



Hi. I'm Stacey Wolf, from the University of North Texas.

Welcome.

I'm here today to talk about some ways you can automate the authority control process.

Outline:

- What is authority control?
- Me and my library
- Different ways to automate authority control processes
- Some ideas on how to automate the authority control maintenance process
- Tips
- Resources and Questions

2

Here's what I plan to cover today:

I'll briefly explain what authority control is

I'll tell you a little bit about me and the library I work at

I'll talk about the different ways you can automate the authority control process in general

I'll show you some different methods I have come up with to automate the maintenance process

I'll give you a few tips, some links to resources and then take any questions you might have.

This presentation could easily be very technical, with regular expressions and JSON coding throughout it. Given that my audience today may not all be catalogers, I'm going to do my best to keep it much more broad. If you want more in-depth procedures, I'll provide a handout and I have a link to a much more detail version of this presentation.

What is Authority Control?

- “Authority control (or access point control) refers to the normalisation of controlled access points (headings) and the provision of alternative and related access points.” (pg 45, Zumer, 2009)
- Collocates all works by a specific author
- Helps disambiguate people, corporate bodies, or titles
- Can “identify and relate resources by subject” (pg. 45, Zumer, 2009)

3

So what is authority control?

- Why do I want to do it, let alone automate it?
 - According to IFLA, “Authority control (or access point control) refers to the normalisation of controlled access points (headings) and the provision of alternative and related access points.”
 - For example, an authority record establishes a certain spelling and form of a name as preferred and lists alternate spellings, forms, etc. of that name, as well as related access points.
 - The same can be true with subjects and titles.
 - By using the same form of an access point (like the author or the subject or the series title), authority control helps users find everything by a certain author or on a specific subject.
 - Authority records contain information that can help users disambiguate names of people, corporate bodies, and titles; this is very helpful with common names, like John Smith.
 - Authority control can also help users identify other subject terms to use by providing broader or narrower terms related to that subject.
-

Name Authority Record [Apple Computer, Inc.]

```
010 $a n 84040978
035 $a (OCoLC)oca01161199
040 $a DLC $b eng $e rda $c DLC $d DLC $d UPB
046 $a 1977 $t 2007 $2 edtf
110 2 $a Apple Computer, Inc.
368 $a Corporations, American $2 lesh
370 $e Cupertino (Calif.) $2 naf
371 $a 1 Apple Park Way $b Cupertino $c CA $e 95014
372 $a Computer software $a Computers $a Household electronics $a Macintosh (Computer) $a iPod (Digital music player) $2 lesh
377 $a eng
410 2 $a Apple (Firm)
410 2 $a Apple Computer Company
500 1 $w r $i Founder: $a Jobs, Steve, $d 1955-2011
500 1 $w r $i Founder: $a Wozniak, Steve, $d 1950-
510 2 $w r $i Successor: $a Apple Inc.
670 $a Price, J. How to write a computer manual, c1984: $b CIP t.p. (Apple Computer, Inc.)
670 $a The High-Tech marketing companion, 1993: $b CIP galley (Apple)
670 $a Wikipedia, 13 February 2007 $b (Apple Inc.; American multinational technology company headquartered in Cupertino, California that designs, develops, and electronics, computer software, and online services; founded by Steve Jobs, Steve Wozniak, and Ronald Wayne; formerly known as Apple Computer Company (Apple Computer, Inc. (1977-2007); in January 2007, Jobs renamed the company Apple Inc., reflecting its shifted focus toward consumer electronics, and announced which saw critical acclaim and significant financial success; headquarters: 1 Apple Park Way, Cupertino, California); industry: Computer hardware; Computer software; Consumer electronics; Digital distribution; Semiconductors; Fabless silicon design; Corporate venture capital; products: Macintosh; iPod; iPhone; iPad; Apple Watch; HomePod; macOS; iOS; watchOS; tvOS; iLife; iWork; Final Cut Pro; Logic Pro; GarageBand)
```

4

Here's an example of an authority record.

- You have the authorized access point (Apple Computer, Inc.)
 - Other names of the company are Apple (Firm) or Apple Computer Company. If you were to search by one of these names, the authority record would redirect you to the authorized form of Apple Computer, Inc.
 - This record also has extra information linking it to the founders of the company, Steve Jobs and Steve Wozniak. It also tells you that this company has changed its name to Apple, Inc., and provides a link to that record.
 - There is a lot more descriptive information in this record, like the company's headquarters, their fields of activity (like computer software, household electronics, Macintosh, and Ipod). The sources for this information are listed at the bottom of the record.
-

About Me

6 years at UNT

para-professional copy cataloger

- juvenile books and authority control
- batch e-resource record editing and loading

Cataloging and Metadata Librarian

- supervise the staff person who does most of our authority work
- working towards using an outside vendor

5

- So that is a little bit about authority control, I'll get into it more in just a minute.
 - First, a little background on me and my library and how we use authority control
 - I started at UNT in 2013, just as RDA was being implemented.
 - I started as a para-professional copy cataloger, specializing in juvenile books and authority control.
 - My job responsibilities eventually grew to include batch e-resource record editing and loading
 - In 2016, I was promoted to Cataloging and Metadata Librarian.
 - My tasks remained mostly the same (just more complicated), and now I supervise the staff person who does most of the library's authority work.
 - Over the last few years, I have led an enormous project to outsource our authority work to a vendor.
-

University of North Texas Libraries' Catalog

Sierra ILS

Nearly 3
million
records

Add about
100,000
records
annually

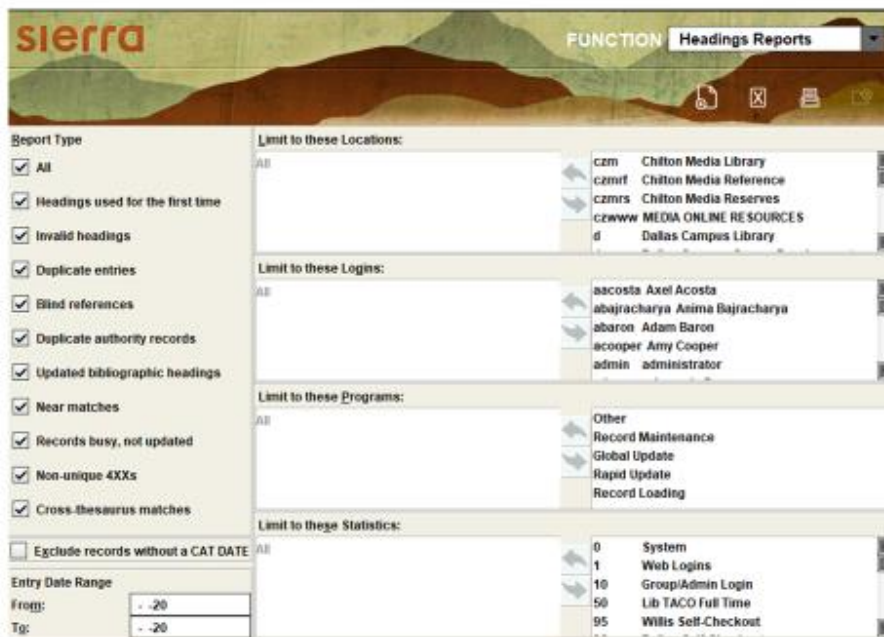
Decentralized
cataloging

7 catalogers
do their own
authority work

1 person does
all of the
library's
authority work

5

- The UNT library catalog runs on III's Sierra.
 - We have about 3 million records
 - We add about 100 thousand records each year, with about 75% of those being e-resources from vendor batch records.
 - UNT libraries has decentralized cataloging, with Media, Music, Government Documents, and Special Collections doing their own cataloging.
 - There are 7 catalogers in the main cataloging and metadata services department who all do their own authority work.
 - One staff person is trained to do the authority work for the rest of the library, sending new names and subjects or problems to that specific department
-



Local
authority
control
priorities
(Then)

- When I started at UNT in 2013, I worked with a librarian and another staff person to do all the library's authority control.
- Every day, we ran Headings Reports, which provide us with a list of names, subjects, and titles used for the first time, as well as other potential issues in the catalog.
- Back then, we looked up in OCLC every new name and subject on the reports, but only downloaded the authority record into our catalog if it had been established with cross references or a see also reference.
- We validated new names and subjects and made sure the form was correct in the newly cataloged record as well as existing records in our ILS.
- Sometimes, if a name had changed, we needed to update the authority record and the bib records.

Local authority control priorities (Then)

LIBRARY OF CONGRESS SUBJECT HEADINGS MONTHLY LIST 01 (January 18, 2019)

Select this link to view the [Summary of Decisions](#) of the weekly editorial meeting.

110 23 Harrison Street House (New York, N.Y.) [sp2018003013]
410 UF 314 Washington Street House (New York, N.Y.)
410 UF Jonas Wood House (New York, N.Y.)
410 UF Wood House (New York, N.Y. : Harrison Street)
550 BT Dwellings--New York (State)

110 27 Harrison Street House (New York, N.Y.) [sp2018002939]
410 UF 317 Washington Street House (New York, N.Y.)
410 UF John McComb Jr. House (New York, N.Y.)
410 UF McComb House (New York, N.Y.)
550 BT Dwellings--New York (State)

110 390 Van Duzer Street House (New York, N.Y.) [sp2018002690]
550 BT Dwellings--New York (State)

110 428 Lafayette Street Building (New York, N.Y.) [sp2018002964]
550 BT Dwellings--New York (State)
510 BT La Grange Terrace (New York, N.Y.)

110 51 Market Street House (New York, N.Y.) [sp2018002892]
410 UF Clark House (New York, N.Y. : Market Street)

<https://www.loc.gov/aba/cataloging/subject/weeklylists/>

Authority records for 20190428

Authority Records updates posted after January 19, 2008 require Arial Unicode software packages or can be purchased separately. [\(Learn more about Arial Unicode\)](#)

n 83218565
Old: 100 1 Akhmatova, R. S. †q (Raisa Soltmuradovna), †d 1928-
New: 100 1 Akhmatova, R. S. †q (Raisa Soltmuradovna), †d 1928-1992

n 81059040
Old: 100 1 Amiss, John Milton, †d 1887-
New: 100 1 Amiss, John M. †q (John Milton), †d 1887-1968

n 93064201
Old: 100 1 Anderson, Marie, †d 1916-
New: 100 1 Anderson, Marie, †d 1916-1996

n 95118310
Old: 100 1 Arnold, Johann Christoph, †d 1940-
New: 100 1 Arnold, Johann Christoph, †d 1940-2017

n 2009065966
Old: 100 1 Atkinson, David, †d 1921-
New: 100 1 Atkinson, David, †d 1921-2012

<https://www.oclc.org/authority-records.html>

6

- In addition to keeping up with the Headings Reports, we also used the Library of Congress's updated subject heading lists and OCLC's Closed dates lists to update our authority records and bib records.
- I'll explain more about them a little later.
- This all became difficult to maintain as RDA changed hundreds of thousands of authority records overnight and our library staffing changed
- A three person team working on authority control became a team of one or two (depending on staffing at the time)
- Also around this time, our library started looking at what other institutions our size do for catalog maintenance.
- With the addition of a new head of cataloging in our department, we went ahead with exploring using a vendor for authority control, so we needed to re-prioritize our current authority work.

Local authority control priorities (Now)

- Use the "preceded by" and "followed by" lines to identify potential conflicts to investigate
- Don't load new subject headings records
- Don't update authority records as the national authority file changes
- General collection catalogers do their own authority work

Field: b7001 |aLee, Ellie, |d1970- |4pro:
Indexed as AUTHOR: *lee ellie 1970*
Preceded by "a": *lee ellie*
Followed by "a": *lee elliot jason*
From: b61487843 Unnatural causes: is
produced by California Newsreel ; in a
Center for Asian American Media ; Lat

Field: b7001 |aKrause, Dan.
Indexed as AUTHOR: *krause dan*
Preceded by "a": *krause dagmar*
Followed by "a": *krause daniel j*
From: b61487843 Unnatural cause
produced by California Newsreel ;
Center for Asian American Media

- Now, instead of searching for every new name, we have started using the "preceded by" and "followed by" lines to see if there was a potential conflict and only investigate those in OCLC.
 - If we search for a record in OCLC and find one, we can download it to our ILS if we want, even if there are no cross references. (if we spent that time to look for the record, might as well use it)
 - We are not loading new subject records.
 - We are not bothering to update our authority records. It took too much time to look up each listed heading in our catalog (in two different indexes for names).
 - We figure the vendor will eventually provide us with subject records and updated records, so we won't use precious staff time working on that now.
 - I also trained our department of 7 catalogers on how to do their own authority control work
 - We still have one staff person doing the heading reports for the whole library.
 - Using the new process though, it takes only an hour or two to complete, instead of several hours each day.
-



10

- The most time-effective way to handle authority work is to automate it as much as possible.
- Working in large batches can often be quicker than individually trying to search for each new name or subject heading.
- There are a variety of ways to automate authority work.
- Some tools include OCLC Connexion, MarcEdit, your ILS, Notepad++, Excel, and vendors.
- OCLC Connexion is where my library finds its bibliographic and authority records to download into our ILS.
- We use Notepad++ and Excel all the time to examine and manipulate our data.
- Excel is helpful in many ways, especially with the text to column feature and conditional formatting where you can highlight duplicates.
- Notepad++ is great to use with Regular Expressions and save data in a plain text format.



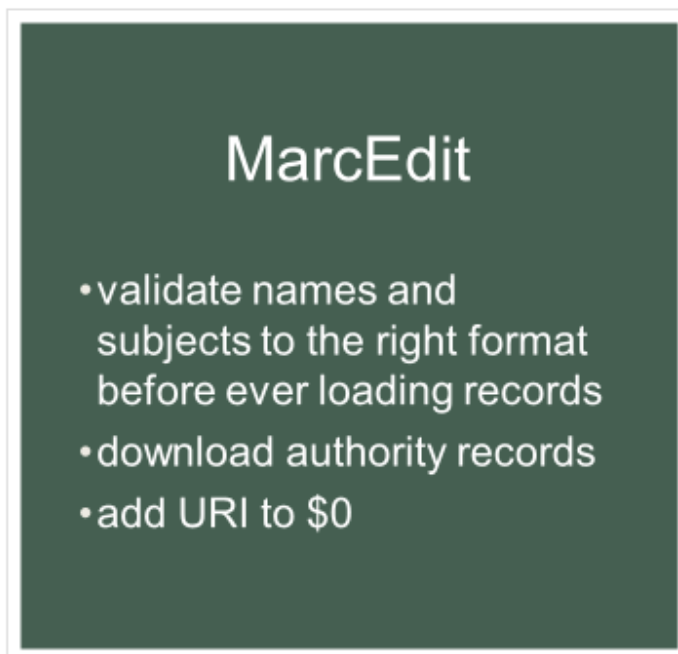
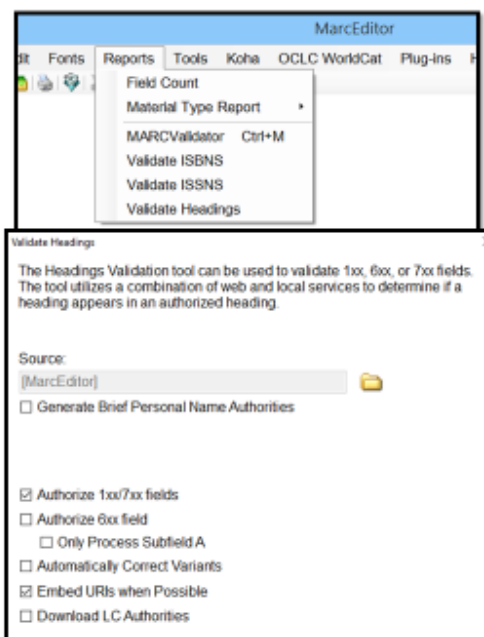
Sierra (or your local ILS)

Headings Reports can identify new names and subjects, invalid uses, and duplicate records

Bibliographic Maintenance feature automatically updates bib records to a match new heading over night

11

- We use Sierra for our ILS.
 - This is where I can run headings reports to identify new names and subjects, invalid uses, and duplicate records.
 - Some ILS have a bibliographic maintenance feature that will automatically update bib records to a match new heading over night, but only if the heading in the bib record matches a cross reference in the authority record.
 - I find the bibliographic maintenance program to be very unreliable, but maybe I'm using it incorrectly.
-



- MarcEdit is a free software that Terry Reese provides to catalogers.
 - It will authorize/validate names and subjects for you so you know you have the right form before ever loading your records.
 - It will provide a report for you to fix variants, or you can set it to automatically correct them.
 - It will even add the URI in \$0 for you if you are preparing for linked data in your catalog (or it's handy for batch-searching OCLC later for the authority records to add to your catalog)
 - You can also have it download the authority records that match the validated headings in your file (but I haven't played with that feature very much).
 - MarcEdit is a great tool for editing batches of records quickly before loading them into the ILS where making mass changes is much more clunky.
 - This is where I really learned how to use Regular Expressions.
-

Vendors

automated process for

- cleaning up records,
- validating headings, and
- providing the library with authority records

on-going maintenance

- process new bibliographic records
- notify the library if authorities change or are newly created from backfile




13

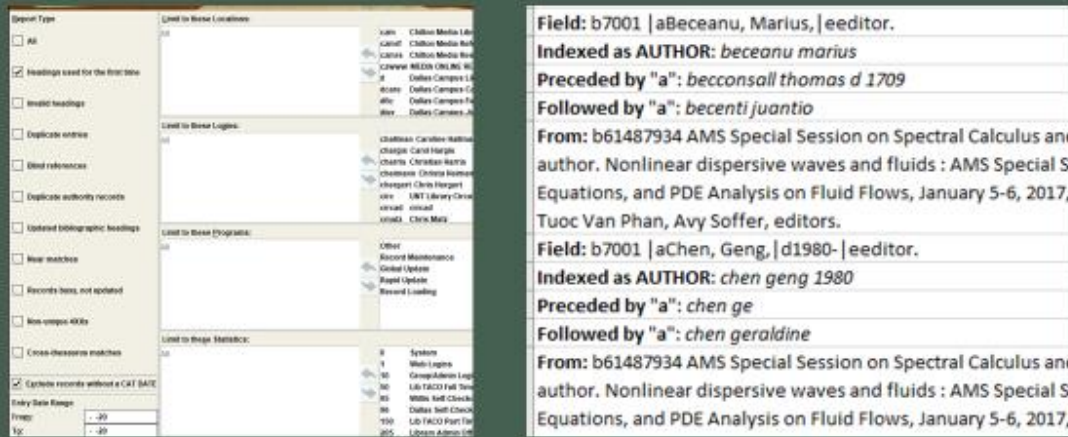
- Vendors like Backstage and MARCIVE allow libraries to send a back file of all their records which are updated and validated.
- Each vendor has their own special programming to fix field tags, indicator errors, and incorrect subfield coding; both vendors offer RDA enrichment services, creating hybrid RDA records out of older AACR2 records by adding certain fields.
- The library can decide on all kinds of customizations they want made to their processing profile, usually based on local practices and policies.
- Once the records are cleaned up, they are run through as many authority files as you want to validate headings.
- The library gets the updated bibliographic records back as well as files of authority records.
- Both vendors offer a current cataloging service so that you can send newly added bibliographic records to your profile.
- Ongoing maintenance keeps your authority records up-to-date as national authority files are updated.
- This can be a wonderful option, if you have the money to spend on it.

- It can cost tens of thousands of dollars depending on the size of your catalog.
 - The on-going service requires a yearly fee.
 - And you will still need a staff person to run reports, create files, and reload records.
 - So maybe you can afford to do a clean up project, sending your records once, but don't want to subscribe to the on-going services.
 - Or you can't afford to even get your records cleaned up.
 - How can you maintain your catalog's authority files and access points as efficiently as possible?
-



- We've used a combination of headings reports, MarcEdit and OCLC to batch load authority records for certain files of vendor records.
 - I'll do a brief overview of the process since I only have a little bit of time.
 - I'll have detailed instructions as a handout online
-

Load records into Sierra, run Headings Reports, copy new names to Excel



The screenshot displays the Sierra system interface. On the left, there is a 'Report Type' section with various checkboxes: 'All', 'Headings used for the first date', 'Invalid headings', 'Duplicate entries', 'Ident references', 'Duplicate authority records', 'Updated bibliographic headings', 'Near matches', 'Records being not updated', 'Non-consp 400s', 'Cross-reference matches', and 'Capture records without a CAT BAZE'. Below these are 'Only Date Range' fields for 'From' and 'To'. The main area is divided into sections for 'Load to these Locations', 'Load to these Logins', 'Load to these Programs', and 'Load to these Statistics'. On the right, a list of records is shown, including details like 'Field: b7001 | aBeceanu, Marius, | eeditor.', 'Indexed as AUTHOR: beceanu marius', 'Preceded by "a": beconsall thomas d 1709', 'Followed by "a": becenti juantio', and 'From: b61487934 AMS Special Session on Spectral Calculus and author. Nonlinear dispersive waves and fluids : AMS Special Se Equations, and PDE Analysis on Fluid Flows, January 5-6, 2017, Tuoc Van Phan, Avy Soffer, editors.'.

15

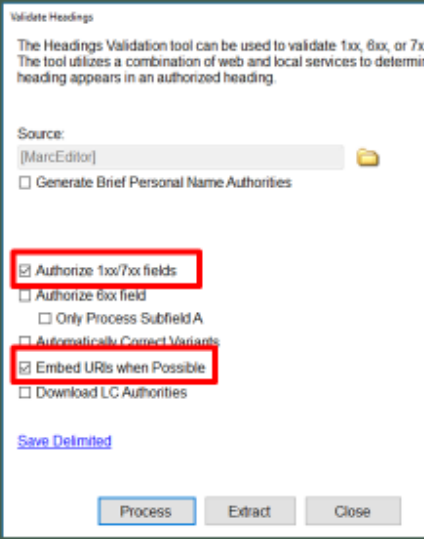
- Load records into Sierra,
- run heading reports,
- copy new names to excel

Clean up
copied
information
so just the
name
remains

Beceanu, Marius, eeditor.
Chen, Geng, d1980- eeditor.
Krause, Dan.
Lee, Ellie, d1970- 4pro 4drt
Miller, Florence. 4nrt
Phan, Tuoc q(Tuoc Van), eeditor.
Plotkin, Eugene, d1955- eeditor.

- Clean up copied information so just the name remains

Validate names in
MarcEdit, embedding
the URI in \$0



```

=7001 \\\$aChen, Geng,$d1980-$eeditor.
$0http://id.loc.gov/authorities/names/no2018146561
=7001 \\\$aKrause, Dan.
=7001 \\\$aLee, Ellie,$d1970-$4pro$4drt
$0http://id.loc.gov/authorities/names/no2014066804
=7001 \\\$aMiller, Florence.$4nrt
$0http://id.loc.gov/authorities/names/n80001667
=7001 \\\$aPhan, Tuoc$q(Tuoc Van),$eeditor.
$0http://id.loc.gov/authorities/names/no2018144920
=7001 \\\$aPlotkin, Eugene,$d1955-$eeditor.
$0http://id.loc.gov/authorities/names/no2018163324

```

- Use either the original vendor file (if these will be the only bib records in the headings report) or turn the Excel file into MARC records
- validate names in marc edit, embedding the URI in \$0 when possible
- The URI provides a link to the authority record for that specific entry, which contains the Library of Congress Control Number (or LCCN)

\$0 was found 17 times.

Found Text	Action
=1001 \\\\$aDonner, Ezra,\$d1986-\$ecomposer.\$0h...	Jump to Record #: 0
=1001 \\\\$aGilheany, Kevin P,\$d1963-\$eauthor.\$0...	Jump to Record #: 0
=1001 \\\\$aSeitz, Paul,\$d1951-\$ecomposer.\$0http...	Jump to Record #: 0
=1112 \\\\$aResearch Workshop of the Israel Scien...	Jump to Record #: 0
=7001 \\\\$aBeceanu, Marius,\$editor.\$0http://id.lo...	Jump to Record #: 0
=7001 \\\\$aChen, Geng,\$d1980-\$editor.\$0http://i...	Jump to Record #: 0
=7001 \\\\$aLee, Ellie,\$d1970-\$pro\$4dr\$0http://i...	Jump to Record #: 0
=7001 \\\\$aMiller, Florence,\$4nrt\$0http://id.loc.gov/...	Jump to Record #: 0
=7001 \\\\$aPhan, Tuoc\$\$(Tuoc Van),\$editor.\$0htt...	Jump to Record #: 0
=7001 \\\\$aPlotkin, Eugene,\$d1955-\$editor.\$0htt...	Jump to Record #: 0
=7001 \\\\$aRodriguez, Maria Teresa\$(Filmmaker)...	Jump to Record #: 0
=7001 \\\\$aSoffer, Avy\$(Avraham),\$editor.\$0http...	Jump to Record #: 0
=7001 \\\\$aTumanov, Vladimir,\$editor,\$etranslato...	Jump to Record #: 0
=7001 \\\\$aWeaver, Jonathan.\$4cng\$0http://id.loc....	Jump to Record #: 0
=7001 \\\\$aZheng, Shijun,\$editor.\$0http://id.loc.g...	Jump to Record #: 0
=7102 \\\\$aNational Minority Consortia (U.S.)\$0htt...	Jump to Record #: 0
=7002 \\\\$aOne World Group of Broadcasters, Sen...	Jump to Record #: 0

Copy \$0 search to Excel

Jump to Page Edit Find Query Close

18

- Use a search in MarcEdit for \$0 to copy to Excel

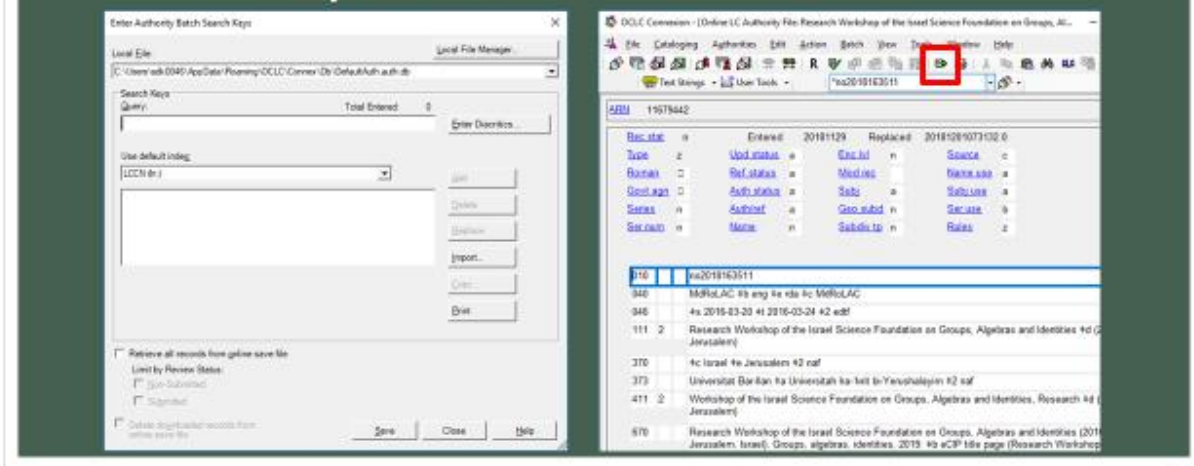
Compare against new names from Headings Report

Donner, Ezra,\$d1986-\$ecomposer,	Donner, Ezra,\$d1986-\$ecomposer,	n2010003378
Gilheany, Kevin P.,\$d1963-\$author,	Gilheany, Kevin P.,\$d1963-\$author,	no2019010123
Seitz, Paul,\$d1951-\$ecomposer,	Seitz, Paul,\$d1951-\$ecomposer,	no2014097573
AMS Special Session on Spectral Calculus and Quasilinear P	Research Workshop of the Israel Science Found	no2018163511
Research Workshop of the Israel Science Foundation on G	Beceanu, Marius,\$editor,	no2018145114
Beceanu, Marius,\$editor,	Chen, Geng,\$d1980-\$editor,	no2018146561
Chen, Geng,\$d1980-\$editor,	Lee, Elie,\$d1970-\$dpro\$dirt	no2014066804
Krause, Dan,	Miller, Florence,\$dirt	nb0001667
Lee, Elie,\$d1970-\$dpro\$dirt	Phan, Tuoc\$Q(Tuoc Van),\$editor,	no2018144920
Miller, Florence,\$dirt	Plotkin, Eugene,\$d1955-\$editor,	no2018163324
Phan, Tuoc\$Q(Tuoc Van),\$editor,	Rodriguez, Maria Teresa\$Q(Filmmaker)	no2013082472
Plotkin, Eugene,\$d1955-\$editor,	Soffer, Avy\$Q(Avraham),\$editor,	no2018145060
Rodriguez, Maria Teresa\$Q(Filmmaker)	Tumanov, Vladimir,\$editor,\$etranslator,	n97030914
Soffer, Avy\$Q(Avraham),\$editor,	Weaver, Jonathan,\$dcong	nb2011028186
Tumanov, Vladimir,\$editor,\$etranslator,	Zheng, Shijun,\$editor,	nb2014002660
Weaver, Jonathan,\$dcong	National Minority Consortia [U.S.]	no2003115655
Zheng, Shijun,\$editor,	One World Group of Broadcasters,\$reproduction	nr97045244
National Minority Consortia [U.S.]		
One World Group of Broadcasters,\$reproduction company,		
AMS Special Session on PDE Analysis on Fluid Flows\$d(2017:\$cAtlanta, Georgia),\$author,		

19

- Isolate the Library of Congress Control number from the link in the \$0 for those names on the headings report

Batch search OCLC for LCCNs and export the record to ILS



20

- Run the batch search in OCLC,
- add any local information you might need,
- and export records either directly to your ILS or into a batch file on your desktop to load with Data Exchange.



- So that's a quick way to import new name authority records.
 - It can be adapted to subject headings too.
 - But, as I mentioned before, the name authority file and the subject authority files are always changing.
-

LIBRARY OF CONGRESS SUBJECT HEADINGS MONTHLY LIST 01 (January 18, 2019)	Authority records for 20190428
Select this link to view the Summary of Decisions of the weekly editorial meeting.	Authority Records updates posted after January 19, 2008 require Ariel Unicode software packages or can be purchased separately. (Learn more about Ariel Unicode)
<p>110 23 Harrison Street House (New York, N.Y.) [sp2018003013] 410 UF 314 Washington Street House (New York, N.Y.) 410 UF Jonas Wood House (New York, N.Y.) 410 UF Wood House (New York, N.Y. : Harrison Street) 550 BT Dwellings--New York (State)</p> <p>110 27 Harrison Street House (New York, N.Y.) [sp2018002939] 410 UF 317 Washington Street House (New York, N.Y.) 410 UF John McComb Jr. House (New York, N.Y.) 410 UF McComb House (New York, N.Y.) 550 BT Dwellings--New York (State)</p> <p>110 390 Van Duzer Street House (New York, N.Y.) [sp2018002690] 550 BT Dwellings--New York (State)</p> <p>110 428 Lafayette Street Building (New York, N.Y.) [sp2018002964] 550 BT Dwellings--New York (State) 510 BT La Grange Terrace (New York, N.Y.)</p> <p>110 51 Market Street House (New York, N.Y.) [sp2018002892] 410 UF Clark House (New York, N.Y. : Market Street)</p>	<p>n 83218555 Old: 100 1 Akhmatova, R. S. †q (Raisa Soltmuradovna), †d 1928- New: 100 1 Akhmatova, R. S. †q (Raisa Soltmuradovna), †d 1928-1992</p> <p>n 81059040 Old: 100 1 Amiss, John Milton, †d 1887- New: 100 1 Amiss, John M. †q (John Milton), †d 1887-1968</p> <p>n 93064201 Old: 100 1 Anderson, Marie, †d 1916- New: 100 1 Anderson, Marie, †d 1916-1996</p> <p>n 95118310 Old: 100 1 Arnold, Johann Christoph, †d 1940- New: 100 1 Arnold, Johann Christoph, †d 1940-2017</p> <p>n 2009065966 Old: 100 1 Atkinson, David, †d 1921- New: 100 1 Atkinson, David, †d 1921-2012</p>
https://www.loc.gov/aba/cataloging/subject/weeklylists/	https://www.oclc.org/authority-records.html

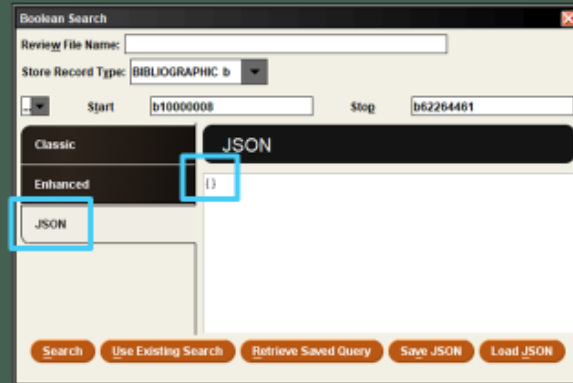
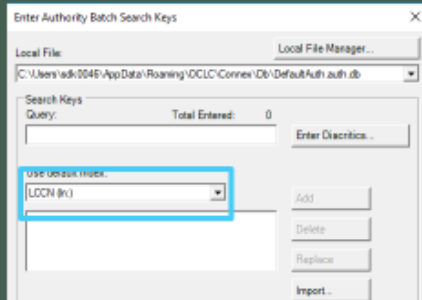
So how can you keep those authority records up-to-date?

- OCLC provides a list of closed dates for names weekly
- These are name headings that have a death date or some other formatting change made to the main entry.
- Library of Congress provides a list of updated subject records monthly
- The problem is, you have no way of knowing for sure if you have the updated heading in your catalog without searching each name/subject heading one by one
- The can be very time consuming.

Automate the update

Regular Expressions:

`^(.*?)$\s+?^(?=. *^1$)`



23

- However, I've learned a few things since we stopped updating our authority records:
- More about regular expressions and have gotten rather comfortable writing search queries with them
- Our Create List feature in Sierra now allows for JSON queries as an input option instead of needing to enter each search command line by line
- This makes it so much easier to search for 100 or more names all at once.
- With a few simple tweaks to the data in notepad++, it's as easy as copying and pasting.
- We've also played around with and figured out how to run batch searches for authority records in OCLC
- Given all of these changes, I think I've come up with a decent system for updating these records
- Essentially, turn the lists from Library of Congress and OCLC into a JSON query in Sierra to find any records that use the updated heading
- Take just those headings and use OCLC to batch search for the new authority records
- Overlay or load new authority records

- Hope the system automatically updates the bibliographic headings overnight
OR use global update to update the headings in the bib records

BATCH-UPDATING SUBJECT HEADINGS

- I'll start by explaining my process for subject headings



The screenshot shows the Library of Congress website's "Subject Headings" page. The header includes "The LIBRARY of CONGRESS" and navigation links for "ASK A LIBRARIAN", "DIGITAL COLLECTIONS", and "LIBRARY CATALOGS". A search bar is present with a "GO" button. The breadcrumb trail reads "The Library of Congress > Cataloging, Acquisitions > Subject Headings". The main content area is titled "Library of Congress Subject Headings (LCSH) Approved Lists" and contains a search box for "2019: List 01 (January 18)" with a "GO" button. Below the search box are links for "Subject Headings Editorial Meeting: Summary of Decisions" and "Submit a Proposal (PDF, 85 KB)". A sidebar on the left lists "Cataloging and Acquisitions Home", "About the Organization", "Contact", "FAQs", "News", "Acquisitions", "Resources for Cataloging", and "Catalogs, Authority". A black text box at the bottom of the screenshot displays the URL: <https://www.loc.gov/aba/cataloging/subject/weeklylists/>

- Here is the website you can visit to get the updated lists

Extract the LCSH record number

1		https://www.loc.gov/aba/cataloging/subject/weeklylists/
2	110	23 Harrison Street House (New York, N.Y.) [sp2018003013]
3	410	UF 314 Washington Street House (New York, N.Y.)
4	410	UF Jonas Wood House (New York, N.Y.)
5	410	UF Wood House (New York, N.Y. : Harrison Street)
6	550	BT Dwellings--New York (State)
7		
8	110	27 Harrison Street House (New York, N.Y.) [sp2018002939]
9	410	UF 317 Washington Street House (New York, N.Y.)
10	410	UF John McComb Jr. House (New York, N.Y.)
11	410	UF McComb House (New York, N.Y.)
12	550	BT Dwellings--New York (State)
13		
14	110	390 Van Duzer Street House (New York, N.Y.) [sp2018002690]
15	550	BT Dwellings--New York (State)
16		

new 2	New subject
1	2018003013
2	2018002939
3	2018002690
4	2018002964
5	2018002892
6	2018002914
7	2018001560
8	2018002940
9	85004519
10	85005814
11	2018002824
12	2018002897
13	2018001857

25

- First Extract the control number from the list of changed headings and copy these numbers to notepad++

Build the JSON query in Notepad++

```
{
  "queries": [
    {"target": {"record": {"type": "authority"}, "field": {"marcTag": "010"}, "expr": {"op": "regex", "operands": ["sh *85004519"]}}, "or",
    {"target": {"record": {"type": "authority"}, "field": {"marcTag": "010"}, "expr": {"op": "regex", "operands": ["sh *85005814"]}}, "or",
    {"target": {"record": {"type": "authority"}, "field": {"marcTag": "010"}, "expr": {"op": "regex", "operands": ["sh *85011073"]}}, "or",
    {"target": {"record": {"type": "authority"}, "field": {"marcTag": "010"}, "expr": {"op": "regex", "operands": ["sh *85014026"]}}, "or",
    {"target": {"record": {"type": "authority"}, "field": {"marcTag": "010"}, "expr": {"op": "regex", "operands": ["sh *85041121"]}}, "or",
    {"target": {"record": {"type": "authority"}, "field": {"marcTag": "010"}, "expr": {"op": "regex", "operands": ["sh *85064498"]}}, "or",
  ]
}
```

27

- Follow the step by step directions in the handout to format and build the JSON query in Notepad++

Run query through Sierra Create Lists

28

- Run your query through Sierra's Create lists (or the equivalent in your ILS)

Search Results

- 14 of 220
- Export 010 fields to a text file.
- Keep the list to delete old records later

Record	Description
1 a1056700	Puppeteers
2 a1094087	Educational equalization
3 a1207283	Linoleum block-printing.
4 a1884256	Pisgah National Forest (N.C.)
5 a2032454	Dido (Legendary character)
6 a5263360	Yeti
7 a531723x	Inventions
8 a558039x	Dido (Legendary character)
9 a5911904	Baker, Mount (Wash.)
10 a5916781	Cooking
11 a6634229	Lepcha (South Asian people)
12 a685574x	Lysimachia
13 a7156741	Kwakiutl language
14 a7571239	Callisto (Greek mythology)

OVGTR: info

List AUTHORITY Information

Line	Type	Field
1	a	MARC Tag 010

Append
Insert
Delete

Page heading

Starting record (1-14) 1

Ending record (1-14) 14

Number of blank lines between records 0

Number the records in the list

Display meanings of fixed-length fields instead of codes

Display each variable-length field on a new line

Display labels for variable-length fields

If listing bibliographic title, print it in uppercase

Run in background

OK Apply Saved List Save This List Close

29

- We have fourteen out of the two hundred and twenty records on the list.
- From here, export the control numbers in the 010 fields to a text file.
- Keep the list to delete old records later

Format data to batch search OCLC

Enter Authority Batch Search Keys

Local File Manager...

C:\Users\ash\2016\AppData\Roaming\OCLC\Connect\Ocl\DefaultAuth.auth.db

Search Keys Total Entered: 14 Enter Descriptions...

Use default index: LCCN (In:) [dropdown]

ln:sh 95011073
ln:sh 95008493
ln:sh 95076847
ln:sh 98022910
ln:sh 95073542
[listbox]

Import... [button]

Save [button]

Retrieve all records from offline save file

Link by Review Status:
 Non-Submitted
 Submitted

Delete downloaded records from online save file

Errors (1)

Search Key	Error
ln:sh 94003907	No records found for your search. Please change or simplify your search and try again.

Successful Searches (14)

Search Key	# Records	Save #	Control #	Title
ln:sh 95109143	1	2285	2018314	Puppets
ln:sh 85841121	1	2286	2114042	Educational equalization
ln:sh 85077249	1	2287	2056961	Linoleum block-printing
ln:sh 91085142	1	2288	3864720	Pinquah National Forest (N.C.)
ln:sh 85149134	1	2289	2115069	Yeh
ln:sh 85067667	1	2290	2119154	Inventions
ln:sh 91000662	1	2291	11848326	Dido f.c. (legendary character)
ln:sh 85011073	1	2292	2090826	Baker, Mount (Wash.)
ln:sh 910089408	1	2293	8535681	Cooking
ln:sh 85076047	1	2294	2940179	Lepcha (South Asian people)
ln:sh 88022910	1	2295	2243111	Lysimachia
ln:sh 85073542	1	2296	2151894	Kavkazi language
ln:sh 93007687	1	2297	11635814	Callisto f.c. (Greek mythological character)

Dido (legendary character) in fiction was deleted, so the record doesn't exist anymore

30

- In OCLC, enter authority batch search keys, using the default index of "LCCN (In:)".
- Process the Batch to get a "Batch Search Report" (shown here)

Export updated authority records

- Batch Export from OCLC and then upload using the Subject Load table in Data Exchange



31

- Export the records.
 - If your load table is set up to overlay, they will overlay the old one.
 - If not, just use the list you created earlier and delete those records in the "Delete Records function" of Sierra.
 - If you don't have too many in your list, you could do it individually and check for local additions that you may not want to lose.
 - Or if you want to export each individual subject record from OCLC, you can use a 949 overlay text string.
-

Resolving problems

- Check your headings reports for duplicate authority records and blind references

32

- Check your headings reports for duplicate authority records and blind references
 - Delete the old authority records that are duplicated by the upload
 - Resolve blind references (which come from headings changing, like fictional characters)
 - Most of the time, subfields are only deleted from or added to the record, not changing the main entry, so there shouldn't be too many to fix.
-



BATCH-UPDATING NAME AUTHORITIES

- Closed dates are a bit more complicated because they can occur in more places.
- Names can occur in a 1XX Main entry, as a 6XX in the subjects, or as a 7XX added entry.
- That means you have to search each name three times.

The screenshot shows the OCLC website page titled "Closed Dates in Authority Records". The page includes the OCLC logo and tagline "The world's libraries. Connected." in the top left, and social media sharing icons in the top right. The main heading is "Closed Dates in Authority Records". Below the heading, there is a paragraph explaining that since the publication of revised [LCBI 22.17](#) in February 2006, catalogers have had the option to add death dates to personal name headings with open dates. Another paragraph states that both the Library of Congress and OCLC are aware that many libraries are interested in incorporating these changes into their catalogs. A third paragraph mentions that lists for each week since the new policy went into effect on 1 February 2006 are available below and as an [RSS feed](#). A **NOTE** section specifies that authority records updates posted after 15 January 2008 require Arial Unicode font. Under the "Recent updates" section, there are two links: [Authority records for 20190428](#) and [Authority records for 20190421](#). A large black box with white text is overlaid on the right side of the page, containing the URL <https://www.oclc.org/authority-records.html>. The page number "34" is visible in the bottom right corner.

- Here is the website for these lists

Build the JSON query in Notepad++

```
n 2008005874
n 2008042334
n 2010039374
n 2019006746
n 50007231
n 50034831
n 50043013
```

**Option 1:
Record
number**

**Option 2:
Old name
format**

```
Almeida, Fernando d', 1955-
Averill, Gerald P., 1919-
Bennett, Rodney, 1935-
Berezowski, Cezary, 1898-
Berger, Klaus, 1901-
Boggs, W. Arthur, 1916-
Bragg, Don, 1935-
```

```
{
  "queries": [
    {
      "target": {
        "record": {
          "type": "authority",
          "field": {
            "marcTag": "010"},
          "expr": {
            "op": "regex",
            "operands": [
              "n.*2008005874"
            ]
          }
        }
      }
    },
    {
      "target": {
        "record": {
          "type": "authority",
          "field": {
            "marcTag": "010"},
          "expr": {
            "op": "regex",
            "operands": [
              "n.*2008042334"
            ]
          }
        }
      }
    },
    {
      "target": {
        "record": {
          "type": "authority",
          "field": {
            "marcTag": "010"},
          "expr": {
            "op": "regex",
            "operands": [
              "n.*2010039374"
            ]
          }
        }
      }
    },
    {
      "target": {
        "record": {
          "type": "authority",
          "field": {
            "marcTag": "010"},
          "expr": {
            "op": "regex",
            "operands": [
              "n.*2019006746"
            ]
          }
        }
      }
    },
    {
      "target": {
        "record": {
          "type": "authority",
          "field": {
            "marcTag": "010"},
          "expr": {
            "op": "regex",
            "operands": [
              "n.*50007231"
            ]
          }
        }
      }
    },
    {
      "target": {
        "record": {
          "type": "authority",
          "field": {
            "marcTag": "010"},
          "expr": {
            "op": "regex",
            "operands": [
              "n.*50034831"
            ]
          }
        }
      }
    }
  ]
}
```

```
{
  "queries": [
    {
      "target": {
        "record": {
          "type": "bib",
          "field": {
            "marcTag": "100"},
          "expr": {
            "op": "starts_with",
            "operands": [
              "Almeida, Fernando d'"
            ]
          }
        }
      }
    },
    {
      "target": {
        "record": {
          "type": "bib",
          "field": {
            "marcTag": "100"},
          "expr": {
            "op": "starts_with",
            "operands": [
              "Averill, Gerald P."
            ]
          }
        }
      }
    },
    {
      "target": {
        "record": {
          "type": "bib",
          "field": {
            "marcTag": "100"},
          "expr": {
            "op": "starts_with",
            "operands": [
              "Bennett, Rodney"
            ]
          }
        }
      }
    },
    {
      "target": {
        "record": {
          "type": "bib",
          "field": {
            "marcTag": "100"},
          "expr": {
            "op": "starts_with",
            "operands": [
              "Berezowski, Cezary"
            ]
          }
        }
      }
    },
    {
      "target": {
        "record": {
          "type": "bib",
          "field": {
            "marcTag": "100"},
          "expr": {
            "op": "starts_with",
            "operands": [
              "Berger, Klaus"
            ]
          }
        }
      }
    },
    {
      "target": {
        "record": {
          "type": "bib",
          "field": {
            "marcTag": "100"},
          "expr": {
            "op": "starts_with",
            "operands": [
              "Boggs, W. Arthur"
            ]
          }
        }
      }
    }
  ]
}
```

35

- There are different levels of thoroughness you can work towards.
- Each level requires more manual work, so it's up to you to decide what's worth it in the end.
- Option 1: You can just search the authority records for the closed dates (like we did with the updated subject headings).
- This will find the authority records of any names on the list in your catalog, but then you will still need to change the corresponding bib records.
- In our catalog, we didn't load authority records for every name, so we may have used the name in a bib record, but not have the authority record.
- We would never know if we only used this option.
- Option 2: You can search your bibliographic records for headings that match the old name.
- This does a pretty good job returning a name match.
- You just have to sort through many potentially false matches

Doorean Search

Review File Name: Subject Heading Updates

Store Record type: AUTHORITY a

Range Start a1000007 Stop a0315880

Classic

Enhanced

JSON

```
{
  "queries": [
    {
      "target": {
        "record": {
          "type": "authority",
          "field": "marcTag: 010",
          "expn": "op"
        }
      }
    },
    {
      "target": {
        "record": {
          "type": "authority",
          "field": "marcTag: 010",
          "expn": "op"
        }
      }
    },
    {
      "target": {
        "record": {
          "type": "authority",
          "field": "marcTag: 010",
          "expn": "op"
        }
      }
    },
    {
      "target": {
        "record": {
          "type": "authority",
          "field": "marcTag: 010",
          "expn": "op"
        }
      }
    },
    {
      "target": {
        "record": {
          "type": "authority",
          "field": "marcTag: 010",
          "expn": "op"
        }
      }
    },
    {
      "target": {
        "record": {
          "type": "authority",
          "field": "marcTag: 010",
          "expn": "op"
        }
      }
    },
    {
      "target": {
        "record": {
          "type": "authority",
          "field": "marcTag: 010",
          "expn": "op"
        }
      }
    },
    {
      "target": {
        "record": {
          "type": "authority",
          "field": "marcTag: 010",
          "expn": "op"
        }
      }
    },
    {
      "target": {
        "record": {
          "type": "authority",
          "field": "marcTag: 010",
          "expn": "op"
        }
      }
    },
    {
      "target": {
        "record": {
          "type": "authority",
          "field": "marcTag: 010",
          "expn": "op"
        }
      }
    },
    {
      "target": {
        "record": {
          "type": "authority",
          "field": "marcTag: 010",
          "expn": "op"
        }
      }
    },
    {
      "target": {
        "record": {
          "type": "authority",
          "field": "marcTag: 010",
          "expn": "op"
        }
      }
    },
    {
      "target": {
        "record": {
          "type": "authority",
          "field": "marcTag: 010",
          "expn": "op"
        }
      }
    },
    {
      "target": {
        "record": {
          "type": "authority",
          "field": "marcTag: 010",
          "expn": "op"
        }
      }
    },
    {
      "target": {
        "record": {
          "type": "authority",
          "field": "marcTag: 010",
          "expn": "op"
        }
      }
    }
  ]
}
```

Search [No Existing Search] [Refresh Saved Query] [Save JSON] [Load JSON] [Close]

Run query
through
Sierra
Create
Lists

36

- Copy and paste the JSON query into a create lists line

Search Results

Option 1:

- 12 of 86 record numbers

Option 2:

- 100+ results out of 86 old names searched in 258 total searches; 18 were more closely investigated; 9 more names found

The screenshot shows a library catalog interface. On the left, a table lists search results with columns for Record, Record, and Description. On the right, a dialog box titled 'List AUTHORITY Information' is open, showing a table of fields to be listed and several checkboxes for display options.

Record	Record	Description
1	a210443x	Broecker, Wallace S., 1931-
2	a2240944	Berger, Klaus, 1901-
3	a2869950	Gough, Kathleen, 1925-
4	a401845x	Devonshire, R. L. Mrs., d. 1884.
5	a4461789	Lunt, James D., 1917-
6	a4755170	Locks, William N. (William Nopoko), 1899-
7	a5509476	Dupont, Paul, d. 1957
8	a5727323	Aresino, Pietro, 1492-1556. Works, 1992
9	a7213918	Traquair, John Stewart, Earl of, d. 1659.
10	a7220650	Traquair, John Stewart, Earl of, d. 1659.
11	a7282631	Easton, Michael, 1954-
12	a9020809	Houston, David, 1937-

The 'List AUTHORITY Information' dialog box shows a table with columns for Line, Type, and Field. The first row is '1 a MARC Tag 010'. There are buttons for 'Append', 'Insert', and 'Delete'. Below the table are several checkboxes: 'Display meanings of fixed-length fields instead of codes' (unchecked), 'Display each variable-length field on a new line' (checked), 'Display labels for variable-length fields' (unchecked), 'If listing bibliographic title, print it in uppercase' (checked), and 'Run in background' (unchecked). At the bottom are buttons for 'OK', 'Apply Saved List', 'Save This List', and 'Close'.

37

- Searching by just the record number, I found 12 instances where we already had an authority record for the name in either our subject or name index.
 - When I searched by the old names (option 2), I found several more that we did not have authority records for.
 - I found at least 18 names that seemed promising for further investigation.
 - A few of them were indeed other people, but there were about 8 names that needed to be updated in the name index alone that didn't have authority records.
-

Compare Names to Updated List

40	Lucas, Marcia.	n 85100269
41	Lucier, Alvin.	Old: 100 1 Loucks, William N. ‡q (William Negele), ‡d 1899-
42	Lucier, Alvin. Conductor.	New: 100 1 Loucks, William N. ‡q (William Negele), ‡d 1899-1983
43	Lucier, Alvin. Lullaby.	
44	Lucier, Alvin. North American time caps	
45	Lully, Jean-Baptiste, 1632-1687.	
46	Lumet, Sidney, 1924-2011.	no 93014894
47	Lumley, Robert Don.	Old: 100 1 Lund, Robert, ‡d 1925-
48	Lumley, Robert, 1951-	New: 100 1 Lund, Robert, ‡d 1925-1995
49	Luna, Miguel de, 16th/17th cent.	
50	Lund, Robert T.	n 50043013
51	Lund, Robert, 1915-	Old: 100 1 Lunt, James D., ‡d 1917-
52	Lunt, James D., 1917-	New: 100 1 Lunt, James, ‡d 1917-2001
53	Lush, Ernest.	
54	Lusignano, Stefano, 1537-1590.	
55	Luther, Martin, 1483-1546.	
56	Lyon, Eric, 1962- Low flying unicorns.	no2004052322
57	Lyons, John O.	Old: 100 1 Lyons, John O. ‡q (John Ormsby), ‡d 1927-
58	L(u00F3)pez Lezcano, Fernando. Hot'n co	New: 100 1 Lyons, John O. ‡q (John Ormsby), ‡d 1927-2003
59	Mac Low, Jackson.	
60	Mack, Marion, 1902-1989.	

38

- Look through the results and compare them to the original list of names
 - Copy the control number from the OCLC list of matched names and use them to run a batch search in OCLC
-

Format data to batch search OCLC

The screenshot shows two windows from the OCLC software. The left window, titled 'Enter Authority Batch Search Keys', has a 'Local File Manager' path of 'C:\Users\ack0546\AppData\Roaming\OCLC\Connect\DefaultAuth.auth.db'. It contains a list of search keys with the following entries: 'lcn 83743208', 'lcn 85209745', 'lcn 86872669', 'lcn 96053324', 'lcn 97119363', and 'lcn 00028217'. The 'lcn 00028217' entry is selected. A dropdown menu is open, showing 'LCCN (In:)' as the selected option. The 'Import' button is also visible. The right window, titled 'Batch Search Report', shows session information: 'Session ID: orx005.prod.oclc.org.33585-pf@qbs-ue00p', 'Report Start Time: 2019-05-08T15:38:30-05:00', and 'Session Duration: 00:00:04.5684656'. It also shows 'Bibliographic exports reported: 0' and 'Authority exports reported: 0'. Below this is a table of 'Successful Searches (11)'. The table has columns for 'Search Key', '# Records', 'Save #', 'Control #', and 'Title'. The data rows are: 'lcn 50034831 | 1 | 1 | 70152 | Gough, Kathleen, fd 1925-1990', 'lcn 50043013 | 1 | 2 | 78183 | Lunt, James, fd 1917-2001', 'lcn 82122243 | 1 | 3 | 818087 | Broecker, Wallace S., fd 1931-2019', 'lcn 83005345 | 1 | 4 | 901260 | Houston, David, fd 1935-1993', 'lcn 85100269 | 1 | 5 | 1310594 | Leucke, William N. 4q (William Nagel)', 'lcn 85143026 | 1 | 6 | 1492831 | Taggart, John Stewart, 4c Earl of, fd', 'lcn 85269745 | 1 | 7 | 1578753 | Berger, Klaus, fd 1901-2000', 'lcn 86872669 | 1 | 8 | 1733024 | Devonshire, R. L., 4c Mrs., fd 1864-1', 'lcn 96053324 | 1 | 9 | 4099489 | Avetisov, Petros, fd 1492-1556, 4f War', 'lcn 97119363 | 1 | 10 | 4544357 | Dupont, Paul, fd 1889-1988', and 'lcn 00028217 | 1 | 11 | 5202825 | Easton, Michael, fd 1954-2004'.

39

- Save the control numbers as a text file.
- In OCLC, enter authority batch search keys, using the default index of "LCCN (In:)".
- Process the Batch to get a "Batch Search Report" (shown here)

Export updated authority records

Change the headings in the bibliographic record or wait for bibliographic maintenance to make the changes.



40

- Export into a batch file or individually.
- Here I overlaid each record one at a time so I could look to see what we had.
- Most seem to have a cross reference that should allow bibliographic maintenance to make the changes for me.
- I think in reality, it did two of the seven names I loaded, so I still needed to go back and correct several bib records.

Resolving problems

- Check your headings reports for duplicate authority records and invalid headings

41

-
- Check your headings reports for duplicate authority records and invalid headings
-

Tips

- Google is your friend to find Regular Expressions or Excel how-to's
- Build a search in the Classic view, then switch over to the JSON view to find how to write the code. Use "INSERT VALUE HERE" as your value A and it'll be that much easier to copy your own values

42

- Now that I've explained my processes, I have a few parting tips.
 - Google is your friend.
 - If I don't know how to do something in Excel or Regular Expressions, I google it and can usually find a decent formula or two that can meet my needs.
 - In Create Lists, build a search in the classic view, then switch over to the JSON view to find how to write the code. Use "INSERT VALUE HERE" as your value A and it'll be that much easier to copy your own values
-

Tips

- Combine several lists search all at once
- Avoid copying your Regular Expressions from Word
- Reuse! Reuse! Reuse!
- Troubleshoot Sierra error codes in Notepad++ to find the line and column easier.
- Experience will make this easier.

43

- Wait until you have several lists to combine and then set up one search all at once, instead of setting it up weekly
 - Try to avoid copying your Regular Expressions from Word because the automatic-formatting might cause problems.
 - For example, a quotation mark gets changed to a slanted quotation mark automatically, which the computer interprets differently.
 - Reuse! Reuse! reuse!
 - We figure out how to set up one JSON query and then reuse it whenever practical
 - You will run into times where the code doesn't want to work.
 - Sierra will prevent you from continuing your search with a dialog box.
 - This box shows where the problem is but it's hard to work with it in Sierra.
 - Use Notepad++ to find the line and column and see what might be wrong.
 - Usually you don't have enough brackets or too many, or you might be missing a comma.
 - Experience will make this easier.
-

Resources

- Getting Started with Regular Expressions in MarcEdit
 - <https://www.youtube.com/watch?v=7YXvS4xBEfw>
- Regular Expressions in Create Lists
 - <https://wiliug.files.wordpress.com/2015/02/matches-handout-2015.pdf>
- Regular Expressions Cheat Sheet
 - <https://www.rexegg.com/regex-quickstart.html>
- Batch Processing in the Client: Overview- OCLC
 - <https://help.oclc.org/@api/deki/files/5147/connexion-client-batch-processing.pdf>

44

- Here are some resources that I use when doing this type of work.
- The first is a YouTube video tutorial by Terry Reese, the creator of MarcEdit.
- He really breaks down regular expressions for anyone unfamiliar with them and shows how to do some basic expressions.
- This video is over an hour long.
- The second is a great document on how to use regular expressions in Sierra Create lists.
- You can select “R matches” under “condition” to use these regular expressions in Sierra’s create lists.
- The document also covers Millenium.
- I love this document’s explanations and examples on how to search for different situations.
- It’s really helped me find things I never thought I’d be able to in order to do clean up for our automated authority control vendor prep.
- The third document is a concise listing of different regular expressions, what they mean, and an example.

- Helpful for writing new ones I don't use very often.
- The last document is a link to OCLC's overview of their batch processing in the Connexion client.
- They have a lot of documentation on their website on how to do different things.

Bibliography

- Zumer, M. (2009). *National bibliographies in the digital age*. München: Saur.
- <https://www.loc.gov/aba/cataloging/subject/weeklylists/>
- <https://www.oclc.org/authority-records.html>

Links and Questions

- Slides and procedures handout will be posted to the conference website and the UNT Institutional Repository
- More technical version of this presentation with all of the regular expressions and the steps explained in detail is available here:

<https://digital.library.unt.edu/ark:/67531/metadc1506776/>

Contact me: Stacey Wolf stacey.wolf@unt.edu

46

My slides and a handout of the procedure should eventually be posted to the conference website as well as to the UNT Institutional Repository. I created the handout as a text file because it's so much easier to copy and paste from without messing up your regular expression. However, there are very limited options for formatting within a text file so it can look a little overwhelming

- Here is the much more technical version of the presentation that has all of the regular expressions and every step explained throughout.
- And if you have any questions I can't answer here or come across a problem when you are trying this back at your library, email me. I'd love to help.
- Thank you for your time!