

Library of Congress Case

INLS 818

Context

- 1995 LoC initiated the NDL
- 1995 2 year contract with UMD to collaborate on interface development
- University team to drive near-term design through prototypes, LoC team to implement within current constraints.

LoC ACCESS Team and Process

- 1. Design team: analysts, programmers, librarians, and interface designers.**
- 2. Strong perspective based on short courses**
occasional users, touch screen, discrete and continuous buttons
- 3. Regular meetings with brainstorming encouraged**
- 4. Prototype subtasks assigned**
- 5. Preliminary designs critiqued**
- 6. Revision and continued critique**
- 7. User testing**
- 8. Revision**
- 9. Continued extension**

LC NDL Project Plan

1. Needs Assessment

Current Users (RR librarians, patrons, online)

Potential Users (scholars, teachers/SLMS, public)

2. Structure Analysis

Current Content & Organization (e.g., collection/item record)

Future Content & Organization

3. Develop feature space (collect, analyze exemplars)

4. Agree on first principles, metaphor, outline guidelines

5. Sketch designs, group critique

6. Prototypes, “discount” user tests (3 iterations planned)

7. Final prototype(s) and extended user tests

8. Reflection and evaluation of process, final guidelines

Needs Assessment

- 9 Reading Rooms
- 3 part structured interview (in teams)
 - Content, users, strategies
 - Yielded lists of special interface challenges
- Day care center questionnaire
- Key issues
 - Novelty (DLs were new)
 - Diversity in experience (domain, technology)
 - Diversity in platforms
 - Volume, diversity, formats, granularities of materials (digital+analog, finding aids+collections+primary, lack of common metadata)

Design Goals

- Minimize disorientation by reducing navigation (e.g., minimize scrolling and jumping, flattening hierarchy) and anchoring users in a consistent context;
- Provide primary information at the earliest point in the interaction as possible;
- Support rapid relevance decisions through overviews and previews.

Technical Decisions

- Use dynamic query interactions
- To cope with limitations of HTML display and cgi interaction, use Java and JavaScript
- To cope with metadata issues, divide into across collection browser and within collection browser (overview and preview distinctions)

Visualizations for Overviews and Previews


- Aim for user-manipulable VIEWS rather than alchemy
- Overviews are constructed from, and represent COLLECTIONS
- Previews are extracted from and are surrogates for OBJECTS
- Dynamic query approach with starfield and barfield displays
- Visualization widgets are embedded in larger user tasks

Entry Mockup #1



American Memory

Welcome



American Memory is the Library of Congress offering of primary-source and archival collections relating to American culture and history. These collections are the Library of Congress's key contribution to the national digital library. Most of these collections have been drawn from the holdings of the Library's special collections divisions. Each collection is accompanied by introductory material, users' guides, and bibliographies for further research.

<h3>Browse Collections by:</h3> <ul style="list-style-type: none">• Collection Title [A-C, D-G, H-L, M-Q, R-U, V-Z]• Formats [Text, Image, Sound, Map, Motion Picture]• Names [A-C, D-G, H-L, M-Q, R-U, V-Z]• Time Period [16th century, 17th, 18th, 19th, 20th]• Place• Topic• Event	<h3>Search all Items in all Collections</h3> <ul style="list-style-type: none">• Quick Search (keywords or phrases) Examples: Whitman, Alabama, Civil War<ul style="list-style-type: none">• <input type="text"/>• <input type="text"/>• <input type="text"/> <input type="button" value="Search"/>• Enhanced Search
<h3>Virtual Information Desk</h3> <ul style="list-style-type: none">• Quick Audio Tour (0.5Mb)• Virtual Reality Tour• Other Tours [scholar, student, teacher]• Guided Search• Technical Requirements• Questions [FAQ, survey, comments]• Tips [visitors, researchers]• Recommendations for Educators (Learning Page)	<h3>Hot Topics</h3> <ul style="list-style-type: none">• Top Ten [Brady, Learning, ...]• Current Interest Small Exhibits• Exhibits [Texas, Edison, War, ...] <h3>New Arrivals</h3> <ul style="list-style-type: none">• [Baseball Cards, Pulp Fiction, ...]



Library of Congress, American Memory


Comments: plaisant@cs.sumd.edu

June 6, 1996



American Memory Introduction

[Text-only version](#)
[ShockWave Version](#)
[\[Prototype Note\]](#)


 Browse & Select
 Collections



Search

Quick

Enter phrases below

Search All Collections

Search Selected Collections

Enhanced



Information



Information for
 Life-long Learners



Special Presentations



New Arrivals

Historical Collections for the National Digital Library



Continental
 Congress



Coolidge Consumerism



Folklore



Civil War
 Photos



African American
 Pamphlets



Nation's
 Forum

Collection Samples

American Memory is the Library of Congress offering of primary-source and archival collections relating to American culture and history. These collections are the Library of Congress's key contribution to the national digital library. Most of these collections have been drawn from the holdings of the Library's special collections divisions. Each collection is accompanied by introductory material, users' guides, and bibliographies for further research. Only a small portion of the huge collections of the Library of Congress is digitized. The Digital Collections mainly include historical and uncopyrighted or out-of-copyright materials. It is a constantly growing collection that contains both primary materials and secondary materials (e.g. indexes, finding aids).

The available services are listed on the left side of the screen. We recommend that you browse and select collections of interest. The [Information Desk](#) provides special tours and answers frequently asked questions. A particular effort has been made to provide [information for educators and life-long learners](#) (the "learning pages") to help use the collections.

Sample Special Presentations

- [The Progress of a People: Special Presentation from the African-American Pamphlets from the Daniel A. P. Murray Collection, 1880-1920](#)
- [Become a Historical Detective](#)



Search

Quick
Enter phrases below

Search All Collections
Search Selected Collections

Enhanced



Information

Information for
Life-long Learners

Special Presentations



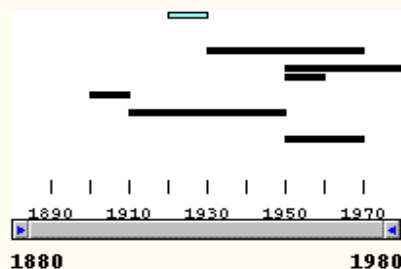
New Arrivals

Browse & Select Collections

[\[Prototype Note\]](#)

Collection Overview

Time



Collection Filters

Topic

Regional
Government and Law
Language and Literature
Fine and Decorative Arts
Business and Economics
History
Health and Medicine
Technology and Applied Sciences
All

Format

Movie
Sound
Map
Photograph
Manuscript
All

Place

Northeast Emphasis
Mexico
Midwest Emphasis
Caribbean
France
Northeast Emphasis
West Emphasis
All US
All

Collection List

Order Collections by:

Collections: 19 # Visible : 7 # Selected : 12

To browse a Collection, click on its title

Checked Collections are selected for Quick and Enhanced searches

A - F
<input type="checkbox"/> Ara Shirinian collection (Fake)
<input checked="" type="checkbox"/> Coolidge-Consumerism Collection
<input type="checkbox"/> Earl Jones collection (Fake)
<input type="checkbox"/> Ford Automobile History Collection (Fake)
G - L
<input type="checkbox"/> Gary Jones - Railroad safety Collection (Fake)
M - R
<input type="checkbox"/> Marchionni-History of Browsing Collection (Fake)
<input type="checkbox"/> Plaisant Publishing Company collection (Fake)
S - Z

The Coolidge-Consumerism collection assembles a wide array of LC primary-source materials from the 1920s, some 17,000 pages reflecting the prosperity of the Coolidge years, the nation's transition to a mass-consumer economy, and the role of government in this transition. The selective thematic focus and range of formats in this collection represent an effort to assemble topical bodies of material as opposed to reproducing preestablished collection entities.

Immediate Access to Primary Material (Treasures to the Surface)

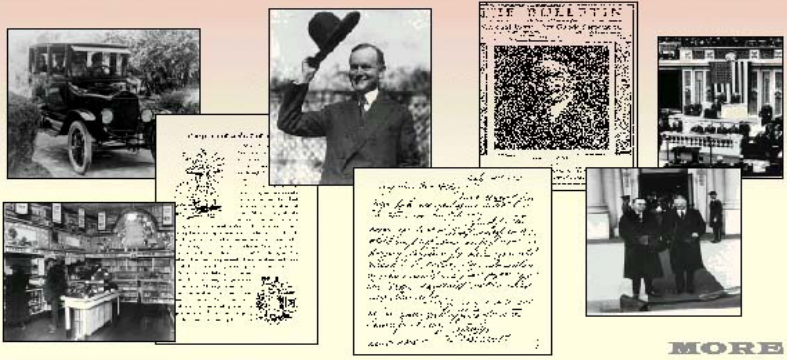
Netscape - [Coolidge Collection (HCIL prototype)]
File Edit View Go Bookmarks Options Directory Window Help

LIBRARY OF CONGRESS AMERICAN MEMORY COOLIDGE COLLECTION

[Text-only version](#) [\[Prototype Note\]](#)

The Coolidge Era and the Consumer Economy, 1921-1929

Samples from the collection:



Introduction


The Coolidge-Consumerism collection assembles a wide array of Library of Congress primary-source materials from the 1920s, reflecting the prosperity of the Coolidge years, the nation's transition to a mass-consumer economy, and the role of government in this transition. The multi-media materials include rare and hard-to-find items from the General Collections, both books and magazines, as well as documents from personal and organizational papers in the Manuscript Division, photographs from the Prints and Photographs Division, and a modest sampling of motion picture footage and radio excerpts of speeches by President Coolidge from the Motion Picture and Recorded Sound Division. The [Preface](#) by Carren Kaston provides Credits and describes access methods to the materials.

Samples from the collection

Library of Congress
American Memory
Introduction
Browse
Search
Quick
Enter phrases below
Quick search
Enhanced
Information
Information for Life-long Learners
Special Presentations

Dynamic Queries: Close coupling of queries and results in overviews

Library of Congress



American Memory

Browse & Select Collections

Search

Quick
Enter phrases below

Search All Collections

Search Selected Collections

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Special Presentations

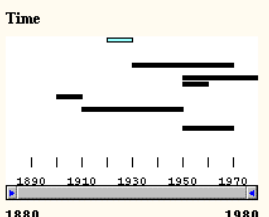
New Arrivals

LIBRARY OF CONGRESS AMERICAN MEMORY

Browse & Select Collections [\[Prototype Note\]](#)

Collection Overview

Time



1880 1910 1930 1950 1970 1980

Collection Filters

Topic	Format	Place
Regional	Movie	Northeast Emphasis
Government and Law	Sound	Mexico
Language and Literature	Map	Midwest Emphasis
Fine and Decorative Arts	Photograph	Caribbean
Business and Economics	Manuscript	France
History		Northeast Emphasis
Health and Medicine		West Emphasis
Technology and Applied Sciences		All US
All	All	All

Collection List

Order Collections by: Title Time Topic Format Place # Collections: 19 # Visible : 7 # Selected : 12

To browse a Collection, click on its title

Checked Collections are selected for Quick and Enhanced searches Select All Clear All

A - F

Ara Shirinian collection (Fake)

Coolidge-Consumerism Collection

Earl Jones collection (Fake)

Ford Automobile History Collection (Fake)

G - L

Gary Jones - Railroad safety Collection (Fake)

M - R

Marchionni-History of Browsing Collection (Fake)

Pleasant Publishing Company collection (Fake)

S - Z

The Coolidge-Consumerism collection assembles a wide array of LC primary-source materials from the 1920s, some 17,000 pages reflecting the prosperity of the Coolidge years, the nation's transition to a mass-consumer economy, and the role of government in this transition. The selective thematic focus and range of formats in this collection represent an effort to assemble topical bodies of material as opposed to reproducing preestablished collection entities.

Hierarchical Overview Tool: WebToc

The screenshot shows a Netscape browser window with a WebToc tool on the left and a website on the right. The WebToc tool has a legend for Text (blue), Images (green), Audio (red), and Other (purple). It includes a size bar from 1K to 100M and a search field. The website, titled 'American Variety Stage: Vaudeville and Popular Entertainment 1870-1920', features a central image of a vaudeville performer and navigation links for Houdini, Theater Playbills and Programs, Sound Recordings, Motion Pictures, English Playscripts, and Yiddish Playscripts. The bottom of the website has a search bar and links to subject and author indexes.

WebToc

Text Images Audio Other

Shadow shows number of items

Size (bytes) 1K 10K 100K 1M 10M 100M

Titles&Lines Size Bars Contract Search:

American Variety Stage

- /ammem/ammemhome.html
- Houdini
- Theater Playbills and Programs
- Sound Recordings (Coming Soon)
- vsimage.html
- Motion Pictures
- English Playscripts
- Acknowledgments
- Yiddish Playscripts
- Search
- Subject
- Author
- The American Variety Stage
- Acknowledgments
- Editor's Note
- Images
- Video
- How to Order Photographic Reproductions
- Copyright and Other Restrictions
- Search All Collections
- Browse All Collections

AMERICAN MEMORY LIBRARY of CONGRESS

American Variety Stage: Vaudeville and Popular Entertainment 1870-1920

Houdini

Theater Playbills and Programs

Sound Recordings

Motion Pictures

English Playscripts

Yiddish Playscripts

דער פֿונדאטאָר

Selected Materials from the Library of Congress

Search by Keyword | Browse the **Subject** or **Author** Index

WebToc details

The screenshot shows a Netscape browser window titled "Netscape - [WebMuseum, Paris]". The address bar contains the URL "http://sunsite.unc.edu/wm/paint/auth/cezanne/sl/peppermint/". The main content area is split into two panes. The left pane displays the "WebTOC" interface, which includes a filter bar with tabs for "Text", "Images", "Audio", and "Other". Below the filter bar are two sliders: "Size (bytes)" ranging from 1K to 1M and "Number of items" ranging from 0 to 200. There are also dropdown menus for "Titles&Lines", "Item Bars", "Contract", and "All links", along with a search field containing the text "still". The main list shows a hierarchical structure of links, with "Paul Cézanne" expanded to show various still life paintings, including "Still Life with Peppermint Bottle". The right pane displays a still life painting by Paul Cézanne, featuring a glass bottle, a decanter, a glass, and several oranges on a table.

WebTOC

Text Images Audio Other

Size (bytes) 1K 10K 100K 1M


Number of items 0 50 100 150 200

Titles&Lines Item Bars Contract All links Search: still

- WebMuseum, Paris
 - WebMuseum network
 - Friedrich-Alexander Universität of Erlangen-Nürnberg
 - all over the world
 - Paul Cézanne
 - Cubism
 - Juan Gris
 - Still Lives
 - Impressionism
 - Pierre Auguste Renoir
 - Still Lives
 - The Still Life gallery
 - Still Life with Compotier
 - Still Life
 - cezanne.still-life.jpg
 - Still Life with Basket of Apples
 - Still Life with Apples
 - Still Life with Peppermint Bottle
 - Still Life with Plaster Cupid
 - Still Life with Onions and Bottle
 - cezanne.still-apples.jpg
 - Still Life with Watermelon and Pomegranates
 - Still Life: Apples Bottle and Chairback
 - Les très riches heures du Duc de Berry
 - Famous Paintings
 - Visit Paris
 - Auditorium
 - All you ever wanted to know
 - What's New in the WebMuseum
 - Vincent van Gogh
 - Still-Lives with Sunflowers
 - hosting sponsor home page
 - SunSITE University of North Carolina
 - OIR University of Central Florida
 - Yet Another Webservice Provider

Results: Giving the user more information

Library of Congress



Introduction

Browse

Search

Quick
Enter phrases below

Quick search


Enhanced

Information

Information for
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Special Presentations

LIBRARY OF CONGRESS AMERICAN MEMORY








Search

The Coolidge Era & the Consumer Economy 1921-1929

SEARCH	SUMMARY
Scope	<i>Coolidge Collection</i>
Date	<i>1923-1927</i>
Format	<i>All</i>
Attributes	<i>Word(s) or Phrase(s) in ALL fields :automobile</i>

RESULTS	SUMMARY
Results	<i>19 hits</i>
Preview	All , 12 photos , 2 motion pictures , 1 periodical , 1 manuscript , 1 sound recording , 2 notes
Order by	Relevance <input style="width: 50px;" type="text"/>

Detailed results

Title	Item	Descriptive information	
High school girls learn the art of automobile mechanics, 1927.	 Photo	Catalog record	
Some things new in grease paint. Miss Grace Wagner, a student at Central High, Wash., D. C. is learning the art of auto mechanics, 1927.	 Photo	Catalog record	
Moton Papers. Moton Correspondence with the Dunbar National Bank of New York City, 1928-29.	 Manuscript	Catalog record	Notes
Calvin Coolidge Speech: Law and order, 1923.	 Sound	Catalog record with transcript	Notes
National Retail Dry Goods Association Bulletin, 1926.	 Periodical	Catalog record	Notes

Gathering tool to create personal collections

Netscape - [http://www.cs.umd.edu/p...athcoll/collection.html]

File Edit View Go Bookmarks Options Directory Window Help

Catherine's Collection

	My great grandfather.
	Enter your text here.

Comments:

here is an example of what you can do with Netscape Gold's built-in

Using the Edit feature in Netscape Gold 3.0 enables the user to locally edit the page content, including the image thumbnails. The user can then customize it to his/h

Video browser with animated display of key frames

LIBRARY OF CONGRESS AMERICAN MEMORY COOLIDGE COLLECTION

What happened on Twenty-third Street New York City

Movie Browser prototype v.2

Preview Method: Animated Thumbnail 'Video Wall'

What happened on Twenty-third Street, New York City

 1 of 2

 2 of 2



View this film.
(AVI Format....15,293,814 bytes)...To download the film for future viewing, be sure to set your browser to the "load to disk" or "retrieve to disk" option.

United States : Thomas A. Edison, Inc., 1901.

NOTES

H7985 U.S. Copyright Office

Copyright: Thomas A. Edison; 21Aug1901; H7985.

Duration: 1:22 at 15 fps.

A street level view from the sidewalk, looking along the length of 23rd Street. Following actuality footage of pedestrians and street

Thumbnail Page Browser

Netscape - [Collection Browser]

File Edit View Go Bookmarks Options Directory Window Help

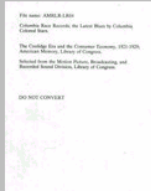
Coolidge Collection: Columbia Race Record

[Bibliographic Record](#) [Thumbnails](#) [Notes](#)


Here is the description for Columbia Race Record.

Table of Contents:


- [Page 0](#)
- [Page 1](#)
- [Page 2](#)
- [Page 3](#)
- [Page 4](#)
- [Page 5](#)
- [Page 6](#)
- [Page 7](#)
- [Page 8](#)
- [Page 9](#)
- [Page 10](#)
- [Page 11](#)




[Page 0](#)



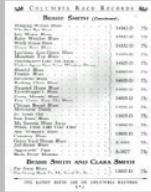
[Page 1](#)




[Page 2](#)




[Page 3](#)




[Page 4](#)




[Page 5](#)




[Page 6](#)




[Page 7](#)




[Page 8](#)



[Page 9](#)



[Page 10](#)



[Page 11](#)


Document: Done

Image Browser-Collector

Prev. 10 < -> Next 10 Deselect All Select All Create Personal Collection

Flag → Flag → Flag → Flag → Flag → Flag → Flag → Flag → Flag → Flag →

[1 of 10](#) [2 of 10](#) [3 of 10](#) [4 of 10](#) [5 of 10](#) [6 of 10](#) [7 of 10](#) [8 of 10](#) [9 of 10](#) [10 of 10](#)



5 images are currently selected. 