : Chicago, to [Henry Mills] Alden, n.p., 1895 Nov. 21.
Autograph letter signed : Chicago, to [Henry Mills] Alden, n.p., 1895 Nov. 21.
Autograph letter signed from Robert Todd Lincoln, Chicago, to Miss Post 1901 January 29.
Autograph signature of Robert Lincoln to a typewritten letter : Chicago, to Mr. Morgan, 1908 Jan. 20.
Letter : Chicago, to Belle F. Keyes, Boston, 1885 Dec. 16.
Letter : Chicago, to Clinton L. Conkling,

Related Media



Related People

Abraham Lincoln
Mary Todd Lincoln
William Eleazar Barton
Mrs. James G. Blaine

Related Organizations

William E. Barton Collection of Lincolniana (University of Chicago)
Republican Party (U.S. : 1854-)
United States. Supreme Court.
United States. War Department

Related Places

United States
Illinois.
Illinois--Chicago.
New York (State)

Search across entities

EntityJS ArchiveGrid

SIGN OUT

lincoln

Person

- Pres. U.S. Abraham Lincoln , 1797 - 1806
- Mrs. Mary (Todd) Lincoln , 1810 - 1878
- Lincoln Kirstein , 1907 - 1996,
- Robert Todd Lincoln , 1843 - 1926
- Lincoln family.
- Tad Lincoln , 1853 - 1943
- Nancy Hanks Lincoln , 1784 - 1818
- Lincoln Steffens , 1866 - 1936,
- Levi Lincoln , 1782 - 1868
- George Lincoln Burr , 1857 - 1938

Organization

- William E. Barton Collection of Lincolniana (University of Chicago)
- Abraham Lincoln Presidential Library and Museum.
- Chamber Music Society of Lincoln Center.
- Jazz at Lincoln Center (Organization)
- United States. President (1861-1865; Lincoln).
- Lincoln Center Jazz Orchestra.
- McLellan Lincoln Collection (Brown University)
- Lincoln Memorial University
- Lincoln University (Pa.)
- Ford Motor Company. Lincoln-Mercury Division.

Concept

- Abraham Lincoln's political career before 1861
- Lincoln automobile
- Lincoln automobile
- Funeral journey of Abraham Lincoln to Springfield
- Lincoln Memorial (Washington, D.C.)
- Lincoln-Douglas Debates, Ill., 1858
- Lincoln Continental automobile
- Lincoln Continental automobile
- Lincoln Day
- Lincoln (Bomber)

Place

- Nebraska--Lincoln.
- Massachusetts--Lincoln.
- Maine--Lincolnville.
- Illinois--Lincoln.
- England--Lincolnshire

Event

- Lincoln-Douglas Debates (Illinois : 1858)
- Lincoln Center Festival.
- Lincoln Center Festival.
- Lincoln Center Festival.
- Lincoln Center Festival.

Work

- Gettysburg address (Lincoln, Abraham)
- Emancipation Proclamation (United States. President (1861-1865 : Lincoln))
- Lincoln Truck Rental photographs, 1947 Feb. 17-1958 April 19 : 73 Gilbert Street
- Fort Lincoln : history and construction

Interested in EntityJS?

- More info at OCLC Research Update
  - Monday, 10:30-11:30
  - Boston Convention Center - Room 253C