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

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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
Asset Actions

- Collectus Tool
- Service call
- Ask Tom
Simile Timeline

American Social History Online

Search for: philadelphia  Sort by: Relevance  Years: to  Search  Use Advanced Search
Break results down by: subject topic place name genre year collection language media type
Timeline View  List View

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

To the Freeman, citizens of Philadelphia: [Full]
To the tradesman, farmers, and other inhabitants of Pennsylvania: [Full]

Die Artikel der Pennsylvania gesellschaft der: [Full]
In Committee of inspection and observation 1. [Full]

Applet connector started
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
SEO

- bot friendly
- shallow tree to relevant information
- urls reflect relevance
- distinctive headings
- Success? Too early to tell
- There's more to do
Topics found in America from the Great Depression to World War II: Color Photographs from the FSA-OWI, 1939-1943

This list is sorted by Distinctive.

<table>
<thead>
<tr>
<th>Topic</th>
<th>In this collection</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bombers</td>
<td>26</td>
<td>26</td>
</tr>
<tr>
<td>Farm Relief</td>
<td>24</td>
<td>24</td>
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<tr>
<td>Homesteading</td>
<td>20</td>
<td>20</td>
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<tr>
<td>Cooperatives</td>
<td>15</td>
<td>15</td>
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<tr>
<td>Transport Ranes</td>
<td>12</td>
<td>12</td>
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<tr>
<td>Drilling</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>Tobacco Plantations</td>
<td>9</td>
<td>9</td>
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<tr>
<td>Parachuting</td>
<td>7</td>
<td>7</td>
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<tr>
<td>Airplane Equipment</td>
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<td>7</td>
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<td>Gasoline</td>
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<td>Sharecroppers</td>
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<tr>
<td>Square Dancing</td>
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<tr>
<td>Peach Orchards</td>
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<tr>
<td>Railroad Roundhouses</td>
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<tr>
<td>State Flags</td>
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<td>3</td>
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<tr>
<td>Subhar Industry</td>
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<tr>
<td>Cats</td>
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<tr>
<td>Feed Stores</td>
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<td>2</td>
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<tr>
<td>Railroad Sidings</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Children Flying Kites</td>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>

Previous: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 Next: 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

Find: [ ] Next [ ] Previous [ ] Highlight all [ ] Match case [ ] Zotero [ ]
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

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

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