Welcome!

The Yale University Library catalog contains authority records that help staff maintain consistent headings in the catalog. They also generate cross references that facilitate searching. The Library creates its new authority records in OCLC via the cooperative cataloging program NACO [1]. These records become part of the Library of Congress Authorities [2], a master file shared with libraries throughout the world.

The Library relies on the MARS service to help maintain authority control in ORBIS. This service corrects headings in new bibliographic records, supplies new and changed authority records, and provides reports that facilitate retrospective database cleanup activities.

Quick Links:

- Authorities and Identities Advisory Group [3]
- Authority Control Workflow for C&T Staff [4]
- Authority Control Workflow for Catalog Librarians [5]
- Cataloger's Desktop [6]
- LC Cataloging and Acquisitions [7]
- LC Web Authorities [8]
- LC Web Authorities FAQ [9]
- Orbis Heading Change Request Form [10]
- Virtual International Authority File (VIAF) [11]
- Yale Policies for NACO Series Authority Records [12]

Voyager

Last modified: Friday, May 22, 2015 - 9:48am

Voyager Authority Control Tips

QUESTION: How do I recognize authority records in Orbis?

Authority records are easily recognizable in the Orbis database. They have a salmon-colored background. They also have a yellow star-shaped icon that looks like a "sheriff's badge" in the upper-left corner. And the record number in the title bar is preceded by "Auth." Here is an example of an authority record:
Although background color, star icon, and record number are the quickest ways to identify authority records in Voyager, they can also be recognized by their fairly distinctive MARC tagging structure:

<table>
<thead>
<tr>
<th>Tag</th>
<th>I1</th>
<th>I2</th>
<th>Subfield Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>010</td>
<td></td>
<td></td>
<td>‡a n 79061368</td>
</tr>
<tr>
<td>035</td>
<td></td>
<td></td>
<td>‡a (OCoLC)oca00294382</td>
</tr>
<tr>
<td>035</td>
<td></td>
<td></td>
<td>‡a AAK6050YL</td>
</tr>
<tr>
<td>040</td>
<td></td>
<td></td>
<td>‡a DLC ‡b eng ‡c DLC ‡d MdU ‡d DLC-R ‡d DLC ‡d OCoLC</td>
</tr>
<tr>
<td>053</td>
<td></td>
<td>0</td>
<td>‡a PQ2605.A3734</td>
</tr>
<tr>
<td>100</td>
<td>1</td>
<td></td>
<td>‡a Camus, Albert, ‡d 1913-1960</td>
</tr>
<tr>
<td>400</td>
<td>1</td>
<td></td>
<td>‡a K‘a-mu, ‡d 1913-1960</td>
</tr>
<tr>
<td>400</td>
<td>1</td>
<td></td>
<td>‡a K‘a-miu, ‡d 1913-1960</td>
</tr>
<tr>
<td>400</td>
<td>1</td>
<td></td>
<td>‡a Chia-mou, ‡d 1913-1960</td>
</tr>
<tr>
<td>400</td>
<td>1</td>
<td></td>
<td>‡a Chia-miu, ‡d 1913-1960</td>
</tr>
<tr>
<td>400</td>
<td>1</td>
<td></td>
<td>‡a K‘a-miu, ‡d 1913-1960</td>
</tr>
<tr>
<td>400</td>
<td>0</td>
<td></td>
<td>‡a Alb‘ir K‘am‘i, ‡d 1913-1960</td>
</tr>
<tr>
<td>400</td>
<td>1</td>
<td></td>
<td>‡a K‘am‘i, Alb‘ir, ‡d 1913-1960</td>
</tr>
<tr>
<td>670</td>
<td></td>
<td></td>
<td>‡a His The stranger, 1946.</td>
</tr>
</tbody>
</table>

Each authority record will have a 1XX tag (e.g. names of persons will be tagged 100, names of organizations will be tagged 110, topical subject headings will be tagged 150, etc.). Most of the time, the 1XX field contains the authorized form of the heading (i.e. the form we should be using as an access point in our bibliographic records). Occasionally the 1XX contains a heading that is not authorized for use (e.g. a series-like phrase) and the record provides further instructions for the cataloger to follow.

Authority records may also have one or more 4XX tags containing variant forms of the authorized heading. These variant forms display as "see" references in the catalog and help direct users to the correct heading.
Authority records will sometimes have one or more 5XX tags. These contain headings that are somehow "related" to the authorized heading. These headings display as "see also" references in the catalog and help direct users to other headings that they may find useful.

Finally, authority records usually have one or more 670 tags. These contain citations to works consulted by catalogers when establishing headings and cross references. These citations do not display to the public but they can help staff determine whether they have found the correct authority record.

Other more specialized MARC tags do occur in authority records (e.g. most series authority records have 64X fields that detail classification, tracing, and analysis decisions) but the 1xx, 4xx, 5xx, and 670 tags are the most common ones.

**Effective Date:** March 3, 2014

### Searching for Authority Records

**QUESTION:** How do I search for authority records in Orbis?

Most staff will be using the Authorities Validation box to help them verify headings and find authority records. But authority records can also be searched "from scratch" using any of the following methods:

1) To search by Voyager ID #, select the menu commands "Record>Retrieve By Record ID>Authority"

2) To search by Library of Congress Control Number (LCCN), select the index called "Auth LCCN (010a)"

3) To search by former NOTIS ID #, select the index called "Auth System Number (035a)"

4) To search by a heading, select one of these four indexes:

   Staff Name Headings Search
   Staff Name/Title Headings Search
   Staff Title Headings Search
   Staff Subject Headings Search

Note: Other indexes (e.g. Title) will not retrieve authority records in Orbis! When you save a bibliographic record to the Orbis database and Voyager performs automatic Authorities Validation on the headings, the system is using these same indexes.

Pick the Staff Heading index that matches the type of heading you are searching. Type in your search string and click "Do Search". If your search retrieves results, a Headings List will appear. Example:
Look in the left-hand column. If you see the word "Authorized," that means the heading in question is authorized and can be used as an access point in a bib record. If you see the word "Reference," that means the heading is a cross reference form. In either case, you can click on the heading to highlight it:

and then click on the button marked "Authority" to actually retrieve the authority record and view the authorized heading.

If you do not find the desired authority record, you might try the search again using a different spelling or a shortened version of your search string.

**Last modified:** Tuesday, November 29, 2016 - 11:19am

**Selecting a Staff Heading Index**
QUESTION: Which Staff Heading index should I use?

In NOTIS, the "jx" and "fx" searches allowed us to search for authority records using a single index. In Voyager, we are forced to select an index based on heading type. There are four Staff Heading indexes in Orbis:

- Staff Name Headings Search
- Staff Name/Title Headings Search
- Staff Title Headings Search
- Staff Subject Headings Search

Let's look at each one in turn.

**Staff Name Headings Search**
Indexes the following types of authority records:

- personal names (e.g. "Stitt, Sonny")
- corporate names (e.g. "New York Public Library")
- conference names (e.g. "Conference on Aging")
- jurisdiction names (e.g. "Peru")

Words of Caution:

Personal names that are "only" valid for use as subject headings cannot be found using this index. Names of families are included in this category (e.g. "Borgia family"). Use the Staff Subject Headings Search to find authority records for names of families.

**Staff Name/Title Headings Search**
Indexes the following types of authority records:

- personal name/titles (e.g. "Joyce, James, 1882-1941. Ulysses. Italian")
- corporate name/titles(e.g. "Catholic Church. Book of hours")
- conference name/titles (e.g. "Congreso Obrero (1st : 1918 : Motul, Mexico). Tierra y libertad")
- jurisdiction name/titles (e.g. "France. Treaties, etc. Portugal, 1886 May 12")

Words of Caution:

Cross references for the name portions of name/title headings are not normally carried in the name/title authority record. Instead, they are found only in the authority record for the name by itself. Thus, if you search the Staff Name/Title index using an unauthorized form of name, you may not find any useful cross references to guide you to the record you want.

If you don't know the authorized form of name, a good search strategy is to first search the name portion of the heading in the Staff Name Headings index. Then, once you find the authorized name, you can use it to search the Staff Name/Title index with greater confidence.

Example:

If you search the Staff Name/Title index using "bach j s" you will not find a cross reference to a name-title heading beginning with "Bach, Johann Sebastian, 1685-1750." But, if you perform that same search in the Staff Name Headings index you will find the authorized form of the name is "Bach, Johann Sebastian, 1685-1750." Then, you can use this authorized form of name in the Staff Name/Title index to look for Bach name/title authority records.

**Staff Title Headings Search**
Indexes the following types of authority records:

- series uniform titles that do not have a name heading as the entry element (e.g. "Astronomy and astrophysics series")
- other uniform titles that do not have a name heading as the entry element (e.g. "King Kong (Motion picture : 1933")

Words of Caution:

It is not enough to simply look at a list of headings and see that a series authority record exists for a particular title. You need to actually open the series authority record to verify such things as whether the series is analyzed or not, traced or not, classed separately or together. Sometimes the record will even tell you that the title is to be transcribed in a note.

Staff Subject Headings Search
Indexes the following types of authority records:

- topical subject headings (e.g. "Paper airplanes")
- geographic headings that are not jurisdictions (e.g. "Red River Gorge (Ky.)")
- any heading with a subject subdivision (e.g. Lincoln, Abraham, 1809-1865--Books and reading")
- almost all other headings

Words of Caution:

Because most name, name/title, and title headings are valid for use as subject headings, authority records for most of these headings can be found using a Staff Subject Headings search. An important exception is headings for superseded names of jurisdictions. These headings are not valid for use as a subject because one is generally supposed to use the current name of a jurisdiction when assigning subject headings (e.g. the former name of "Haiti" is "Saint-Domingue"; "Saint-Domingue" may be used in a bib record as a main or added entry but not as a subject heading; thus, you can only find the authority record for "Saint-Domingue" in the Staff Name Heading index).

You might wonder how Voyager knows the difference. The system is reading one of the fixed fields in the authority record, namely the "Heading Use--Subject Added Entry" fixed field (008/15 in MARC21-speak). In the authority record for "Saint-Domingue" this value is "b" meaning "not appropriate for use as a subject added entry."

Last modified: Thursday, October 15, 2015 - 1:37pm

Searching for Subdivision Authority Records

Question: How do I search for subdivision authority records?

The "Staff Subject Subdivision Search" cannot be used to search for authority records in Orbis. The reason for this is simple: Orbis does not have any authority records for subdivisions.

You can consult the Subject Cataloging Manual in Cataloger's Desktop or the national authority file in OCLC. In OCLC, you can search using the index called "Subdivision Headings (sb:)". Subdivision authority records are NOT available via LC Web Authorities at this time.

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Selecting Non-Staff Heading Indexes (Names and Subjects)

Question: How do I use the non-Staff Heading indexes for names and subjects?

In previous tips, we talked about using the "Staff" searches in the Voyager catalog module (i.e. those indexes that have the word "Staff" at the beginning). You may remember that these are the only searches, other than number searches, that can be used to find authority records and cross references.

Starting with this month's tip, we'll be looking at some of the other heading indexes available in the Voyager catalog module. Although these indexes cannot be used to retrieve authority records, they can be very useful for authority work.

We'll discuss four indexes this month: Names, Local Subjects, Subjects, and Subjects: Genre/Form. Read on!

Names

Staff sometimes want to find *all* of the bib records that contain a particular name heading, no matter whether the name functions as an author or as a subject. In authority control work, this happens most frequently when doing heading maintenance and when doing research to create a name authority record. Voyager does not normally have an index that allows one to find all such bib records using a single search, so the Orbis2 Cataloging Implementation Group beefed up the "Names" index for this purpose. An Orbis "Names" search will find all the bib records that use a particular name heading as a main entry (1XX), added entry (7XX), series added entry (4XX or 8XX), or subject heading (6XX), including as a local Yale subject heading (69X).

More on these local subject headings next ...

Local Subjects

Yale catalogers, especially our special collections catalogers, assign a variety of local subject headings in Orbis. Because these headings, tagged 69X, are not retrievable using the Staff Heading indexes, the Orbis2 Cataloging Implementation Group created a special "Local Subjects" search that indexes all 69X headings. You can use this index to search for local subject headings such as "Incunabula in Yale Library," "World Christianity," or "Baskin, Leonard, $d 1922- $x Bookplate." The Group also included local subject headings in the "Names" and "Subjects" indexes to make these searches more comprehensive.

More on the "Subjects" index next ...

Subjects

The Voyager "Subjects" index was expanded by the Orbis2 Cataloging Implementation Group to encompass Library of Congress subject headings, MeSH subject headings, genre/form headings, and all of the various local subject headings assigned by Yale catalogers in the 69X fields. Other subject headings, such as foreign-language headings found on vendor records, are excluded in the "Subjects" search.

And finally...

Subject: Genre/Form

Although genre/form headings (655) are indexed in both the "Staff Subject Heading Search" and the "Subjects" search, you will sometimes want to search them in the separate index called "Subject: Genre/Form." For example, if you needed to clean up the genre heading "Calaveras" because it had changed to a new form of heading, you could use the "Subject: Genre/Form" index rather than one of the two broader subject indexes to avoid the many subject headings for "Calaveras County (Calif.)." Our old NOTIS system did not have a separate index for genre/form headings.

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Selecting Non-Staff Heading Indexes (Titles)

Question: How do I use the non-Staff Heading indexes for titles?

In last month's authority control tip, we talked about searching the Voyager catalog module using various "non-Staff Heading" indexes for names and subjects. In this month's tip, we'll look at the "non-Staff Heading" indexes for titles: Title, Journal Title, Series Title, and Series: Not Traced. Remember that you cannot retrieve any authority records or cross references with these searches (because they are not Staff Heading searches) but they can still be very useful.

Title

The "Title" search is a general all-purpose index that can be used to search many different kinds of titles. Most people use it to search for the title proper (245 field) but it can also be used to search for main and added entry uniform titles (130, 730), title portions of name-title headings (240, 7XX$t), variant titles (246, 740), and series titles (440, 8XX$t, 830).

However, you cannot use the "Title" index to find a title that has been used as a subject heading. Thus, if you want to find a work about Beowulf (as opposed to the actual text of Beowulf) you must use a subject search. If you are doing heading maintenance or NACO work in staff Orbis, you will often need to do two separate searches (both title and subject) to make sure that you find every bib record with a particular title heading.

Journal Title

The "Journal Title" search indexes the same fields as the "Title" search, but it only retrieves bib records that are coded as serials. The system looks at the values in the fixed fields to see if the record is a serial.

Series Title

The "Series Title" index limits your search to series title fields. It is especially useful to catalogers who create series authority records for NACO. The index searches the bib record 440 and 830 fields, as you would expect, but also the $t portion of 4XX and 8XX fields.

The series numbering ($v) is also indexed in this search. This allows you to search for a particular issue of a series. It also means that the series numbering will display in your list of search results. The Staff Title Heading index does not display series numbering. To see this for yourself, search the series "New perspectives in philosophical scholarship" using both a "Staff Title Headings Search" and the "Series Title" search.

Series: Not Traced

The "Series: Not Traced" index lets you search series that are coded 490-0 in bib records. Our old NOTIS system did not have this functionality. If you are doing series "cleanup" or establishing a series authority record for NACO, especially if it is an older series, you will probably want to search this index to see if any bib records that had the series coded as "untraced" should now be changed to "traced."

To try this for yourself, search the series "Studies in African history" using both the "Series Title" and the "Series: Not Traced" indexes. This series is supposed to be traced, according to its series authority record, and in the "Series Title" search results, you will indeed find about a dozen Orbis records that have this series traced. However, in the "Series: Not Traced" search results, you will find a handful of additional Orbis bib records that have the series coded 490-0 (not traced). These records can be corrected (to 440 or 490-1/830 as appropriate) and then all the books in this series can be retrieved using a single title search.
Order of Headings in Search Results

Question: How are headings organized in search results?

Voyager does not always do a very good job of organizing and displaying search results. It certainly does not follow the LC Filing Rules! The system simply files headings character by character according to some very basic rules: Nothing comes before something. Numbers come before letters. Letters are arranged in alphabetical order. MARC subfield codes are ignored.

This means that the heading you are trying to find might not be where you expect. Here are a couple of examples, one showing a typical Staff Name Heading Search and the other showing a typical Staff Subject Heading Search, but keep in mind that other search results will be organized in the same way.

Example 1: Staff Name Heading Search

A search on the heading "Smith John" might retrieve:

Smith, John
Smith, John, 1927-
Smith, John Albert
Smith, John, ca. 1735-1824
Smith, John Charles
Smith, John, d. 1684
Smith, John Day, 1845-1933
Smith, John F.
Smith, John, fl. 1794.
Smith, John Francis.

You might expect to find all the names in the form "Smith, John, [date]" to be filed together in one sequence, followed by all the names in the form "Smith, John [middle name]." But this does not always happen. Date fields in personal name headings sometimes include letters (b.=born, ca.=circa, d.=died, and fl.=flourished) and these letters file as if they were middle names or middle initials.

Example 2: Staff Subject Heading Search

Subject headings are also arranged in a strictly alphabetical way, but they can be even more confusing because dashes between subdivisions do not display. For example, a search on the topic "Paper" might retrieve:

Paper
Paper airplanes
Paper Analysis
Paper bags
Paper Bibliography
Paper clips
Paper England History

If the dashes actually displayed the list would look like this:

Paper
Paper airplanes
Paper--Analysis
Paper bags
Paper--Bibliography
Paper clips
Paper--England--History

But even if you manage to visualize the headings this way, the display is still not very intuitive. All of the subdivided forms of the topical heading "Paper" should file together at the beginning. Instead, they are interspersed with other
headings that just happen to begin with the word “Paper”.

Remember to keep the Voyager filing rules in mind when scanning your search results. The heading you want might be further down the list than you would expect. Sometimes you'll have to scroll!

[Jan. 2007 update: Starting with Voyager 6.1, dashes are now displayed before subdivisions in the "Staff Subject Heading" and "Staff Subject Subdivision" indexes but not in these indexes: "Special Collections Subject"; "Subject: Genre"; "Subjects"; and "Names"].

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### 010 Fields (LCCNs)

Question: What does an authority record’s 010 field contain?

The 010 field contains a number called the Library of Congress Control Number (LCCN). Each authority record distributed by the Library of Congress is assigned an LCCN. It provides a unique identifier that can be used by all systems. When our Systems Office loads authority records into Orbis, the LCCN serves as the match point for record overlays.

Although the Library of Congress is the distributor for these authority records, many of the records are actually created by catalogers at other libraries. These libraries contribute authority records to LC through the Name Authorities Cooperative Program (NACO). Yale is a participant in the NACO program.

NACO participants generally contribute authority records to LC using OCLC. If you look carefully at the LCCN in an authority record, you can identify where the record was originally created simply by looking at the number's alphabetic prefix:

- **n** = Library of Congress created the record
- **nr** = NACO participant created the record in RLIN
- **no** = NACO participant created the record in OCLC
- **nb** = NACO participant at the British Library created the record
- **sh** = Library of Congress subject heading

So, an authority record with an LCCN in the form "nb2003012487" means the record was contributed through NACO by the British Library. The next four digits mean the record was created in the year 2003.

Sometimes the 010 field will have two LCCNs, one in subfield $a and one in subfield $z. This means that at some point in the past, duplicate authority records were discovered and one of them was deleted. The LCCN from the deleted authority record was coded subfield $z and added to the LCCN of the authority record that was kept.

Finally, you will sometimes come across an authority record in Orbis WITHOUT an 010 field. This is a "locally created" authority record. Before the Library was a member of the NACO program, Yale catalogers only created authority records in our local catalog and did not share them with other libraries. These "locally-created" authority records will always have an 035 field containing a NOTIS system number that begins with the letter "Y".

As NACO catalogers encounter these locally-created authority records in Orbis, they are supposed to recreate them as NACO records and then delete the locally-created authority records. In time, we hope to eliminate all of the locally-created authority records that currently exist in Orbis.

Effective Date: Thursday, January 23, 2014
Last modified: Tuesday, November 29, 2016 - 11:17am
Undifferentiated Name Authority Records

Question: What is an Undifferentiated Name Authority Record?

Most personal name headings in authority records are unique. Each authority record represents a single person (or, in the case of pseudonyms, a single bibliographic identity). If two people happen to share the same name, then other information (such as birth and death dates) can be used to differentiate them.

However, sometimes two people with the same name cannot be distinguished. Their birth and death dates cannot be determined from reference sources and no other information can be found to break the conflict. In these cases, catalogers will generally create what is called an "undifferentiated personal name" authority record. The same record (and the same heading) will be used to represent more than one person in the catalog.

How can you recognize these records?

One way is to check the 008 fixed field called "undifferentiated personal name." If this field contains the letter "b," then the record is an undifferentiated personal name record.

However, a more immediate way of identifying such a record is by the distinctive pattern of its 670 fields. The 670 fields occur in pairs and each pair represents a different person or identity. The first 670 in each pair will contain a generic phrase such as "[Author of ....]" in square brackets. The second 670 will contain the title of the work associated with that person.

An example of an "undifferentiated personal name" authority record is shown below. As you can see, the first "Nigel Smith" is a physician. The second "Nigel Smith" is a journalist:
If a birth or death date is later found for an identity on this authority record, that identity will be taken off and a new record (with a unique heading) will be created for that person.

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Voyager Authority Validation Messages
1. **Heading Validated**

**Explanation:**

The "Heading Validated" message means that the heading in the bib record matches a heading in an authority record. The authority record heading is displayed in the "Near Heading" column.

**Note:** In the example above, the bib record heading has a final period but the authority record heading does not. This is not unusual. Older authority record headings will often have a final period; newer authority records will not. The presence or absence of a final period does not affect heading validation.

**Suggested Action:**

No action is generally needed. Simply click the "Continue" button if you want to continue saving the bib record to the database. Occasionally, you might want to click the "Retrieve auth" button to actually look at the authority record and verify that the matching heading is the right one. For example, if your bib heading has a very common name like "Brown, James" but the heading lacks dates, you might want to check the authority record to see if it represents the same person. Just because a bib heading matches an authority record does not mean it's the correct heading! If it isn't a correct match, you will want to click on the "Search" button to look for a different authority heading. The heading you need might be "Brown, James,$d1800-1855."

2. **Heading Validated - Cosmetic Differences**
Explanation:

The "Heading Validated - Cosmetic Differences" message means that the heading in the bib record matches a heading in an authority record, but not exactly. Examples:

**Difference in capitalization:**

<table>
<thead>
<tr>
<th>Heading</th>
<th>Tag(s)</th>
<th>Validation</th>
<th>Bib Heading</th>
<th>Near Heading</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subject</td>
<td>630</td>
<td>Heading Validated - Cosmetic Differences</td>
<td>‡a Cawain and the grene knight.</td>
<td>‡a Cawain and the Knight.</td>
</tr>
</tbody>
</table>

**Difference in diacritics:**

<table>
<thead>
<tr>
<th>Heading</th>
<th>Tag(s)</th>
<th>Validation</th>
<th>Bib Heading</th>
<th>Near Heading</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>100</td>
<td>Heading Validated - Cosmetic Differences</td>
<td>‡a Pele, ‡d 1940-</td>
<td>‡a Pele´, ‡d 1940-</td>
</tr>
</tbody>
</table>

**Difference in subfield values:**
### Suggested Action:

Differences involving capitalization or diacritics can usually be ignored because MARS will correct the headings. Simply click the "Continue" button to continue saving the bib record to the database.

Differences involving subfield values should usually be corrected because they are more difficult for MARS to fix.

However, keep in mind that many 100/240 tag combinations generating a "cosmetic differences" message are actually correct. For example, Flaubert name/title example (above), the bib record correctly splits the uniform title into two different fields (100 for name portion and 240 for title portion) but the authority record correctly carries the entire name/title heading in a single field. Thus, the title in the bib record starts with $a but the title in the authority record starts with $t. No correction is needed.
3. Partial Heading Validation

Explanation:

The "Partial Heading Validation" message means that the heading in the bib record is only a partial match to an authority record heading. The "Near Heading" column displays the authorized heading that the system has identified as a partial match (or the portion of the heading that is a partial match). Example:

The "Near Heading" is followed by a number in square brackets. This number refers to the total number of authorized headings (or cross references) in Orbis that begin with the "Near Heading" in the index for that particular heading type. In the example above, the "Military art and science" is followed by the number [15], meaning there are fifteen authorized headings (or cross references) in the Staff Subject Heading index that begin with the words "Military art and science".

You will encounter the "Partial Heading Validation" message most frequently when validating subject headings because many commonly-used subdivisions (such as "Biography" and "History") are "free-floating." These subdivisions can be added to any heading and an authority record for the entire string is not required.

Suggested Action:

Use judgment when you encounter the "Partial Heading Validation" message.

Although subject headings that contain "free-floating" subdivisions or geographic subdivisions will not usually require further action, some might. Example:
The main subject heading "Family life" is not a valid Library of Congress subject heading. The system has simply found a match to 6 authority records in Orbis that begin with the words "Family life." A valid LC subject heading for this concept would be "Family$zAfrica."

Name headings are very likely to require investigation and correction. Example:

The validation box tells us that although the heading "Franklin, Benjamin, $d 1819-1898" does not have an authority record in Orbis, it is a partial match to 5 authorized headings (or cross references) in Orbis that begin with the words "Franklin, Benjamin." One of these authorized headings could be the one needed in our bib record.

To investigate further, we simply click on the "Search" button. This will automatically perform a "browse" search on the bib record heading and we can look to see whether any of the other "Franklin, Benjamin" headings is the correct one for our bib record. As it turns out, our bib record heading had the wrong birthdate. We find a reference from "Franklin, Benjamin, $d 1818-1898" that leads us to the correct heading for the bib record: "Franklin, B. $q (Benjamin), $d 1818-1898."
Please note that the "Retrieve auth" button is grayed out whenever the "Partial Heading Validation" message is generated; you must click on "Search" to look for the authority record.

4. Nonexistent Heading

Explanation:

The "Nonexistent Heading" message means that the heading in the bibliographic record does not match any authority records in Orbis. No exact matches, no matches with cosmetic differences, no partial matches, nothing! The "Near Heading" column remains blank. Example:

Suggested Action:

Use judgment. If the heading is one that you are supposed to validate, you should investigate further. An authority record might need to be created for the heading through the NACO program. It so happens that the "Stropeni, Domenico" heading is not one that requires an authority record according to current Yale policy. However, a personal name heading with compound surnames would require an authority record to be created.

More information on which categories of headings require validation and/or authority record creation can be found in the Library's authority control workflow documents:

C&T Staff:
http://web.library.yale.edu/cataloging/authorities/ctworkflow [4]

Catalog Librarians:
http://web.library.yale.edu/cataloging/authorities/librariansworkflow [5]

Warning:

The "Nonexistent Heading" message does not necessarily mean that no authority record exists for the heading; it just means that the system has not found a match. There may be an authority record with the name in a different form in Orbis or you might find the authority record in LC Authorities [8] or OCLC.

Pay particular attention if you see the "Nonexistent Heading" message displayed next to a heading for a prolific author (or any person well-known enough that you suspect an authority record already exists for that person). You will probably want to investigate further.
This is especially true if the heading in your bib record has no dates or has only a surname followed by a forename initial. Why? Read on...

A "Nonexistent Heading" message is generated by the system whenever the bib record heading has no dates but the heading in the Orbis authority record has dates (provided there are no "other" authority records in Orbis that match the bib record heading). Example:

<table>
<thead>
<tr>
<th>Heading</th>
<th>Tag(s)</th>
<th>Validation</th>
<th>Bib Heading</th>
<th>Near Heading</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>100</td>
<td>Heading Validated</td>
<td>‡a Shakespeare, William, ‡d 1564-1616.</td>
<td>‡a Shakespeare, William, ‡d 1564-1616.</td>
</tr>
<tr>
<td>Subject</td>
<td>600</td>
<td>Nonexistent Heading</td>
<td>‡a Shakespeare, William.</td>
<td>‡a Shakespeare, William.</td>
</tr>
</tbody>
</table>

A "Nonexistent Heading" message is also generated by the system whenever the bib record heading has a surname plus forename initial but the Orbis authority record has the full forename (again, provided there are no "other" authority records in Orbis that match the bib record heading). Example:

<table>
<thead>
<tr>
<th>Heading</th>
<th>Tag(s)</th>
<th>Validation</th>
<th>Bib Heading</th>
<th>Near Heading</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>100</td>
<td>Heading Validated</td>
<td>‡a Coleman, Ornette.</td>
<td>‡a Coleman, Ornette.</td>
</tr>
<tr>
<td>Subject</td>
<td>600</td>
<td>Nonexistent Heading</td>
<td>‡a Coleman, O.</td>
<td>‡a Coleman, O.</td>
</tr>
</tbody>
</table>

In both of these examples, the heading in the 100 field validates but a shortened form of the same heading in the 600 field displays a "Nonexistent Heading" message. You might expect to see a "Partial Heading Validation" message in such situations, but Voyager does not generate such messages.
work that way.

Be on the lookout for these situations!

5. No Validation Performed

Explanation:

The "No Validation Performed" message means that the system has not performed any validation on the heading (or tag combination). This happens most commonly with 1XX/245 tag combinations in records that do not also contain 240 fields. Example:

<table>
<thead>
<tr>
<th>Heading</th>
<th>Tag(s)</th>
<th>Validation</th>
<th>Bib Heading</th>
<th>Near Heading</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>100</td>
<td>Heading</td>
<td>ジュラ・バッシュ，ウィリアム・R．</td>
<td>ジュラ・バッシュ，ウィリアム・R．</td>
</tr>
<tr>
<td>Name/Title</td>
<td>100/245</td>
<td>No Validation</td>
<td>ジュラ・バッシュ，ウィリアム・R．,</td>
<td>ジュラ・バッシュ，ウィリアム・R．</td>
</tr>
</tbody>
</table>

Suggested Action:

No action is generally required. If you suspect that the record needs a 240 uniform title (e.g. if the work is a translation of another work or a musical work), you may refer the record to a catalog librarian.

Warning:

There are some headings and tag combinations for which the system 1) does not perform validation and 2) does not generate a "No Validation Performed" message. These fields do not appear in the validation box. The 490, 656, and 69X fields are examples of disregarded headings. The 1XX/245 is disregarded if the record contains a 240 field. Not surprisingly, tags that contain fields not under authority control are also ignored (e.g. 222, 246, 260, 653).

All cataloging staff are supposed to validate series, so pay particular attention to any 490 fields present in your record. They will not appear in the validation box. Look carefully at the 490 field's first indicator. If the 490 first indicator is "1", then the record should have an 8XX. The 8XX is what you validate (it will appear in the validation box). HOWEVER, if the 490 first indicator is "0" (meaning untraced), you remember to search for a series authority record independently of the validation box. The authority record will tell you if the series is supposed to be traced or not. If there is no authority record, you should refer the record to a catalog librarian.

Catalogers who assign 656 and 69X headings must also remember to validate them independently of the validation box.

6. See Reference
Explanations:

The "See Reference" message means that the heading in the bib record matches a "see reference" in an authority record. The matching "see reference" is displayed in the "Near Heading" column. Example:

<table>
<thead>
<tr>
<th>Heading</th>
<th>Tag(s)</th>
<th>Validation</th>
<th>Bib Heading</th>
<th>Near Heading</th>
</tr>
</thead>
<tbody>
<tr>
<td>Title</td>
<td>440</td>
<td>See Reference</td>
<td>🆕 a Serie Paralelos (Valparaiso, Chile)</td>
<td>🆕 a Serie Paralelos (Valparaiso, Chile)</td>
</tr>
<tr>
<td>Subject</td>
<td>650</td>
<td>Heading Validated</td>
<td>🆕 a Short stories, Chilean.</td>
<td>🆕 a Short stories, Chilean.</td>
</tr>
<tr>
<td>Subject</td>
<td>650</td>
<td>Heading Validated</td>
<td>🆕 a Chilean fiction 20th century.</td>
<td>🆕 a Chilean fiction 20th century.</td>
</tr>
</tbody>
</table>

If you click the "Retrieve auth" button and look at the authority record, you will find the "see reference" in a 430 field. The correct heading in the 130 field is "Paralelos (Valparaiso, Chile)" which means that we need to change the 440 in your bib record to add the authorized series heading as an 830 field.

Suggested Action:

Whenever you encounter a "See Reference" message, always check the authority record to make sure that the match is correct. It is possible that the heading in your bib record and the "see reference" in the authority record do not represent the same person, corporate body, or series. Many people have the same name and many series have the same title. Information in the 670 fields or the 643 field can help with this identification process.

If you determine that the authority record IS appropriate to your bib record, you may correct your bib record heading to the authorized form or let the MARS authorities service fix it, whichever you prefer.

Warning:

If you determine that the authority record is NOT appropriate to your bib record, or if you are unsure, then you should investigate to find the right authority record or show the heading to a catalog librarian. Do not send the bib record to MARS as is! The "see reference" will cause MARS to make an incorrect heading flip.

7. See Also Reference

Explanations:

The "See Also Reference" message means that the heading in the bib record matches a "see also reference" in an authority record. The matching reference is displayed in the "Near Heading" column. Example:
If you click the "Retrieve auth" button and look at the authority record, you will find the "see also reference" in a 500 field:

In this case we have an author named Wilbur Braun who also writes books under various pseudonyms, including the one used in our book, Bruce Brandon. Each pseudonym is coded 500 (meaning it generates a "see also" cross reference in the catalog).

Headings in 5XX fields are valid headings and each one actually has its own authority record in the national authority file. So an authority record for "Brandon, Bruce, 1896-" does exist. The problem is that the authority record is not in Orbis yet. That is why we are getting the "See Also Reference" message rather than the "Heading Validated" message.

Suggested Action:

Whenever you encounter a "See Also Reference" message, you may generally ignore it. Once your bibliographic record goes through MARS processing, we will be sent the authority record that is missing in Orbis.
8. Earlier Heading

Explanation:

The "Earlier Heading" message means that the heading in the bib record matches a "see also reference" in an authority record. Specifically, the "see also reference" is in the authority record for an *earlier* form of that same heading. The reference is displayed in the Near Heading column. Example:

If you click the "Retrieve auth" button and look at the authority record, you will see that the earlier form of heading (Dallas-Fort Worth Regional Airport) is coded 110 and the later form of heading (Dallas-Fort Worth International Airport) is coded as a 510 "see also reference".

The presence of the "$w b" before the 510 reference is what identifies it as a later form of heading. In this case the airport changed its name...
in 1986 when it went from being a regional to an international airport.

Headings in 5XX fields are valid headings. Each 5XX heading actually has its own authority record in the national authority file. An authority record for "Dallas-Fort Worth International Airport" does exist. The problem is that the authority record is not in Orbis yet. That is why we are getting the "Earlier Heading" message rather than the "Heading Validated" message.

**Suggested Action:**

Whenever you encounter an "Earlier Heading" message, you may generally ignore it. Once your bib record goes through MARS processing, we will be sent the authority record that is missing in Orbis and then the "Heading Validated" message will replace the "Earlier Heading" message when the heading in the bib record is validated.

More Validation Messages to Come...

Comments to Rick Sarcia [14]
Last revised: 24 September 2007

**Last modified:** Wednesday, November 22, 2017 - 12:20pm

### Miscellaneous

[Checklist for Voyager Authorities Testing](#)
[Staff Heading Keyword Searching](#)

**Effective Date:** March 3, 2014

### MARS

[Backstage Library Works](#)
[MARS Reports](#)
[MARS Processing of 6XX Fields](#)
[MARS Processing of Records for Electronic Resources](#)
[Brief History of Automated Authority Control at Yale](#)

Last revised: 12 September 2007

For information on other Yale cataloging policies and procedures, go to: [Cataloging at Yale](#)

### NACO

[NACO at Yale](#)

[NACO Coordinator Responsibilities](#)
[Authority Control Workflow for Yale Catalog Librarians](#)
[Authority Control Workflow for Yale C&T Staff](#)
Identifying, Choosing, and Recording Preferred and Variant Names for Persons (RDA 9.0-9.2) [25]

NACO at Beinecke [26]

NACO Training at Yale [27]

Policies for NACO Independence [28]

Policies for Name Authority Records [29]

Policies for Series Authority Records [30]

Document originally created by the Authority Control Advisory Committee; revised and maintained by the Authorities & Identities Advisory Group.

Comments to: Tachtorn Meier [31]

For information on other Yale cataloging policies and procedures, go to: Cataloging at Yale [21].

Last modified: Tuesday, November 21, 2023 - 10:49am

NACO Links Beyond Yale

LC NACO Resources

Ambiguous Entries: Name vs. Subject [32]

Extended Date/Time Format (EDTF) Specification [33]

MARC21 Format for Authority Data [34]

NACO Home Page [35]


Normalization Rules [37]

RDA in MARC for Authority Fields [38]

Reporting BFM [39]

Source Codes for Vocabularies, Rules, and Schemes [40]

Other NACO Resources

Gary Strawn's Authority Toolkit [41]

IFLA's Names of Persons: National Usages for Entry in Catalogues [42]

OCLC's About Creating Authority Records [43]

VIAF - Virtual International Authority File [44] (with links to national authority files)
SACO

SACO + Subject Headings at Yale

SACO Coordinator Responsibilities [46]
SACO Workflow [47]
Special Collections Subject Headings (69X) [48]
Subfield $v Implementation [49]

Comments to: Cate Kellet [50]
For information on other Yale cataloging policies and procedures, go to: Cataloging at Yale [21]

Last modified: Thursday, October 5, 2023 - 1:59pm

SACO at LC

SACO + Subjects

SACO Home Page / Library of Congress [51]
SACO Participants' Manual (2nd ed.) [52]
FAQ: SACO Proposals [53]
SACOLIST Home Page [searchable archive] [54]
Web Resources for SACO Proposals [55]
Ambiguous Entries: Name vs. Subject [32]
LC Monthly Lists of Subjects [56]
Tutorial on Searching SCM:SH in Cataloger's Desktop [57]
LC Report: LCSH: Pre- vs. Post-Coordination and Related Issues [58]

SACO Proposal Forms (LC)

Proposing New Headings : Guidelines [59]
Proposing New Headings : Minaret Main Menu [60]
Proposing Updates : Guidelines [61]
Proposing Updates : Web Form [62]

SACO Classification Proposal Forms
FAST (Faceted Application of Subject Terminology)

Background

*FAST (Faceted Application of Subject Terminology) is a fully enumerative faceted subject heading schema derived from the Library of Congress Subject Headings (LCSH), a widely-used subject-access vocabulary published and maintained by the Library of Congress. The development of FAST has been a collaboration of OCLC and the Library of Congress with advice from members of the ALCTS/SAC/Subcommittee on FAST.

Beginning in September 2013, OCLC is systematically adding FAS headings to WorldCat bibliographic records. The records affected will already have LCSH assigned, and the routines will be applied only to records that are attributed as being English-language-of-cataloging.

For more information about FAST, click here.

*source: https://oclc.org/news/announcements/2013/enriching-worldcat-with-fast.en...

YUL Local Workflow on FAST Headings

We get the FAST Headings via record loads from vendors and/or records imported from OCLC. FAST Headings can be in the form of 600 (personal names), 610 (corporate name), 611 (events), 630 (titles), 648 (chronological), 650(topics), 651(geographic name) and 655 (form/genre). All FAST Headings would have second indicator "7" with "?2 fast" and "?0 (OCoLC)fst"

REMEMBER that we will continue to retain the Library of Congress Subject Heading (6xx _0), the Medical Subject Headings (6xx _2), and Form/Genre (655 _7 ?2 lcgtf (or ?2 lctgm).

Example of FAST Headings from WorldCat #818953763

- 600 17 Obama, Barack. ?2 fast ?0 (OCoLC)fst00348231
- 600 17 Romney, Mitt. ?2 fast ?0 (OCoLC)fst00355923
- 650 7 Presidential candidates. ?2 fast ?0 (OCoLC)fst01075708
- 650 7 Presidents ?x Election. ?2 fast ?0 (OCoLC)fst01075747
- 651 7 United States. ?2 fast ?0 (OCoLC)fst01204155
- 648 7 2012 ?2 fast

The SACO Coordinating Committee and the Catalog Coordinating Council (CCC) have approved to:

- Retain all FAST headings in the bibliographic record. Do Not Delete!!!
- Do not manually add FAST Headings in the bibliographic record. It is OK to overlay Voyager records with OCLC records that have been enhanced with FAST headings.

The Backstage Library Works Automation Service, our vendor for MARS processing, also retains FAST Headings in our bibliographic records, as per our profile.
MARC 21

1. MARC21 Home Page / Library of Congress [68]
2. MARC21 Concise Format for Authority Data [69]
3. MARC21 Format for Authority Data: Field List [70]
4. Understanding MARC Authority Records [71]
5. MARC21 Authorities Tutorial [72]
6. LC DCM Z1 (yellow pages) [73]
7. LC Supplement to Authority Format (blue pages) [74]
8. 7XX Fields in Authority Records [75]
9. 781 Field in Authority Records [76]
10. Authority Data Elements Implementation (1999) [77]
11. Indicator 1 = 1 for Compound Surnames [78]
12. Metadata Authority Description Schema (MADS) [79]
13. MARC 21 Encoding to Accommodate new RDA Elements [80]

OCLC

Yale OCLC

Download Keypad Map for Diacritics [81]
Diagram of Keypad Map for Diacritics [82]
Set Default Constant Data Record for Series [83]
Apply Default Constant Data Record for Series [84]

OCLC

OCLC System Alerts [85]
OCLC Authorities Formats and Indexes [86]
OCLC Authorities Format Tag Chart [87]
Connexion: List of Authorities Documentation [88]
Connexion: How to Search the Authority Files [89] (web page)
Connexion: How to Search the Authority Files [90] (tutorial)
Connexion: List of Tutorials [91]
Connexion: Known Problems [92]
Connexion: Authorities Migration [93] (ppt)
Connexion: How to Use Authority Control For Bibliographic Records [94]
OCLC Terminologies Service [95]
Closed Dates in Authority Records [96]

For information on other Yale cataloging policies and procedures, go to: Cataloging at Yale [21]

Last modified: Thursday, February 22, 2018 - 3:19pm
Biographical Resources

- Standard Biographical Resources in the Yale Stacks [97] (Yale site)
- Pre-1800 European Book Trade Personnel [98] (Yale site)
- World Biographical Information System [99]
- Biography Reference Center [100]
- Oxford Dictionary of National Biography [101]
- American National Biography [102]
- Gale Literary Index [103]
- Authority Tools for Audiovisual & Music Catalogers [104]
- Oxford Music Online [105] (includes Grove)
- Oxford Art Online [106] (includes Grove)
- Getty Union List of Artists' Names [107]
- Avery Index to Architectural Periodicals [108] (for architects' obituaries)
- American Friend Obituary Index [109]
- Newspaper Obituaries [110]
- Biographical Dictionary of the U.S. Congress [111]
- Biographical Directory of Federal Judges [112]
- UMI Dissertation Express [113]
- Social Security Death Index [114]
- Index to the Neue Deutsche Biographie & the Allgemeine Deutsche Biographie [115]
- Dictionary of Canadian Biography Online [116]
- Dictionary of New Zealand Biography [117]
- Virtual International Authority File (VIAF) [11]
- Personal Names and Naming from an Anthropological-Linguistic Perspective [118] by Ndlovu Sambulo (e-book)

For information on other Yale cataloging policies and procedures, go to: Cataloging at Yale [21]

Last modified: Tuesday, September 12, 2023 - 11:18am

Geographical Resources

- Establishing Geographic Names [119] (Yale site)
- Geographic Names & the Web [120] (PSD)
- Geographic Names Information System (GNIS) [121]
- GEOnet Names Server [122]
- RBMS Latin Place Names File [123]
- Getty Thesaurus of Geographic Names [124]
- Canadian Geographic Names [125]
- Gazetteer of British Place Names [126]
- UK Ordnance Survey [127]
- Columbia Gazetteer of the World Online [128]
- Geoscience Australia Gazetteer of Australia [129]
- New Zealand Geographic Placenames Database [130]
- Hong Kong [131]
- Slavic and East European Place Names [132]

For information on other Yale cataloging policies and procedures, go to: Cataloging at Yale [21]

Last modified: Thursday, September 24, 2020 - 11:34am

Miscellaneous
IFLA

Functional Requirements for Authority Data (draft) [133]
IFLA Working Group on Minimal Level Authority Records [134]
IFLA Guidelines for Authority Records & References [135]
IFLA Data Elements for Internationally Shared Authorities [134]

Miscellaneous

Library and Archives Canada OPAC [136] (consult DCMZ1 "Appendix for Canadian Headings")
MeSH and Other NLM Authority Records [137]
MeSH Home Page [138]
Rameau and Other BNdF Authority Records [139]
Abbreviations in Corporate Names [140]
CERL Thesaurus [141]
Canned Orbis Subject Search on "Authority files (Information retrieval)" [142]
...

For information on other Yale cataloging policies and procedures, go to: Cataloging at Yale [21]

Last modified: Thursday, February 22, 2018 - 1:56pm

Archives

AACR2

AACR2 2002 Kuhagen Presentation [143]
AACR2 2005 Update [144]
AACR2 2004 Update [145]
AACR2 2002 Amendments [146]
AACR2 2001 Amendments [147]
AACR2 1999 Amendments [148]
LCRI 1.0 [149]
LCRI 22.B1 (Commonly Known Name) [150]
LCRI 22.1, etc. (AACR2-Compatible Headings) [151]
LCRI 22.2 (Composers + Performers) [152]
LCRI for Appendix B [153]
Proposed Changes to LCRI for Cross References [154]

MARS

MARS Quality Assurance Tasting at Yale

Results of QA of Voyager Test Records (Mar 2005) [155]
Results of QA of Voyager Test Records (Feb 2003) [156]
Results of QA of Basefile2 Records (Nov 2001) [157]
Results of QA of CJK Recon Records (Nov 2001) [158]
Results of QA of Recon Records (Aug 2001) [159]
Voyager

Voyager Indexing Tables (Draft Documents from 2002 Migration - not necessarily current)

Non-Keyword Staff Searches (Word version) [160]
Non-Keyword Staff Searches (HTML version) [161]
Non-Keyword Staff Search Configurations (Word version) [162]

Effective Date: March 3, 2014

Authority Control Advisory Committee

Authority Control Advisory Committee

Charge | Members | Meeting Time

This activity is now closed. The information on this page is provided for historical purposes only.

Charge

The Authority Control Advisory Committee (ACAC) will assist and advise the Chief Cataloging Librarian and the Authority Control Librarian in all matters pertaining to the maintenance of authority control in the Orbis catalog, including the implementation and management of vended approaches to our authority control needs. Members will:

- review local policies and procedures pertaining to authority control;
- recommend changes to those policies and procedures as necessary;
- create supporting documentation for those policies and procedures;
- keep current with national developments relating to authority control;
- promote and monitor adherence to local and national authority control policies and procedures;
- develop training sessions for staff on authority control topics;
- develop profiles for authority control processing by outside vendors; and
- design and implement quality assurance (QA) procedures for monitoring vendor processing.

The Committee will report to the Cataloging Coordinating Council. Terms of appointment will be two years, with options for renewal. Terms will generally start on Aug. 1 and appointments will be staggered so that no more than half of the membership turns over each year. Representation from the following units is recommended: Integrated Systems and Programming Group (Integrated Library Technology Services); NACO Coordinating Committee; Arts & Sciences Team or History & Social Science Team (SML Catalog Department); and a school or departmental library. Additionally, the Committee should consult with the Acquisitions Department on issues that affect Fastcat processing.


Members

Jerry Anne Dickel (2003-2007)
Ellen Ellickson  (1999-2008)
Tachtorn Meier (2006-2008)
Jenn Nolte (2005-2007)
Rick Sarcia (2001-2007)
Michael Scott (2005-2007)
Eileen Smith (2004-2008)
Steven Arakawa (1999-2001)
Paula Ball (1999-2000)
Martha Conway (co-chair, 2000-2001)
David Faulds (2001)
Eric Friede (2002-2006)
Marsha Garman (2002-2005)
Maria Hunenko (2002-2004)
Robert Killheffer (1999-2001)
Xinkai Kong (2001-2002)
Mickey Koth (1999-2001)
Cécile Mandour (1999-2002)
Rebecca Mugridge (chair, 1999-2000)
Earl Roy (2001-2005)
Diana Smith (1999-2001)
Susan Tucker (2002-2005)
Christina Tabereaux (2003-2004)

Meeting Time
The committee generally meets on the third Tuesday of every month from 9-10:30 am in SML 411.
Authority Control
Published on Yale University Library (https://web.library.yale.edu)

Source URL: https://web.library.yale.edu/cataloging/authorities

Links
http://lcweb.loc.gov/catdir/cpso/locrixref.html [155] https://collaborate.library.yale.edu/cpdc/PDF%20files/Authority%20Control%20at%20Yale/NACO%20Archives/MARS%20at%20Backstage%20Results%20of%20QA%20of%20Voyager%20Test%20Records.html [156] https://collaborate.library.yale.edu/cpdc/PDF%20files/Authority%20Control%20at%20Yale/NACO%20Archives/MARS%20Implementation%20Results%20of%20QA%20of%20Voyager%20Test%20Records.html [157] https://collaborate.library.yale.edu/cpdc/PDF%20files/Authority%20Control%20at%20Yale/NACO%20Archives/Results%20of%20Basefile2%20QA.html [158] https://collaborate.library.yale.edu/cpdc/PDF%20files/Authority%20Control%20at%20Yale/NACO%20Archives/CJK%20Recon%20QA.html [159] https://collaborate.library.yale.edu/cpdc/PDF%20files/Authority%20Control%20at%20Yale/NACO%20Archives/Results%20of%20Basefile2%20QA.html [160] https://collaborate.library.yale.edu/cpdc/PDF%20files/Authority%20Control%20at%20Yale/NACO%20Archives/UsedNonkeyw1%20(1).doc [162] https://collaborate.library.yale.edu/cpdc/PDF%20files/Authority%20Control%20at%20Yale/NACO%20Archives/UsedNonkeyw1%20(1).doc [162] https://collaborate.library.yale.edu/cpdc/PDF%20files/Authority%20Control%20at%20Yale/NACO%20Archives/UsedNonkeyw1%20(1).doc [162] https://collaborate.library.yale.edu/cpdc/PDF%20files/Authority%20Control%20at%20Yale/NACO%20Archives/UsedNonkeyw1%20(1).doc [162]