



*Realizing Benefits for Scholars and
the Digital Library Community
through DLF Aquifer*

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DLF Fall Forum, November 2007

Focus on *American Social History* *Online*

- Mellon funded project within DLF Aquifer initiative
- Outcome to make digital collections in American culture and life easier for scholars to find and use
 - Aggregate content to enable multiple collections to be used as one
 - Deliver content through multiple channels

Who's who

- *American Social History Online* relies on Aquifer working groups, collaborative infrastructure in place
- Core team focused on development and assessment, coordination with working groups
 - Susan Harum (UIUC) business analyst/assessment expert
 - Kat Hagedorn (Michigan) data analyst
 - Chick Markley (Freewheeling contractor) systems architect/developer
 - Tom Habing (UIUC) developer

Overview of accomplishments

- Architecture
- Portal with Zotero—initial SEO analysis
- MODS
 - Guidelines
 - Levels of adoption
 - MARC to MODS transform
- Harvesting workflow
- Agile development process

What's next

- Add collections—attend open discussion session to find out more
 - Workflow, including asset actions
 - Support for static repositories
- Develop “local implementations”
 - Sakai @ Indiana
 - Federated search @ UIUC
- More SEO
- Assessment planning
- Sustainability planning

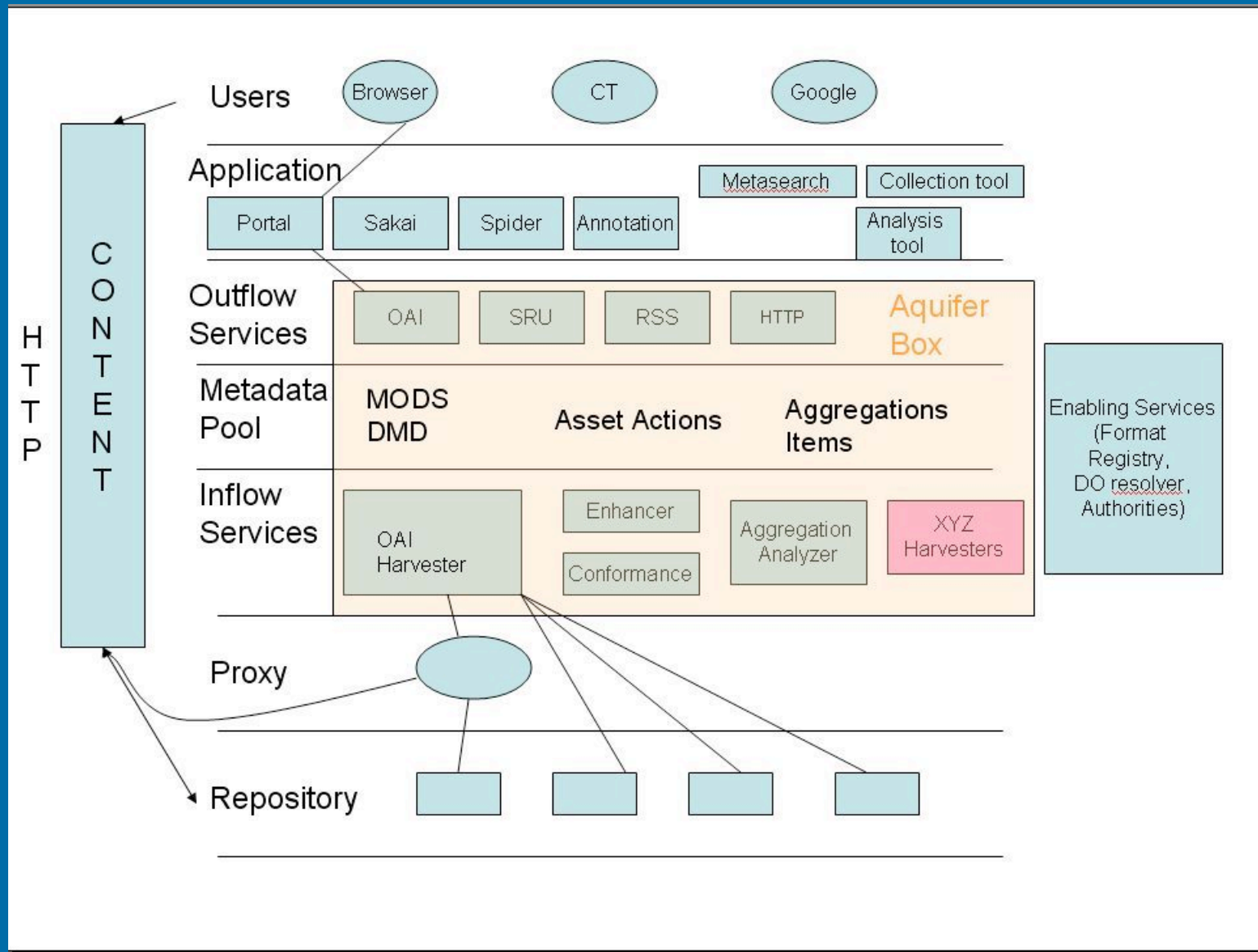
Beyond *American Social History* *Online*

- More metadata remediation and enhancement
- More tools integration
 - Workflow
 - End user

Chick Markley

- Systems Architect and Developer
- Technorati
- Personal Bee
- Innovative Interfaces (23 years)

Inherited



Harvester
ruby

to JSON
java

Rails
ruby

services

JSON
mysql

MODS
mysql

to SOLR
java

SOLR/Lucene
java

bots

to eXist
java

eXist
java

browsers

Asset Actions

- Collectus Tool
- Service call
- Ask Tom

Simile Timeline

American Social History - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://www.dfaquifer.org/search/images?page=1

american social history

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american social history online

philadelphia GO advanced search

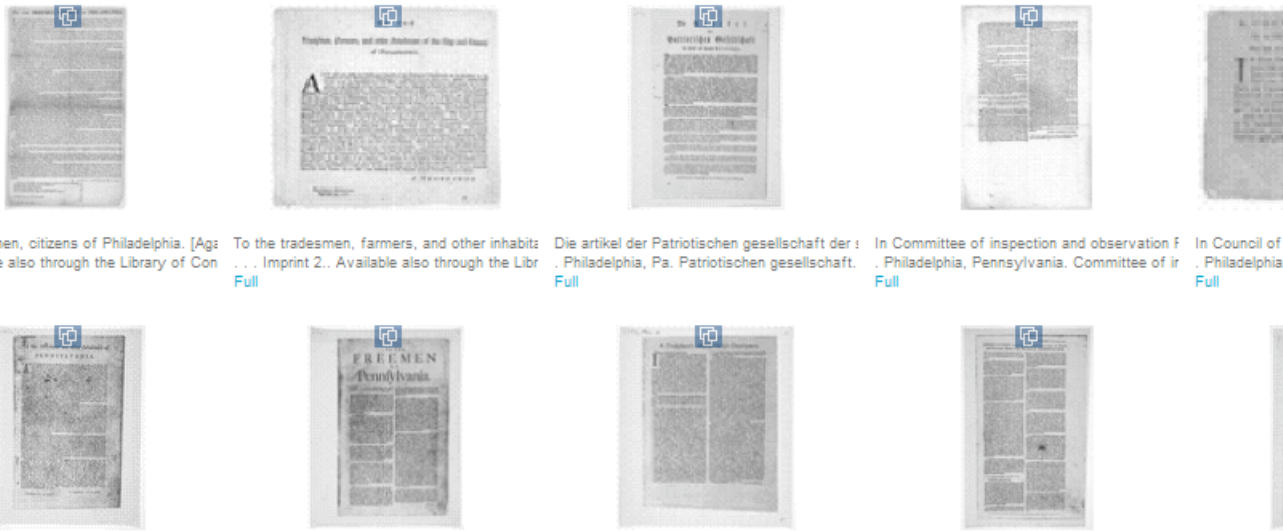
home | about | collections | tools

Search for: Sort by: Relevance Years: to Search Use Advanced Search

Break results down by: subject | topic | place | name | genre | year | collection | language | media type | [undo breakdown]

Timeline View List View

Found 172 records « Previous 1 2 3 4 5 6 7 8 9 ... 11 12 Next »



To the Freemen, citizens of Philadelphia. [Ag... Available also through the Library of Con Full

To the tradesmen, farmers, and other inhabi... Imprint 2.. Available also through the Lib Full

Die artikel der Patriotischen gesellschaft der : Philadelphia, Pa. Patriotischen gesellschaft. Full

In Committee of inspection and observation f : Philadelphia, Pennsylvania. Committee of ir Full

In Council of : Philadelphia, Philadelphia, Pennsylvania. Full

Applet connector started

zotero

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http://www.dlfaquifer.org/search/timeline american social history

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GO advanced search browse help

home | about | collections | tools login

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To the Delaware pilots. The regard
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To the Free

New-York. July 25, 1774. Extract of a letter from London, by way of Philadelphia, to a gentleman in this City. "the unhappy disputes which at present subsist between Great Britain and America, fill our

Advertisement. The committee of
New-York. July 25, 1774. Extract of a
Advices from Philadelphia, dated July
Committee-Chamber, July 25, 1774.
The following act came to hand by the
In Provincial congress, Cambridge,
To the citizens of New-York, on the
In Provincial congress, Cambridge,
The following extracts from the votes
Boston, May 24, 1774. The merchants
To the inhabitants of the City and
The following extracts from the votes

In Congress, Friday, June 9, 1775.
Exact plan of General Gage's lines on
A new and correct plan of the town
By his Excellency the Right
Committee-Chamber, New York 1st
The Provincial Congress at their
To the freeholders of the town of
New York, May 8, 1775. Extract of a
By the packet just arrived here and
Williamsburg, Saturday, April 29,
By an express arrived at Philadelphia

[New York Island; Military; unf
This map of the province of
[Map of the country between
In Committee of inspection,
New York, July 1, 1776. By th
A map of the middle British col
A Map of the country round
Philadelphie
In Congress, November 23, 17
In Congress, July 19, 1776. Re
In Congress. December 9, 177
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Timeline © SIMILE

1600 1700 1800 1900

Done zotero

SEO

- bot friendly
- shallow tree to relevant information
- urls reflect relevance
- distinctive headings
- Success? Too early to tell
- There's more to do

American Social History - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://www.dfaquifer.org/heading/group/65?heading_tag=t&order american social history

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home | about | collections | tools

advanced search

Topics found in America from the Great Depression to World War II: Color Photographs from the FSA-OWI, 1939-19

This list is sorted by Distinctive
 view as cloud | view by collection Sort by: distinctiveness | frequency | uniqueness | rarity subject | topic | name | place

| Topic | In this collection | Total |
|---------------------------------------|--------------------|-------|
| Bombers | 26 | 26 |
| Farm Relief | 24 | 24 |
| Homesteading | 20 | 20 |
| Cooperatives | 15 | 15 |
| Transport Planes | 12 | 12 |
| Drilling | 10 | 10 |
| Tobacco Plantations | 9 | 9 |
| Parachuting | 7 | 7 |
| Airplane Equipment | 7 | 7 |
| Gasoline | 6 | 6 |
| Sharecroppers | 6 | 6 |
| Square Dancing | 5 | 5 |
| Peach Orchards | 5 | 5 |
| Railroad Roundhouses | 5 | 5 |
| State Flags | 3 | 3 |
| Sulphur Industry | 3 | 3 |
| Oats | 3 | 3 |
| Feed Stores | 2 | 2 |
| Railroad Sidings | 2 | 2 |
| Children Flying Kites | 2 | 2 |

« Previous 1 2 3 4 5 6 7 8 9 13 14 Next »

Find: Next Previous Highlight all Match case

Applet connector started zotero

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Topics found in America from the Great Depression to World War II: Color Photographs from the FSA-OWI, 1939-1945

view as list | view by collection subject | topic | name | place

Agricultural Laborers **Air Bases** Airplane Equipment Artificial Rubber Industry **Assembly Line Methods** Barbecues

Barrage Balloons Bayous Beans **Bombers** Bottle Industry Brick Industry Bus Stops Camouflage Military Science Cargo Ships Carpentry Cattle Ranches

Children Flying Kites Children Playing With Marbles **Civil Service** Clearing Of Land **Construction Industry** Cooperatives Cotton

Plantations Dikes Engineering **Drilling** Dugout Houses Eggplants Electricity **Engines** Entertainers Erosion **Fairs** **Farm Relief** Feed

Stores Ferris Wheels Flight Training **Flour Meal Industry** Food Relief Forest Reserves Fuel **Furnaces** Gasoline Gasoline Pumps **Gliders** Grain

Elevators **Harvesting** **Homesteading** Housewives Italian Americans Junkyards Keepsakes Livestock Machine Guns Midways

Migrant Laborers Model Airplanes **National Security** **Night** Norwegian Oats Parachuting Parking Peach Orchards Peaches

Plumbing Stores Railroad Caboose Railroad Construction Maintenance **Railroad Employees** **Railroad Freight Cars** Railroad

Roundhouses **Railroad Shops** **Yards** Railroad Sidings Railroad Switching Refineries Round Dancing Salvage Scientific Equipment

Sharecroppers **Shipping** Spices Spinach Square Dancing Starch Industry State Flags **Sugar Plantations** Sulphur Industry

Sunflowers Tanks Military Science Tinsmithing Tires Tobacco Plantations Tomb Of The Unknowns Va Torpedo Boats **Transport Planes**

Tube Industry Vaccinations **Welding** Wheat Wind Tunnels

Collections

Other things I'm supposed to mention

- OpenID
- Zotero integration
- unAPI
- SRU/SRW
- Collections
- eXist – Xquery
- Transparent process -- XSLT

Why RoR is just too Great

- It's the framework
- DRY (don't repeat yourself)
- Tightly coupled testing harness
- Exuberant and dedicated community

Refactotum

- Community spirit
- Towards more robust code
- Using the test harness
- flog and heckle

Code Example

```
class User < ActiveRecord::Base  
  acts_as_solr  
end
```

Code Example

```
class User < ActiveRecord::Base  
end
```

Significant Resources

- rubyonrails.org/
- simile.mit.edu/
- lucene.apache.org/solr/
- exist.sourceforge.net/
- www.cdlib.org/inside/diglib/datenorm/

Ruby Resources

Gems

- capistrano
- htmlentities
- json
- oai
- ruby-openid

Plug-ins

- acts_as_solr
- cql_to_solr (soon)
- mdd
- will_paginate

Questions? Comments?

Portal: www.dlfaquifer.org

kkott@diglib.org