ALL THE As AND ONE C: USING ACCESS, ALMA, ANALYTICS AND APIs TO STREAMLINE CATALOGING

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UNIVERSITY LIBRARIES
Outline

• Purpose
• Cataloging at UW
• Rapid Cataloging at UW
• Access, Alma, Analytics, APIs
• Looking to the future
• Q&A
Purpose

• What is Rapid Cataloging?
• Our context
  – Iterated our fairly robust solution over ~15 years
  – In-house Access expertise
• What we hope you learn/take away
  – Basic workflow elements (creating a basefile, querying the basefile)
  – Ideas for how to implement at your institution at a scale and with tools that work for you
UW Libraries

- 3 campuses, 16 libraries
- > 9M volumes, 1M eBooks, 120k journals
- 2 OCLC symbols (Law, everything else)
- Migrated to Alma/Primo 2013
- Orbis Cascade Alliance shared LMS
  - Consortial Network Zone
  - Institution Zone
Cataloging at UW

• Collections & Content Portfolio
  – Acquisitions & Rapid Cataloging Services (ARCS)
  – Cataloging & Metadata Services (CAMS)

• Decentralized tech services
  – International Studies
  – East Asia Library
  – Law Library
## Cataloging & Metadata Services

### 2017-18 New Records

<table>
<thead>
<tr>
<th>Service</th>
<th>Records</th>
</tr>
</thead>
<tbody>
<tr>
<td>Original cataloging</td>
<td>4,566</td>
</tr>
<tr>
<td>Complex copy</td>
<td>17,297</td>
</tr>
<tr>
<td>Serials cataloging (CONSER)</td>
<td>1,222</td>
</tr>
<tr>
<td>CAMS Quick cataloging</td>
<td>8,729</td>
</tr>
<tr>
<td>Minimal level cataloging</td>
<td>1,238</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>33,052</strong></td>
</tr>
</tbody>
</table>

### Also...

- NACO headings - 3,718
- SACO headings - 571
- BIBCO
- CONTENTdm - 1,701
- Gov Docs recon - 5,148
- Database maintenance
- Metadata work
Rapid Cataloging & CAMS

• Benefits
• Balance quantity/quality
• Recent extensions
  – Ebook rapid cataloging
  – Special Collections PNW pilot
  – LC New Delhi pilot (including vernacular!)
Rapid Cataloging in Acquisitions

- Acquisitions & Rapid Cataloging Services - Monographic Receiving Team
  - 4.5 Specialists + 4-5 Students (1 FTE)
- Primarily English & Western European language monographs
- Processed ~27,500 items in FY2017/2018
  - 20,935 items rapid cataloged in ARCS (76%)
    - 14,520 items “expedite-cataloged” by students
    - 6,415 items “quick-cataloged” by staff
  - 6,380 items sent to CAMS (original & complex copy) (24%)
Rapid vs. Original - Categories

• Screened by ARCS
  – Firms & Approvals
  – Gifts
  – Series cataloged as separates
  – Rushes

• Sent to CAMS on receipt
  – Analytics
  – Media
  – Non-Roman
  – Scores
  – Serials (new)
Screening Bibliographic Records

- Alma Sets, Analytics, Access used to bring bib, inventory, order and invoice info into a basefile
- Access queries determine record quality and subsequent cataloging workflow (expedite, quick, original)
- Separate Access interface guides students through the receiving & cataloging process
- New: staff use API to quick catalog ebooks
Workflow (GOBI Firms/Approvals)

Step 1: WCP records loaded into NZ (as overlays for GOBI firms)

Step 2: Alma multi-matches and match issues resolved

Step 3: Access basefile created, using Alma sets, Analytics, WCP records

Step 4: Access queries used to screen and evaluate records

Step 5: Students receive in Alma & use Access to determine cat workflows

Step 6: Expedite cat by students or quick cat by staff in ARCS

Step 7: Sent to CAMS for complex/original cat if not done in ARCS
Expedited Cataloging (Students)

- Passes Access query (*plus additional call number & location queries)
- To Quick Cataloging: multiple series statements, call number problems
- To CAMS: 880 series, cat language not English, call number problems
- Hold for re-searching if no/partial call number
Quick Cataloging (Staff)

- Passes Access query (plus additional call number & location queries)

- OCLC Number present
- Encoding Levels: 8, L, 7
- Descriptor: a OR (i AND 040$e Like “*rda*”)
- Record Type: a
- Bib Level: m (monograph)

- To CAMS: 880 series, cat language not English, call number problems
- Hold for re-searching if no/partial call number
Original Cataloging (Staff in CAMS)

• Hold for re-searching or show to Receiving Supervisor

- OCLC Number present OR absent
- Other Encoding Levels
- Descriptor: a OR other
- Record Type: a OR other
- Bib Level: m OR other

• Then to CAMS for original/complex copy
The Basic Components

- Dataset to query
- An external tool for querying the data
- Macro-programming (AKA “the glue”)
Creating the Dataset

• Data is pulled by staff using the following sources and tools:

  WorldCat Partner MARC records
  Alma Analytics (for acquisitions related data like fund code, order type, rush, etc. and for inventory information like owning library and location)
  Alma Sets (POLs, All Titles)
  Alma Bibliographic Export jobs (for final MARC XML)
  Alma APIs to view live bib and portfolio data in MS Access
  MarcEdit for data conversion
Step 1: Get POL#s and other data from WorldCat Partner files

Step 2: Get inventory and acquisitions data from Analytics*

Step 3: Use sets to get current MMS IDs from Alma

Step 4: Export and flatten bibliographic records from Alma

* /shared/Community/Reports/Institutions/University of Washington/ELUNA 2019
Cleaning and Joining the Data

- Joining Matchpoints
  - OCLC#
  - MMS Id
- Excel VBA macros automate the process
Getting Data with Alma APIs

- We also use the web browser tool and XSLT to pull in live data via Alma APIs

Access builds a url for an API GET request and an XSLT stylesheet and CSS transform the XML into nicely formatted fields.
Screening the Data in MS Access
Screening the Data in MS Access

<table>
<thead>
<tr>
<th>Call Numbers in 050 and DLC in 040</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC:</td>
</tr>
<tr>
<td>050:</td>
</tr>
<tr>
<td>040:</td>
</tr>
<tr>
<td>245a:</td>
</tr>
<tr>
<td>Children’s Literature?</td>
</tr>
<tr>
<td>No</td>
</tr>
<tr>
<td>LOCATION:</td>
</tr>
<tr>
<td>upstx</td>
</tr>
<tr>
<td>050:</td>
</tr>
<tr>
<td>055:</td>
</tr>
</tbody>
</table>

Check the multiple 050 fields in the bib. record in Alma.

On the form, retain the call number with a 2nd indicator “0” and delete the call number with second indicator “4.”

050 * 0 - Call # assigned by LC
050 * 4 - Call # assigned by institution other than LC

If you are unable to choose between the call numbers, assign Cat Status CAT, and insert Action Code CD.

The query looks for the presence of more than one call # in the 050 and “DLC” in the 040 [DLC does not have to be the creator agency].

For juvenile fiction going to a children’s literature location (upst, bahd, lach, etc.), choose the “92” class number, if there is one.

Query: 34 quel 2 call nos in 050
Final Steps

1. Check the Material Type:
   - YBP APPROVALS
   - Help: Is it set to the proper type of material?

2. Run final statistics:
   - Final Stats

3. Click the "Preview Stats" button:
   - Preview Stats

4. Archive statistics as PDF file:
   - Archive Statistics

5. Append the basefile to table "basefile ARCHIVE" in the master archive file*:
   - Append 'basefile' to Archive
   - ACCESS FOR ALMA >> Tools and Procedures >> Linked Tables. DO NOT DELETE >> ARCHIVE basefile.arch

6. Archive the old-format basefile in SharedDoes as an Excel spreadsheet:
   - Archive "basefile" in SharedDocs

Query: 1021 excel ARS Type Test
Receiving items
Receiving Items

Check the physical condition of the book to make sure there are no problems.

Potential problems:
- Bound upside-down
- Pages missing or torn
- Cover damaged
- Accompanying material missing

PHYS DISC: 88 pages; illustrations; 23 cm

Is there a problem? If so, ...

1. Change the CAT STATUS above to QCAT or SUP.
2. Insert a note explaining the problem in the Actioncode Comments box (do not erase existing notes).

Actioncode Comments: BOOKPLATE: Allen
Receiving Items

Check any Action Codes directed to "RECEIVER" and "CATALOGER."

(The Receiving Note from the POL may give additional details about an Action Code)

Receiving Note:
Print Required

SEND, LOC: czstx, VENDOR: ybpsf, Inv #: 1878738
Inv Date: 4/9/2019

245: The beloved world of Sonia Sotomayor / Sonia Sotomayor.
General Tips

• Start small, but make it extensible
• Think carefully about the order of your queries
• Archive all of your data
Future Development

- Pull all the data using API GET requests
- Make updates to the data using Access forms and API PUT requests (the Holy Grail!)
Looking to the Future

• Assessing metadata quality over time
• Screening vernacular records
• Attacking Special Collections gifts & other backlogs
• Adjusting RapidCat for a linked data world
THANK YOU!

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