Getting the most out of searching

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PINES Program Manager

Agenda

• Search theory and function in Evergreen
• Mechanics and practice of searching in Evergreen
• Tips, tricks, and pitfalls...
Goals

• Better understand search results
• Search more effectively in the PINES database.
MAchine Readable Cataloging (MARC) standards for the representation and communication of bibliographic and related information in machine-readable form. (http://www.loc.gov/marc/)

Anglo-American Cataloguing Rules (AACR)

XML-based bibliographic description schema

XML schema based on MARC21

Extensible Markup Language (XML) defines and encodes documents so they can be read by people and computers. Designed to carry data, not to display data.

MARC21 record

<table>
<thead>
<tr>
<th>LDR</th>
<th>c a a</th>
</tr>
</thead>
<tbody>
<tr>
<td>001</td>
<td>2508902</td>
</tr>
<tr>
<td>005</td>
<td>20200610010857.8</td>
</tr>
<tr>
<td>008</td>
<td>920219120353 cuaa j 000 0 eng</td>
</tr>
<tr>
<td>010</td>
<td>92050291</td>
</tr>
<tr>
<td>040</td>
<td>DLC 4c DLC 4d DLCQ 4d BAKER 4d BTCTA 4d YGKCP 4d OCLC</td>
</tr>
<tr>
<td>020</td>
<td>0153008855 4 e $15.95</td>
</tr>
<tr>
<td>022</td>
<td>97815292038656</td>
</tr>
<tr>
<td>042</td>
<td>icac</td>
</tr>
<tr>
<td>050</td>
<td>00735357 A618 4c ABB 1993</td>
</tr>
<tr>
<td>082</td>
<td>00 811/52 R 2 20</td>
</tr>
<tr>
<td>100</td>
<td>1 Sandburg, Carl, 4d 1878-1967.</td>
</tr>
<tr>
<td>245</td>
<td>10 Arithmetic / 4c Carl Sandburg ; illustrated as an anamorphic adventure by Ted Rand.</td>
</tr>
<tr>
<td>250</td>
<td>1st ed.</td>
</tr>
<tr>
<td>300</td>
<td>1 v. (unpaged) : 4b il. (some col.) : 4c 26 cm.</td>
</tr>
<tr>
<td>500</td>
<td>One Mylar sheet included in pocket.</td>
</tr>
<tr>
<td>520</td>
<td>A poem about numbers and their characteristics. Features anamorphic, or distorted, drawings which can be restored to normal by viewing from a particular angle or by viewing the image’s reflection in the provided Mylar cone.</td>
</tr>
<tr>
<td>650</td>
<td>0 Arithmetic 4v Juvenile poetry.</td>
</tr>
<tr>
<td>650</td>
<td>0 Children’s poetry, American.</td>
</tr>
<tr>
<td>650</td>
<td>1 Arithmetic 4v Poetry.</td>
</tr>
<tr>
<td>650</td>
<td>1 American poetry.</td>
</tr>
<tr>
<td>650</td>
<td>1 Visual perception.</td>
</tr>
<tr>
<td>700</td>
<td>1 Rand, Ted, 4e il.</td>
</tr>
</tbody>
</table>
More information at:
http://www.loc.gov/standards/marcxml/
MODS transformation, cont.

MODS Mapping for MARC 21 bibliographic records - Name

More information at: http://www.loc.gov/standards/mods/
Six basic search classes

- **Title** – Generally, MODS titleInfo elements
- **Author** – Generally, MODS name elements
- **Subject** – Generally, MODS subject elements
- **Series** – MODS titleInfo elements within a relatedItem element that has a type attribute of series
- **Keyword** – Everything within the MODS record, except the originInfo element and descendants (control fields, publisher field primarily)
- **Identifier** – Record accession numbers, most MARC standard number fields, and bib-level free-text call numbers such as ISBNs, ISSNes, ISMNs, LCCNs, and OCLC numbers.

Indexed fields and MODS elements for title search in PINES
Weight

Superpages
Superpage retrieval

Changes to superpage retrieval

Subject: civil war search
Prior to the database cleanup project

After clean-up

In 2.5
Search tips and methodology

- The default search is a keyword search on media of all types at the local library system where the user is logged in.
- All searches are keyword searches, unless using “contains phrase” or “starts with” from dropdown menus.
- In basic and advance searching, your search terms, including author names, can be entered in any order.
- Order matters in browse searching.
- Case is ignored. Lower and upper case letters are treated the same.

Search tips and methodology

- Search terms are stemmed by default.
  - Stemming: searches all forms of the word
  - Matches exactly or enclosing the search terms in “” stops stemming
- You can search partial titles, authors and subject headings.
- You do not need to include punctuation. Punctuation marks within words, with the exception of _, are ignored.
- Most diacritical marks, &, or | located anywhere in the search term are removed.
- All search terms are joined by and by default.
Search tips and methodology

- *And, or, not* are searchable terms in Evergreen and are not used as Boolean operators.
- You can use quotes to search for an exact phrase. For example: “Harry Potter”.
- There are no stop words in Evergreen. A title search of just the terms *the and or not of* retrieves a list of titles containing those words.
- Truncation using the wildcard * to replace characters is now supported. The wildcard ? is not supported in 2.5.

Search tips and methodology

- If a record is not coded correctly, it will not retrieve in searches as expected and will return in unexpected searches.
- If a record is coded correctly; but, not as you expect, it will not retrieve in searches as expected and will return in unexpected searches.
- Because searching is keyword, you will get results you didn’t expect.
- One record for *Norton Anthology of English Literature* contains almost every word in the English language and will be in almost all search results.
Counts again –
Basic Search

- **Keyword**
  - Searches everything
  - Word order does not matter

- **Title**
  - Pulls from title fields (main title, alternate titles, short story titles, etc.)
  - Word order does not matter
  - *Usually* better to leave off initial articles (the, a, an)
Basic Search – Keyword versus Title

<table>
<thead>
<tr>
<th>Search Type</th>
<th>Terms</th>
<th>Results</th>
<th>Result #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Keyword</td>
<td>help</td>
<td>9510</td>
<td>p. 19, #190</td>
</tr>
<tr>
<td>Title</td>
<td>help</td>
<td>5427</td>
<td>p. 8, #73</td>
</tr>
<tr>
<td>Title</td>
<td>the help</td>
<td>2789</td>
<td>p. 1, #1</td>
</tr>
<tr>
<td>Title</td>
<td>“the help”</td>
<td>57</td>
<td>p. 3, #25</td>
</tr>
<tr>
<td>Keyword</td>
<td>help stockett</td>
<td>13</td>
<td>p. 1, #1</td>
</tr>
</tbody>
</table>

Basic Search - Tips

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Definition</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>*</td>
<td>Wildcard</td>
<td>teach* (searches teach, teaching, and teachers)</td>
</tr>
<tr>
<td>-</td>
<td>Not</td>
<td>teenage ninja –mutant</td>
</tr>
<tr>
<td>“”</td>
<td>Phrase</td>
<td>night life = 6059 results “night life” = 102 results</td>
</tr>
</tbody>
</table>
Search Result Sorting

- Relevance
- Title
- Author
- Publication Date

Facets

- Personal – Authors
- Topic – Subjects
- Series Title – Only if series fields are filled out in the MARC record
- Name – Person or organization who is a subject
- Geographic – 651 field for Geographic subject headings
Facets

Basic Search - Author

- Author
  - Order does not matter
  - Author’s “correct” name does matter
- Examples
  - Ally Condie = No
  - Allyson Condie = Yes
  - All* Condie = Yes
Two Authors with the Same Name

Basic Search - Subject

• Subject
  • Must use specific Subject Heading terminology
  • Subject Headings for children’s materials may use different terms for the same thing

• Example
  • Car = juvenile materials
  • Automobiles = adult / general materials, plus some juvenile materials
Subject Headings for The Hunger Games

Search for related items by subject

**Subject:** Survival > Juvenile fiction.
  Television programs > Juvenile fiction.
  Interpersonal relations > Juvenile fiction.
  Contests > Juvenile fiction.

**Genre:** Dystopias
  Science fiction.
  Young adult fiction.
  Dystopias
  Science fiction.

Basic Search - Series

- **Series**
  - Must match series name specified in the record
  - Publishers are notoriously bad about putting series titles in the books
  - Some book series don’t have official titles
- **Example:**
  - Matched by Ally Condie = no series info in MARC record, so it doesn’t find it with a series search
Series: Dark Tower

Series: BBC
Series: NoveList Select (New!)

Reader Ratings and Reviews

Ducks in This Series

You Might Also Like These...

Advanced Search
Advanced Search

- Use combinations of search types
  - Title AND Author
  - Series OR Keyword
- OR
  - Contains either of the words

<table>
<thead>
<tr>
<th>Input</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contains</td>
<td>Normal</td>
</tr>
<tr>
<td>Does Not Contain</td>
<td>- (minus)</td>
</tr>
<tr>
<td>Contains Phrase</td>
<td>&quot; &quot; &quot; (quotes)</td>
</tr>
<tr>
<td>Matches Exactly</td>
<td>Has to be exact and complete</td>
</tr>
<tr>
<td>Starts With</td>
<td>Has to be exact</td>
</tr>
</tbody>
</table>
Advanced Search - Filters

Numeric Search

- **ISBN**: International Standard Book Number
- **ISSN**: International Standard Serial Number
- **Call number browse**: Local Call Number Browse
- **LCCN**: Library of Congress Control Number
- **TCN**: Title Control Number
- **Item Barcode**
### ISBN (020)

<table>
<thead>
<tr>
<th>MARC FIELD</th>
<th>VALUE</th>
</tr>
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<tbody>
<tr>
<td>001</td>
<td>177630</td>
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<tr>
<td>003</td>
<td>GaasGPL</td>
</tr>
<tr>
<td>005</td>
<td>20110526134325 0</td>
</tr>
<tr>
<td>008</td>
<td>900706s1990 nyu 000 0 eng d</td>
</tr>
<tr>
<td>200</td>
<td>0440206707 (pbk.)</td>
</tr>
<tr>
<td>200</td>
<td>0440440206705 (pbk.)</td>
</tr>
<tr>
<td>205</td>
<td>(OCoL)ocm21967024</td>
</tr>
<tr>
<td>245</td>
<td>The Viking's Woman / &quot;The Viking's Woman&quot; by Heather Graham.</td>
</tr>
<tr>
<td>300</td>
<td>469 p. ; 18 cm.</td>
</tr>
<tr>
<td>500</td>
<td>000 Fiction.</td>
</tr>
<tr>
<td>994</td>
<td>$b GSL</td>
</tr>
<tr>
<td>901</td>
<td>ocm21967024 $b OCoL $c 177630 $d biblio</td>
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</table>

### TCN (035)

<table>
<thead>
<tr>
<th>MARC FIELD</th>
<th>VALUE</th>
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<tbody>
<tr>
<td>001</td>
<td>177630</td>
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<tr>
<td>003</td>
<td>GaasGPL</td>
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<tr>
<td>005</td>
<td>20110526134325 0</td>
</tr>
<tr>
<td>008</td>
<td>900706s1990 nyu 000 0 eng d</td>
</tr>
<tr>
<td>200</td>
<td>0440206707 (pbk.)</td>
</tr>
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<td>200</td>
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<td>994</td>
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</tr>
<tr>
<td>901</td>
<td>ocm21967024 $b OCoL $c 177630 $d biblio</td>
</tr>
</tbody>
</table>
Call Number (Shelf Browse)

- Works best with single branch
- Need to know call number format
  - Does it start with J or NON FIC or MYS or BIO or...?
  - Do the Non-Fiction books start with the number or do they start with NF or NON FIC or ...?

Expert searching

![Expert Search Interface](image-url)
Expert searching

![Expert Search](image)

Expert searching

![Search Results](image)
Browse searching

Searches:
- Titles
- Authors
- Subjects
- Series
Browse searching

Browse for Subjects - starting with Garbage in PINES

--- Back Next ---

- Garages (60)
- Garagiste, Joe (2)
- Garagiste, Joe, 1926 (1)
- Garagiste (1)
- Garanties min des centenarum (1)
- Garavito, Ignacio (1)
- Garavito, Jan (1)
- Garbage
  - See Also From Tracing - Topical Term Factory and trade waste (38)
    - Note: (May subdivide gener.)
    - See Also From Tracing - Topical Term Recycling (180)
    - Heading - Topical Term Refuse and refuse disposal (180)
  - Referring to new

Browse searching
Browse searching

Browse for Authors starting with condie, ally in PINES

- Condor, Michele (1)
- Condor, Michelle (5)
- Condor, Russell (1)
- Condor, Shane 1975- (2)
- Condor, Susan (24)
- Condle, Alan I. (2)
- Condle, Allyson Braithwaite (1)
- Condie, Allyson Braithwaite (14)
- Condle, Richard (1)
- Condle, Richard (Richard P.) (15)
- Condle, Steven (1)
- Condlt, Carl W. (1)
- Condlt, Doris M. 1921- (1)
- Condlt, Em. (1)
- Condlt, Martha Olson (1)

Browse searching

Sandford, Cathy (2)
Sandford, Christopher (1)
Sandford, Christopher 1995- (1)
Sandford, Dan (1)
Sandford, Greg (21)
Sandford, Jeremy (1)
Sandford, John (48)
Sandford, John 1944 (4)
Sandford, John 1944 Feb 23 (At least 100)
Sandford John 1944 Feb 23 PINES (500)
- See also From tracing -- Personal Name Sandford, John 1944 Feb 23
- Heading -- Personal Name Sandford, John 1944 (4)
- Sandford, John 1944 February 23 (15)
- Sandford, John 1945- (53)
- Sandford, John 1963 (12)
- Sandford, John II (2)
Problem searches?
Questions?