The digital collection differentiator

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A New Look For Minnesota Reflections

reflections.mndigital.org
Why Bother?
Flexibility

Gumby and Pokey, 2011. Kate Ter Haar.
Minnesota Reflections

All Collections

American Swedish Institute
The American Swedish Institute, a historic museum dedicated to the celebration of Swedish culture, is home to collections on the history of Swedish immigration to the United States, particularly immigration to Minnesota. Swedish-American life and culture and the history of Sweden as it has influenced Swedish America. The ... more

Amherst H. Wilder Foundation
The Amherst H. Wilder Foundation is a non-profit health and human services organization founded by a philanthropic Saint Paul businessman, Amherst H. Wilder and his family. For more than 100 years, Wilder has combined direct service, research, and community development to address the needs of the most vulnerable people in greater Saint ... more

Anoka County Historical Society
The Anoka County Historical Society, in Anoka, Minnesota, collects photographs, printed materials and artifacts related to Anoka County. The society supports genealogical research with a wide range of historical resources. Images Anoka County Historical Society contributed to Minnesota Reflections show early street scenes, business ... more

Baptist General Conference History Center
The work of the Baptist General Conference History Center was established in 1988. Located on the campus of Bethel University, the BGDCHC collects, preserves and disseminates materials significant to Swedish Baptist institutional, cultural, and immigration history; the Baptist General Conference; and Bethel University. The images ... more

Basilica of St. Mary
The archival collection of the Basilica of Saint Mary contains documents and artifacts dating to the parish's founding in 1858. Images contributed to Minnesota Reflections include photographs documenting the life of the church from 1967 to 1966, and also architectural drawings for the interior finish of the Basilica church, rectory ... more

Becker County Historical Society
From Detroit Lakes, Minn., in the northwestern part of the state, the Becker County Historical Society serves the public with a museum, archive collections, cultural demonstrations and K-12 workshops. Their holdings include artifacts dating back to the glacial period of the country, a newspaper microfilm archive, photo collection and an ...
The Minnesota Digital Library (MDL), a service of Minitex, is funded by the Minnesota Arts and Cultural Heritage Fund of the Minnesota Clean Water, Land and Legacy Amendment to the Minnesota Constitution via the Minnesota Historical Society (MNHS). Additional funding is provided by Minitex. MDL’s collaborative partners, including the University of Minnesota, also contribute substantial in-kind services.
The Need for Speed

CDM | Seconds To Respond

[Bar chart showing search times for Nov 2013 and July 2016]
CDM | Seconds To Load

![Bar chart showing the seconds to load for searches from November 2013 and July 2016. The chart compares various searches with different load times, indicating improvements or changes in performance between the two periods.](chart.png)
<table>
<thead>
<tr>
<th></th>
<th>Jul-16</th>
<th>Jul-16</th>
<th>Nov-13</th>
<th>Nov-13</th>
<th>Response % change</th>
<th>Load % change</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Seconds until response</td>
<td>Seconds until loaded</td>
<td>Seconds until response</td>
<td>Seconds until loaded</td>
<td></td>
<td></td>
</tr>
<tr>
<td>compound object</td>
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<td>2.27</td>
<td>6.75</td>
<td>-37.00%</td>
<td>-30.42%</td>
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<td>4.78</td>
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<td>5.27</td>
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<td>-9.30%</td>
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<td>4.61</td>
<td>1.6</td>
<td>5.89</td>
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<td>-21.79%</td>
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<td>1.87</td>
<td>6.9</td>
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<td>-33.53%</td>
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<tr>
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<td>5.03</td>
<td>2.26</td>
<td>7.95</td>
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<td>-36.77%</td>
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<tr>
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<td>4.55</td>
<td>1.55</td>
<td>5.15</td>
<td>-32.69%</td>
<td>-11.72%</td>
</tr>
<tr>
<td>compound item</td>
<td>1.4</td>
<td>5.45</td>
<td>1.9</td>
<td>6.43</td>
<td>-26.32%</td>
<td>-15.29%</td>
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<tr>
<td>search</td>
<td>1.81</td>
<td>13.02</td>
<td>1.97</td>
<td>8</td>
<td>-8.29%</td>
<td>62.71%</td>
</tr>
<tr>
<td>search</td>
<td>1.19</td>
<td>17.03</td>
<td>1.75</td>
<td>8.1</td>
<td>-32.00%</td>
<td>110.21%</td>
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<tr>
<td>home page</td>
<td>1.11</td>
<td>3.08</td>
<td>3.06</td>
<td>4.96</td>
<td>-63.62%</td>
<td>-37.97%</td>
</tr>
</tbody>
</table>
User Experience | What could we do?

CONTENTdm → Discovery
Bethel's yearbook documents the people, events, activities, and ideas of the Bethel community during the school year. It was published annually from 1909 to 1989 except for the years of 1933-36, 1982, 1984-87.

Last indexed: July 07, 2016 3:07 PM
72 items in collection

Last upload finished Thursday, July 07, 2016 1:58:43 PM
72 items (4.282 MB)

Project 1
- Project type: Local
- Items: 0
- Logged in as: jasonnoy

Other Collections
- Augsburg College - Augsburg College Alumni Publications
- Augsburg College - Photograph Collection
- World War I and II Posters
Stone Arch Bridge, 2009. Paul VanDerWerf
CONTENTdm

API - metadata harvesting

IIIF - image harvesting

https://github.com/UMNLibraries
55,851 items from 190 historical societies, libraries, archives, and cultural organizations across Minnesota
1. Edna and Martha Oleson sitting in a horse-drawn buggy, Weaver, Minnesota.

   **Date Created:** 1893
   **Description:** Edna Oleson and her mother, Martha Oleson, may be wearing mourning clothes, as Edna's sister Martha Anderson had died in Ely on November 29, 1893. Martha's funeral took place in Weaver on December 3.
   **Contributing Institution:** Iron Range Research Center
   **Type:** Still Image
   **Format:** Black-and-white photographs

2. Opie family's picnic in the woods, Ely, Minnesota.

   **Date Created:** 1890 - 1910
   **Description:** Mrs. Martha Oleson(?!) taking a picnic with her daughter Edna Opie and grandson Ross Opie.
Ludcke Theater, St. Peter, Minnesota
A Rollicking Riot of Mirth and Merriment.
MAPPING THE STATE: Place Based Discovery in Minnesota Reflections

- Traditional Problems with Geospatial Metadata
- Geospatial Metadata Task Force, work overview
- Applying Geonames to Minnesota Reflections
- Practical Uses for Geocoding
Traditional Problems with Geospatial Metadata:

1. Variations in Geographic Coordinate formats
   a. Numbers (Decimal vs. Degrees, Minutes, Seconds)
   b. Directions (North, South, East, West)

1. Placement of Latitude/Longitude coordinates
   a. Same field vs. different fields?

2. Variation in Field Mapping
   a. DC term: Coverage
   b. DC term: Spatial
   c. DC term: Subject

3. Ambiguous Place Names
Geospatial Metadata Task Force

- Mountain West Digital Library Geospatial Task Force convened in July 2013
- Membership open to all interested staff in both DPLA Service and Content Hubs
- 3 Phases of work (July 2013 - December 2015)
- Charged by the Digital Public Library of America to develop a standard format for recording geospatial metadata
- Discussed and evaluated current situation
- Final Report released December 2015:
  - Instructions for Assigning Geospatial Metadata Using GeoNames
- Task Force’s work is available here: https://z.umn.edu/mwdl-geo
Selecting and Using GeoNames

Why GeoNames?

• Both very granular and wide-ranging
• Contains both latitude and longitude
• Identifies city, township, county, state, country
• Organizes entries into feature classes and codes
• Distinguishes between lakes, rivers, cemeteries, mountains, islands, cities, towns, populated places, etc.
• Linked Open Data ready!
• Expressed as a stable GeoNames URI

http://www.geonames.org/5036934/
CHALLENGE:

Applying **Theoretical Work** to **Actual Records**

- Developed a work plan during the summer of 2016
- Outlined the implementation steps
- Committed to being done by December 2016
- Recruited all interested staff who could devote time to the project
- Time-consuming work (collection by collection AND record by record)
## GEOSPATIAL METADATA -- NEW LOOK

<table>
<thead>
<tr>
<th>Geospatial Field</th>
<th>Action Taken</th>
<th>Reason</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minnesota Reflections</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Geospatial Field:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Minnesota City or Township</td>
<td>left on</td>
<td>Important browsing field for users.</td>
</tr>
<tr>
<td>District</td>
<td>TURNED OFF</td>
<td>Eliminated due to low usage.</td>
</tr>
<tr>
<td>Minnesota County</td>
<td>left on</td>
<td>Important browsing field for users.</td>
</tr>
<tr>
<td>State or Province</td>
<td>left on</td>
<td>Important browsing field for users.</td>
</tr>
<tr>
<td>Country</td>
<td>left on</td>
<td>Important browsing field for users.</td>
</tr>
<tr>
<td>Latitude</td>
<td>TURNED OFF</td>
<td>Information in this field is in the GeoNames URI.</td>
</tr>
<tr>
<td>Longitude</td>
<td>TURNED OFF</td>
<td>Information in this field is in the GeoNames URI.</td>
</tr>
<tr>
<td>Geospatial Metadata Source</td>
<td>TURNED OFF</td>
<td>Information in this field is in the GeoNames URI.</td>
</tr>
<tr>
<td>GeoNames URI</td>
<td>ADDED NEW FIELD</td>
<td>MDL elected to use just the GeoNames URI.</td>
</tr>
</tbody>
</table>
GEOSPATIAL PROJECT -- GETTING IT DONE

Why did we do it?

- Be an early adopter of a new standard
- Be in alignment with DPLA and the other Service and Content Hubs
- Sharing our data more broadly (e.g. Umbra Search)
- Our collections are ready for map-based discovery and other geospatial-based projects
- Be more Linked Open Data ready
Thank you

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Advancing the National Digital Platform: Survey Findings

KENDRA MORGAN, OCLC
Advancing the National Digital Platform:
The State of Digitization in US Public and State Libraries
Kendra Morgan and Merrilee Proffitt
Project Partners

- DPLA
- OCLC
- Public Library Association
- Association for Library Collections & Technical Services
- Chief Officers of State Library Agencies

Funded by the Institute of Museum and Library Services (grant award LG-72-15-0197-15)
Project intent

- Identify the extent to which public libraries have or have not digitized unique collections,
- The obstacles that prevent digitization,
- And the opportunities and partnerships that can accelerate digitization activities.
Survey overview

• Public library survey:
  • Distributed to 3,800+ public libraries.
  • E-mail and direct mail requests to library directors.
  • Received 769 responses.

• State library survey:
  • Distributed via COSLA mailing list to all chiefs.
  • Received 47 responses.

All raw data except for contact information for the respondents is publicly available.
## Survey category sizes

<table>
<thead>
<tr>
<th>Library Size</th>
<th>Population LSA (IMLS data)</th>
<th>% of Libraries</th>
</tr>
</thead>
<tbody>
<tr>
<td>Very small</td>
<td>0 – 9,999</td>
<td>58%</td>
</tr>
<tr>
<td>Small</td>
<td>10,000 – 24,999</td>
<td>19%</td>
</tr>
<tr>
<td>Medium</td>
<td>25,000 – 99,999</td>
<td>17%</td>
</tr>
<tr>
<td>Large</td>
<td>100,000 – 449,999</td>
<td>5%</td>
</tr>
<tr>
<td>Very large</td>
<td>450,000+</td>
<td>1%</td>
</tr>
</tbody>
</table>
# Status of Digitization Activities

<table>
<thead>
<tr>
<th></th>
<th>Never and no plans to start</th>
<th>Never, but plan to start in the next 12 months</th>
<th>Currently engaged or have been in the last three years</th>
<th>Did some more than three years ago</th>
<th>Completed all digitization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Very small</td>
<td>39%</td>
<td>23%</td>
<td>28%</td>
<td>9%</td>
<td>.3%</td>
</tr>
<tr>
<td>Small</td>
<td>24%</td>
<td>23%</td>
<td>42%</td>
<td>10%</td>
<td>1%</td>
</tr>
<tr>
<td>Medium</td>
<td>19%</td>
<td>19%</td>
<td>53%</td>
<td>8%</td>
<td></td>
</tr>
<tr>
<td>Large</td>
<td>10%</td>
<td>10%</td>
<td>66%</td>
<td>14%</td>
<td>1%</td>
</tr>
<tr>
<td>Very large</td>
<td>3%</td>
<td>3%</td>
<td>81%</td>
<td>13%</td>
<td></td>
</tr>
<tr>
<td>Nationally</td>
<td>31%</td>
<td>22%</td>
<td>38%</td>
<td>10%</td>
<td>.3%</td>
</tr>
</tbody>
</table>
We have invested considerable funds and staff time to digitizing local collections and making them available to the public. This has heightened our profile in the community and generated additional donations of materials.
Status of Digitization Strategy

- Approved 13.10%
- In Draft Form 2.10%
- Under Discussion 16.50%
- No Formal Strategy 67.10%
- Don’t Know 1.20%
Materials in the collection

- Photographs
- Letters, diaries, scrapbooks
- Newspapers (including clippings)
- Official, local records
- Audio recordings
- Video recordings
- Microfilm/fiche

- Maps/cartographic materials
- Books/monographics
- Findings aids
- Born-digital
- Other
- We have none of these items
Materials in the collection

Photographs
- Very Small Libraries: 53.9%
- Small Libraries: 62.2%
- Medium Libraries: 67.7%
- Large Libraries: 75.5%
- Very Large Libraries: 89.2%

Newspapers
- Very Small Libraries: 69.0%
- Small Libraries: 76.3%
- Medium Libraries: 75.0%
- Large Libraries: 80.4%
- Very Large Libraries: 83.8%
## Barriers to library efforts

<table>
<thead>
<tr>
<th>Inadequate technology or equipment</th>
<th>Insufficient staff time</th>
<th>Insufficient training/expertise</th>
<th>Lack of experience applying/administering grants</th>
<th>Rights management issues</th>
<th>Insufficient ongoing funds (outside of grants)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major</td>
<td>54%</td>
<td>75%</td>
<td>57%</td>
<td>24%</td>
<td>24%</td>
</tr>
<tr>
<td>Minor</td>
<td>30%</td>
<td>20%</td>
<td>32%</td>
<td>42%</td>
<td>51%</td>
</tr>
<tr>
<td>Not a barrier</td>
<td>16%</td>
<td>5%</td>
<td>11%</td>
<td>34%</td>
<td>26%</td>
</tr>
</tbody>
</table>
**Training**

- Very Small Libraries – 42%
- Very Large Libraries – 72%
Getting it done

- Paid Staff: 39% at least 50%, 24% at least 90%
- Contractors: 25% at least 50%, 12% at least 90%
Digital preservation strategy?

- Yes: 10% (State Libraries), 4% (Public Libraries)
- Draft: 12% (State Libraries), 1% (Public Libraries)
- Under Discussion: 46% (State Libraries), 23% (Public Libraries)
- Vendor Provided: 17% (State Libraries), 9% (Public Libraries)
- No: 60% (State Libraries), 12% (Public Libraries)
- Don't Know: 2% (State Libraries), 4% (Public Libraries)

Options: Yes, Draft, Under Discussion, Vendor Provided, No, Don't Know

State Libraries vs. Public Libraries

#OCLCARC17

ARC17
State library survey
## Digitization in the Strategic/LSTA Plan?

<table>
<thead>
<tr>
<th>Response</th>
<th>SLA</th>
<th>LSTA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes, in the current plan</td>
<td>29%</td>
<td>33%</td>
</tr>
<tr>
<td>Yes, and we also plan to include them in the next plan</td>
<td>44%</td>
<td>48%</td>
</tr>
<tr>
<td>No</td>
<td>10%</td>
<td>6%</td>
</tr>
<tr>
<td>Not currently, but we plan to include them in the next strategic plan</td>
<td>12%</td>
<td>8%</td>
</tr>
<tr>
<td>Don’t know</td>
<td>4%</td>
<td>4%</td>
</tr>
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</table>
## Roles that states play in digitization

<table>
<thead>
<tr>
<th>Response</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>There is a division/department of the agency that digitizes unique, locally significant materials that are part of the state library’s collection.</td>
<td>73%</td>
</tr>
<tr>
<td>We collaborate with another agency or organization on digitization efforts.</td>
<td>73%</td>
</tr>
<tr>
<td>We advise and support public libraries in their efforts to digitize their unique collections.</td>
<td>67%</td>
</tr>
<tr>
<td>There is a division/department of the agency that digitizes unique, locally significant materials that come from other organizations (county records, public libraries, etc.)</td>
<td>44%</td>
</tr>
</tbody>
</table>
Engaging the public in dig. activities

- Scanning: State Libraries 21%, Public Libraries 19%
- Describing: State Libraries 36%, Public Libraries 13%
- Transcribing: State Libraries 26%, Public Libraries 9%
- Selecting: State Libraries 19%, Public Libraries 6%
- Don't Do: State Libraries 57%, Public Libraries 44%
Recommendations for getting smarter…
Recommendations

• **Look at your state data** for specific findings that can support your local needs. The data can be sorted by state.

• Increase sharing of digital content to **national or regional repositories**. Awareness.

• **Provide training opportunities**. People need help on a range of skills, knowledge and abilities.

• **Promote content**. Market and increase awareness.

• Long-term **strategic and digital preservation planning**.
Thank you

Kendra Morgan
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morgank@oclc.org
Questions and Comments?
Thank you!