

Authorities: Boston to Iowa

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&
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NAAUG

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Does your web opac suffer from the Sin/China syndrome?

When your patrons look up ALA to find items by the American Library Association, do they find only the American Lung Association?

Does your system confuse Chess
(the game) with Chess, Henry L.,
(the person)?

Does it think that Anger is the same
subject heading as Insanity?

If so, then your system is suffering from the heartbreak of **display** problems and **tag** problems!

While frustrating, this does not need to be fatal!

Remember this??

We got

BINGHAMTON UNIVERSITY State University of New York
BearCat: BU Libraries Catalog

Settings	Help	Basket	Clear History	Change BearCat Database	Sign-in
Basic Search	Advanced Search	Results	History	Binghamton Univ	Exit

Browse an Alphabetical Index

[Back](#)

Type word or phrase:

Select index to browse:

[Go](#) or [Clear](#)

Browse List: Subjects (all)

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No. of Recs	Entry
	Moch, Jules Salvador, 1893- - [LC Authority Record]
1	Moch, Jules Salvador -- Atlantic Coast (North America) -- Geographical distribution.
1	Moch, Jules Salvador -- Habitat -- Atlantic Coast (North America).
1	Moch, Jules Salvador -- Larvae -- Atlantic Coast (North America).
1	Moch, Jules Salvador -- Life cycles -- Atlantic Coast (North America).

Display Problem 1

Display problems occur due to the way Aleph gathers and displays authority records. Aleph shows one authority record per heading – but sometimes it doesn't make the best choice.

The very best of Aleph libraries have this problem.

[Advanced](#)
[Search](#)

Search for:

[Journals](#)[Conferences](#)[MIT Theses](#)
[Course](#)
[Reserves](#)

Order forms:

- [RetroSpective Collection \(RSC\)](#)
- [Interlibrary Borrowing](#)
- [BookPage](#)
- [Suggested Purchase](#)
- [Copy](#)

Alphabetical Index: Subject browse
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# of titles	Entry
	Simultaneousness. - [LC Authority Record] See: Coincidence.
7	Sin. - [LC Authority Record]
1	Sin (Computer program)
1	Sin – Early works to 1800.
	Sin, Forgiveness of. - [LC Authority Record] See: Forgiveness of sin.
2	Sin – History of doctrines.
2	Sin in literature. - [LC Authority Record]
	Sin, Ki-jil 1140-1207. - [LC Authority Record] See: Xin, Qiji 1140-1207.
	Sin', Lu 1881-1936. - [LC Authority Record] See: Lu, Xun 1881-1936.
5	Sin, Original. - [LC Authority Record]

The results of the subject heading browse search for "Sin" result in 7 records about sin, as in the moral theology.

However when you open the corresponding "LC Authority Record", what you see is

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- Search for:
- [Journals](#)
- [Conferences](#)
- [MIT Theses](#)
- [Course Reserves](#)

- Order forms:
- [RetroSpective Collection \(RSC\)](#)
- [Interlibrary Borrowing](#)
- [BookPage](#)
- [Suggested Purchase](#)
- [Copy](#)

- [\[LC Authority Record\]](#)
See: [Coincidence.](#)
- 7 [Sin.](#)
- [\[LC Authority Record\]](#)
- 1 [Sin \(Computer program\)](#)
- 1 [Sin – Early works to 1800.](#)
- Sin, Forgiveness of.
- [\[LC Authority Record\]](#)
See: [Forgiveness of sin.](#)
- 2 [Sin – History of doctrines.](#)
- 2 [Sin in literature.](#)
- [\[LC Authority Record\]](#)
- Sin, Ki-jil 1140-1207.
- [\[LC Authority Record\]](#)
See: [Xin, Qiji 1140-1207.](#)
- Sin', Lu 1881-1936.
- [\[LC Authority Record\]](#)
See: Lu, Xun 1881-1936.
- 5 [Sin, Original.](#)
- [\[LC Authority Record\]](#)

Full Catalog - Reference - List - Microsoft Internet Explorer

Full Catalog - Cross-references - Subject browse - Sin

Click on an underlined tag to see a Browse List.

<i>Sys. no.</i>	000012451	
<i>Heading</i>	China	China
<i>Seen from</i>	Cina	
<i>Seen from</i>	Kinë	
<i>Seen from</i>	Cathay	
<i>Seen from</i>	Chinese National Government	
<i>Seen from</i>	Chung-kuo kuo min cheng fu	
<i>Seen from</i>	Republic of China (1912-1949)	Why??
<i>Seen from</i>	Kuo min cheng fu (China : 1912-1949)	

Full Catalog - Cross-references - Subject browse - Sin

Click on an underlined tag to see a Browse List.

<u>Sys. no.</u>	000012451
<u>Heading</u>	China
<u>Seen from</u>	Cina
<u>Seen from</u>	Kinë
<u>Seen from</u>	Cathay
<u>Seen from</u>	Chinese National Government
<u>Seen from</u>	Chung-kuo kuo min cheng fu
<u>Seen from</u>	Republic of China (1912-1949)
<u>Seen from</u>	Kuo min cheng fu (China : 1912-1949)
<u>Seen from</u>	Chung-hua min kuo (1912-1949)
<u>Seen from</u>	Kina
<u>Seen from</u>	National Government (1912-1949)
<u>Seen from</u>	China (Republic : 1912-1949)
<u>Seen from</u>	People's Republic of China
<u>Seen from</u>	Chinese People's Republic
<u>Seen from</u>	Chung-hua jen min kung ho kuo
<u>Seen from</u>	Central People's Government of Communist China
<u>Seen from</u>	Chung yang jen min cheng fu
<u>Seen from</u>	Chung-hua chung yang jen min kung ho kuo
<u>Seen from</u>	Central Government of the People's Republic of China
<u>Seen from</u>	Zhonghua Renmin Gongheguo
<u>Seen from</u>	Zhong hua ren min gong he guo
<u>Seen from</u>	KitaïskaiĀa NarodnaiĀa Respublika
<u>Seen from</u>	ĀinskĀ lidovĀ republika
<u>Seen from</u>	RRT
<u>Seen from</u>	Republik Rakjat Tionggok
<u>Seen from</u>	KNR
<u>Seen from</u>	KytaïskĀa Narodna Respublika
<u>Seen from</u>	Jumhūriyat al-Āin al-ShaĀbiyah
<u>Seen from</u>	RRC
<u>Seen from</u>	Kitaï
<u>Seen from</u>	KĀnai NĉpkĉztĀrsasĀg
<u>Seen from</u>	Chūka Jinmin Kyōwakoku
<u>Seen from</u>	Erets Sin
<u>Seen from</u>	Sin
<u>Seen from</u>	SĀthĀranĀrat PrachĀchon ĀĀin

**The authority record for "China"!!
Note the "Seen from" entry for Sin near the bottom of the record.**

The authority record that appears is for “China” rather than for the subject heading “Sin” because (according to ExLibris) the record for “China” was loaded into the system before the record for “Sin”. When Aleph looks for an authority record, the first match it finds, regardless if the heading is in a 1xx or a 4xx field is the one it will display in the OPAC.

Display Problem 2

A second type of display problem occurs when a browse search leads to multiple choices. This happens frequently with initials or acronyms. When a patron uses initials in a browse search, the authority heading they see is the first one the system finds. For example, an author search for “ALA” will bring up:

Browse List from UI Libraries Catalog

Search for:

Search

Select search type:

Browse List: Authors

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No. of Recs Entry

A.L.A. - [\[LC Authority Record\]](#)

See: [Association of Legal Administrators.](#)

ALA. - [\[LC Authority Record\]](#)

See: [Association of Legal Administrators.](#)

In Iowa's catalog, the ALA search brings up the authority for "Association of Legal Administrators".

1 [Āla Ājāda, Ālauddina. - \[LC Authority Record\]](#)

A.L.A. Archives and Libraries Committee. - [\[LC Authority Record\]](#)

See: [American Library Association. Committee on Archives and Libraries](#)

ALA Archives and Libraries Committee. - [\[LC Authority Record\]](#)

See: [American Library Association. Committee on Archives and Libraries](#)

Ala At Din Atmalik Jūveyini, 1226-1283. - [\[LC Authority Record\]](#)

See: [Juvaynī, 'Alā' al-Dīn 'Atā Malik, 1226-1283.](#)

1 [A.L.A. Bibliotherapy workshop, St. Louis, June 25-27, 1964.](#)

1 [ALA Black Caucus. - \[LC Authority Record\]](#)

A.L.A. Committee on Archives and Libraries. - [\[LC Authority Record\]](#)

See: [American Library Association. Committee on Archives and Libraries](#)

ALA Committee on Archives and Libraries. - [\[LC Authority Record\]](#)

See: [American Library Association. Committee on Archives and Libraries](#)

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Browse List: Author

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No. of Recs	Entry
	ALA. - [LC Authority Record] See: American Lung Association.
	A.L.A. - [LC Authority Record] See: Automobile Legal Association.
1	ALA Black Caucus. - [LC Authority Record]
	A.L.A. Committee on Public Documents. - [LC Authority Record] See: American Library Association. Committee on Public Documents
	ALA Committee on Public Documents. - [LC Authority Record] See: American Library Association. Committee on Public Documents
1	Ala-Harja, Marjukka.
	ALA Intellectual Freedom Committee. - [LC Authority Record] See: American Library Association. Committee on Intellectual Freedom
	ALA Library Research Round Table. - [LC Authority Record] See: American Library Association. Library Research Round Table
	A.L.A. Public Documents Committee. - [LC Authority Record] See: American Library Association. Committee on Public Documents
	ALA Public Documents Committee. - [LC Authority Record] See: American Library Association. Committee on Public Documents

Binghamton gets the American Lung Association ...

No. of Recs	Entry	Sorted Index
2	Al-Zwaini, Laila - [Heading Information]	Sorted Index
	ALA - [Heading Information] See: American Library Association	
	Ala, A. Stefanucci (Antonio Stefanucci) - [Heading Information] See: Stefanucci Ala, A. (Antonio)	
1	'Alā', Afshīn.	
1	'Alā' al-Dawlah Samnānī, Ahmad ibn Muhammad, 1261-1336.	
	'Alā' al-Dawlah Simnānī, 1261-1336 - [Heading Information] See: Simnānī, Ahmad ibn Muhammad, 1261-1336.	
	'Ala al-Din. - [Heading Information] See: Aladdin.	
1	Ala' al-Din, Abd al-Latif.	
	'Alā' al-Dīn Abū al-Hasan al-Ba'fī - [Heading Information] See: Ba'fī, 'Alī ibn Muhammad.	
	'Alā' al-Dīn Abū al-Hasan al-Ba'fī al-Dimashqī - [Heading Information] See: Ba'fī, 'Alī ibn Muhammad.	

**And Harvard gets the
American Library
Association...**

How should it look? The system should display all of the possible choices:

ALA

See:

African Literature Association

American Latvian Association

American Library Association

American Lung Association

Automobile Legal Association

Tag related problem 1

Ambiguous headings – those headings that have the same 4xx in more than one record but within the same family (i.e. topical heading, personal name, uniform title)

For example, the term “madness” is found as a 4xx topical heading in 3 of our records. 2 of the options are:

<i>Leader</i>	<u>LD</u>		00906cz^^^2200217n^^4500
<i>Update</i>	<u>UPD</u>	<u>a</u>	N
<i>Control No.</i>	<u>001</u>		BIN10-000659996
<i>Date and time</i>	<u>005</u>		20030526204131.0
<i>Fixed Data</i>	<u>008</u>		860211i ^anannbab ^ b^ana^ ^ ^
<i>LC Control No.</i>	<u>010</u>	<u>a</u>	sh 85066558^
<i>System No.</i>	<u>035</u>	<u>9</u>	<u>a</u> AFU4646
		<u>b</u>	SB
<i>Catalog Source</i>	<u>040</u>	<u>a</u>	DLC
		<u>c</u>	DLC
		<u>d</u>	DLC
<i>LC Class. No.</i>	<u>053</u>	<u>a</u>	HV4977
		<u>c</u>	Insanity and degeneration
<i>LC Class. No.</i>	<u>053</u>	<u>a</u>	HV6133
		<u>c</u>	Insanity and crime
<i>Topical Term</i>	<u>150</u>	<u>a</u>	Insanity
<i>See.Trac.Topic</i>	<u>450</u>	<u>a</u>	Lunacy
<i>See.Trac.Topic</i>	<u>450</u>	<u>a</u>	Madness
<i>See.Trac.Topic</i>	<u>450</u>	<u>a</u>	Mental illness
		<u>x</u>	Law and legislation
<i>SAF.Trac.Topic</i>	<u>550</u>	<u>w</u>	g
		<u>a</u>	Mental illness
<i>SAF.Trac.Topic</i>	<u>550</u>	<u>a</u>	Psychiatry
<i>SAF.Trac.Topic</i>	<u>550</u>	<u>a</u>	Psychology, Pathological

Update set to "N"

Here, the term "madness" is a 450 heading for the authorized heading of "Insanity".

<i>Leader</i>	<u>LDR</u>	---	---	80497cz^^^2200217n^^4500
<i>Update</i>	<u>UPD</u>	---	<u>a</u>	N
<i>Control No.</i>	<u>001</u>	---	---	BIN10-000631619
<i>Date and Time</i>	<u>005</u>	---	---	20030526204102.0
<i>Fixed Data</i>	<u>008</u>	---	---	860211i ^anannbab ^ a^ana^ ^ ^
<i>LC Control No.</i>	<u>010</u>	---	<u>a</u>	sh 85005009^
<i>System No.</i>	<u>035</u>	<u>9</u>	<u>a</u>	AFR6233
			<u>b</u>	SB
<i>Catalog Source</i>	<u>040</u>	---	<u>a</u>	DLC
			<u>c</u>	DLC
			<u>d</u>	DLC
<i>LC Class. No.</i>	<u>053</u>	---	<u>a</u>	BF575.A5
			<u>c</u>	Psychology
<i>LC Class. No.</i>	<u>053</u>	---	<u>a</u>	BJ1535.A6
			<u>c</u>	Ethics
<i>LC Class. No.</i>	<u>053</u>	---	<u>a</u>	RC569.5.A53
			<u>e</u>	Psychiatry
<i>Topical Term</i>	<u>150</u>	---	<u>a</u>	Anger
<i>See.Trac.Topic</i>	<u>450</u>	---	<u>a</u>	Indignation
<i>See.Trac.Topic</i>	450	---	<u>a</u>	Madness
<i>See.Trac.Topic</i>	<u>450</u>	---	<u>w</u>	nne
			<u>a</u>	Wrath
<i>See.Trac.Topic</i>	<u>450</u>	---	<u>a</u>	Rage
<i>SAF.Trac.Topic</i>	<u>550</u>	---	<u>w</u>	g
			<u>a</u>	Emotions
<i>SAF.Trac.Topic</i>	<u>550</u>	---	<u>a</u>	Temper

Update set to "N"

Here the same term "madness" is a 450 heading for the authorized heading of "anger"

Although ambiguous, both of these records are legitimate.

So while neither of the records are “wrong”, there still can be a problem if you allow these headings to update records.

<i>Leader</i>	<u>LDK</u>	---	---	01189cam^^2200265Ia^15
<i>Control No.</i>	<u>001</u>	---	---	BIN01-001477541
<i>Date and Time</i>	<u>005</u>	---	---	20020502120616.0
<i>Fixed Data</i>	<u>008</u>	---	---	000329s1999^^^^nyu^^
<i>LC Control No.</i>	<u>010</u>	---	<u>a</u>	98090860
<i>ISBN</i>	<u>020</u>	---	<u>a</u>	0533129567
<i>System No.</i>	<u>035</u>	---	<u>a</u>	(OCoLC)ocm43733726
<i>Catal. Source</i>	<u>040</u>	---	<u>a</u>	CLE
			<u>c</u>	CLE
			<u>d</u>	QP9
			<u>d</u>	DCE
<i>Local Holdings</i>	<u>049</u>	---	<u>a</u>	BNFN
<i>Local Call No.</i>	<u>090</u>	---	<u>a</u>	BF575.A5
			<u>b</u>	P84 1999
<i>Personal Name</i>	<u>100</u>	<u>1</u>	<u>a</u>	Puff, Robert Eugene,
			<u>d</u>	1960-
<i>Title:</i>	<u>245</u>	<u>10</u>	<u>a</u>	Anger work :
			<u>b</u>	how to express your anger and still be kind /
			<u>c</u>	Robert E. Puff, Jr. ; edited by Kelly M. Arbor.
<i>Edition:</i>	<u>250</u>	---	<u>a</u>	1st ed.
<i>Imprint:</i>	<u>260</u>	---	<u>a</u>	New York :
			<u>b</u>	Vantage Press,
			<u>c</u>	c1999.
<i>Description:</i>	<u>300</u>	---	<u>a</u>	96 p. ;
			<u>c</u>	22 cm.
<i>Subj-Topical:</i>	<u>650</u>	<u>0</u>	<u>a</u>	Madness.
<i>Subj-Topical:</i>	<u>650</u>	<u>0</u>	<u>a</u>	Adjustment (Psychology)
<i>Subj-Topical:</i>	<u>650</u>	<u>0</u>	<u>a</u>	Interpersonal relations.
<i>Name Add Entry:</i>	<u>700</u>	<u>1</u>	<u>a</u>	Arbor, Kelly M.
<i>Call Number</i>	<u>800</u>	---	---	...

So if you loaded this bib record into your system and the heading "madness" was the subject heading that was brought in, if the UPD's were set to "Y", the 650 could flip to

either "Anger" or "Insanity", one of which is much less appropriate!

While ambiguous authority records are a fact of life, you can mark them UPD “N”, stopping them from updating records, while non-ambiguous headings are allowed to update.

Tag problem 2

Conflicting headings are similar to ambiguous headings. In both cases there are headings that make more than one match. However with a conflicting heading, a heading that is a 1xx authorized heading is thought, by Aleph, to be a 4xx “see from” heading in a different family.

These matches occur because Aleph reads the first number of the tag but not the second two.

For example, Aleph allows a 400 field to flip to a 150 field. Take for example the heading “Chess”

<i>Leader</i>	<u>001</u>			0435cz^^^2200121n^^4500
<i>Update</i>	<u>UPD</u>		<u>a</u>	N
<i>Control No.</i>	<u>001</u>			BIN10-000471586
<i>Date and Time</i>	<u>005</u>			20030514204048.0
<i>Fixed Data</i>	<u>008</u>			920304n ^acannaab ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ a^aaa^ ^ ^ ^ ^
<i>LC Control No.</i>	<u>010</u>		<u>a</u>	n^^92023376^
<i>System No.</i>	<u>035</u>	<u>9</u>	<u>a</u>	AEY8534
			<u>b</u>	SB
<i>Catalog Source</i>	<u>040</u>		<u>a</u>	DLC
			<u>c</u>	DLC
			<u>d</u>	DLC
<i>Personal Name</i>	<u>100</u>	<u>1</u>	<u>a</u>	Chess, Henry L.
<i>Seel.Trac.Per.A</i>	<u>400</u>	<u>1</u>	<u>a</u>	Chess
<i>Source Found</i>	<u>670</u>		<u>a</u>	Intern. SAMPE Technical Conference (20th : 1988 : Minneapolis, Minn.). Materials--processes, the intercept point, c1988: <u>b</u> t.p. (Chess) p. vi (Henry L. Chess; Xerkon, general co-chairman)

UPD set to N



Here "Chess" is also used as a 400 see from tracing for the personal name "Chess, Henry L.". If you have a bib record with a 650 of "Chess", Aleph will consider "Chess" to be the 4xx see from tracing and will flip the heading on your record to "Chess".

So there is a subject heading of “Chess” (the game), which should be just fine. It is a 650 field. Aleph sees that it is also a 400 “see from” reference.

It reads the “Chess” in the authority record and the fact that it is a “4xx” field in the authority record. It doesn’t read that it is a 400 field and not a 450 field.

Unless the record is set to
UPD “N”, Aleph will try to
correct the 650 “Chess” to
what it considers it’s correct
heading, 100 Chess, Henry L.

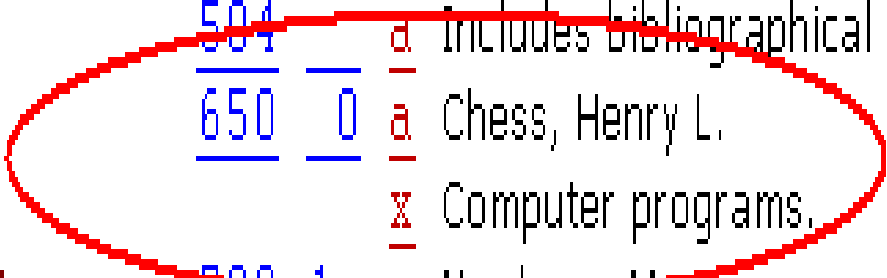
If the authority records for this heading is not set to UPD “N”,
then when the ue_08 is running ...

<i>Personal Name</i>	<u>100</u>	<u>1</u>	<u>x</u>	Levy, David N. L.
<i>Title:</i>	<u>245</u>	<u>10</u>	<u>a</u>	How computers play chess /
			<u>c</u>	David Levy and Monty Newborn.
<i>Imprint:</i>	<u>260</u>	<u> </u>	<u>a</u>	New York :
			<u>b</u>	Computer Science Press,
			<u>c</u>	c1991.
<i>Description:</i>	<u>300</u>	<u> </u>	<u>a</u>	x, 246 p. :
			<u>b</u>	ill. ;
			<u>c</u>	24 cm.
<i>Bibliography:</i>	<u>504</u>	<u> </u>	<u>a</u>	Includes bibliographical references (p. [229]-233) and index.
<i>Subj-Topical:</i>	<u>650</u>	<u> 0</u>	<u>a</u>	Chess
			<u>x</u>	Computer programs.
<i>Name Add Entry:</i>	<u>700</u>	<u> 1</u>	<u>a</u>	Newborn, Monroe.

Chess, the topical subject heading, is the appropriate heading here.

			<u>W</u>	.L777 1771
<i>Personal Name</i>	<u>100</u>	<u>1</u>	<u>a</u>	Levy, David N. L.
<i>Title:</i>	<u>245</u>	<u>10</u>	<u>a</u>	How computers play chess /
			<u>c</u>	David Levy and Monty Newborn.
<i>Imprint:</i>	<u>260</u>		<u>a</u>	New York :
			<u>b</u>	Computer Science Press,
			<u>c</u>	c1991.
<i>Description:</i>	<u>300</u>		<u>a</u>	x, 246 p. :
			<u>b</u>	ill. ;
			<u>c</u>	24 cm.
<i>Bibliography:</i>	<u>504</u>		<u>a</u>	includes bibliographical references (p. [229]-233) and index.
<i>Subj-Topical:</i>	<u>650</u>	<u>0</u>	<u>a</u>	Chess, Henry L.
			<u>x</u>	Computer programs.
<i>Name Add Entry:</i>	<u>700</u>	<u>1</u>	<u>a</u>	Newborn, Monroe.
-	<u>0117</u>		<u>--</u>	

Then Aleph thinks that "Chess" is the 4xx heading and flips it to what it considers is the proper 1xx term , but in this case, across families to a personal name.



What is being done about these problems?

1. The Cataloging and Authorities Enhancement Group has, for the last 2 years , submitted enhancement requests that would reduce these problems.

2. There was a 2 day meeting in Jan. 2003 with an ExLibris representative, Naomi Leiser, Helen Schmierer (Harvard) and Sandy Card (Binghamton) to hammer out the enhancement and discuss specific changes that could be made to improve authorities in Aleph.

AND ... Thanks for the votes!!

2002-03 NAAUG Enhancement Results
Voting Period: April 21 to May 7, 2003

The Authorities enhancement was the top vote getter!

NAAUG Number	Module Number	Voting Pts	Dev Pts	Cumulative Dev Pts
NAAUG 2002-002	CAT-2002-01 Authorities	360	25	25
NAAUG 2002-003	CIR-2002-01-F Cash Transactions	268	12	37
NAAUG 2002-014	CAT-2002-03-F 200 character index string	218	20	57
NAAUG 2002-010	OPA-2002-02-F Basket Call number & Location	192	15	72
NAAUG 2002-020	CAT-2002-04-F Item sorting in Staff modules	192	20	92
NAAUG 2002-004	OPA-2002-01-F Persistent Search Statements	177	6	98
NAAUG 2002-005	SER-2002-01-F Item Global Change in Serials	161	10	108

We have voted for authority enhancements. ExLibris will provide them. So why not wait?

Why put effort into short term solutions? If you load all of your authority records as UPD “N” you will escape the tag problems and there is nothing you can do currently about the display problems anyway.

Because even if you have an authority control vendor, unless you can afford to send your entire bib file out periodically, by setting your UPD's to "N" you will create split entries. As you bring in new records with changed headings, if your older records are not updated, your catalog will become out of sync.

Until the enhancements are in place, what can you do?

1. Use the p_auth_04 to set those authority records which are conflicts or ambiguous records to UPD “N” and allow all the rest of the headings to update with UPD “Y”.

2. Use the `p_print_05` to retrieve records that have non-preferred headings in them. This process will identify the headings that would have flipped if they weren't conflicting or ambiguous.

Step 1

Identify ambiguous and conflicting headings by running the p_auth_04 in the xxx10 library of web services.

Update OPAC Indexes

1. [Word Index \(manage-01\)](#)
2. [Direct Index \(manage-05\)](#)
3. [Headings Index \(manage-02\)](#)
4. [Sort Index \(manage-27\)](#)
5. [Reset headings counter \(manage-10\)](#)
6. [Delete unlinked headings \(manage-15\)](#)
7. [List unauthorized headings \(auth-03\)](#)
8. [Alphabetize headings - Setup \(manage-16\)](#)
9. [Alphabetize long headings \(manage-17\)](#)
10. [Short Bibliographic Record \(manage-07\)](#)
11. [BIB Records Per Heading \(auth-04\)](#)
12. [Update Indexing for Selected Records \(b-manage-40\)](#)

**Web Services in the xxx10
(the authority library).**

List Headings Having Multiple Document Records (p_auth_04)

This report lists headings that are linked to more than one authority record. It is designed to “uncover” ambiguous headings. The report is only meaningful when run on the authority library.

If you run the the p_auth_04 using the “GEN” index you will get a list of problems both within and between families - both the conflicts and the ambiguous headings.

The p_auth_04 output gives you a list of headings and the record numbers that correspond to the headings. Each listed heading occurs in 2 or more authority records.


```
***
006L01C01---GEN
013L01C01---11/19/01
013L01C01---11/19/01
008L01C01---000294405##000208496##
060L01C01---$$aBeethoven, Ludwig van$$d1770-1827$$t5 piano concertos
##L
```

Results of p_auth_04 using "GEN" index

Personal name heading

```
006L01C01---GEN
013L01C01---11/19/01
013L01C01---11/19/01
008L01C01---000635345##000635344##000635350##000688484##000688485##
060L01C01---$$aBeets and beet sugar
##L
```

Topical heading

```
006L01C01---GEN
013L01C01---11/19/01
013L01C01---11/19/01
008L01C01---000625167##000613306##
060L01C01---$$aB.E.F
##L
```

Corporate heading

```
006L01C01---GEN
013L01C01---11/19/01
013L01C01---11/19/01
008L01C01---000649822##000639769##
060L01C01---$$aBehavior of children
##L
```

This gives you a very nice list that also shows the text of the headings.

```
006L01C01---GEN
013L01C01---11/19/01
013L01C01---11/19/01
008L01C01---000722639##000667501##
060L01C01---$$aBehavioral medicine
##L
```

```
006L01C01---GEN
013L01C01---11/19/01
013L01C01---11/19/01
008L01C01---000699950##000671235##
060L01C01---$$aBehavioral neurology
##L
```

```
006L01C01---GEN
013L01C01---11/19/01
013L01C01---11/19/01
008L01C01---000685749##000679074##
060L01C01---$$aBehavioral sciences
***
```

Again, it is important to remember to use the “Gen” index so the list will contain matches both across and within families. This method provides you with a comprehensive list of “problem” authority records.

In order to use this list for global changes to authority records, you must first refine it.

Before you run the p_auth_04, go to rep_col.eng table in the xxx01/tab. Comment out all the lines except the one for record no.

!p_auth_04	01 001 Heading index	006 01 C01 -- -- Z01-acc-code
!p_auth_04	01 002 Open date	013 01 C01 -- --- Z01-open-date
!p_auth_04	01 003 Update date	013 01 C01 --- -- Z01-update-date
p_auth_04	01 004 Record no.	008 01 C01 --- -- Z02-doc-number
!p_auth_04	01 005 Heading	060 01 C01 -- -- Z01-display-text

? BIN10 - BIB Records Per Heading

Output file

Headings Index

Choose "General" as the heading index.

Last Update (yyyymmdd)

 to

Columns in report

Header/Footer

It's not necessary to adjust the column headings here.

Title of Report

Block records

 Yes No

Run Time

 at o'clock

Print ID

- TABLE

#H

100L01C01CEN multi docs per acc-code on 02/22/02 for library

100L01C01CEN Multi Docs Per Acc-Code Report

##L

100L01000---Ambiguous Headings -Topical

##L

008L01C01---Record no.

#F

100L01C01---

page - \$\$P -

#B

##L

008L01C01---000668842##000664337##

##L

008L01C01---000687379##000664705##

##L

008L01C01---000656301##000650233##

##L

008L01C01---000656890##000656888##

##L

008L01C01---000629247##000629244##000629248##

##L

008L01C01---000629257##000629256##

##L

008L01C01---000690169##000650837##

##L

008L01C01---000678430##000650626##

##L

008L01C01---000685889##000664140##

##L

008L01C01---000680350##000645826##

The report you then get will look like this -- each line represents a non-preferred heading, each sys id on the line represents a record with that 4xx field

There can be 2, 3 or 10 record numbers on relating to a single heading

##L

008L01C01---000746172##000746171##

Using the data received as a result of the p_auth_04, convert the data in textpad, replacing the extraneous lines of ##L and 008L01C01 with nulls.

000746172##000746171##

**Since the p_manage_21
(global change) will expect
a library designation
attached to each id, add
the xxx10 to each number.**

000746172BIN10,000746171BIN10,

Note: Also add a comma after the xxx10 since the records will be imported into an Excel file as comma delimited.

000746172BIN10,000746171BIN10,

Save as a .txt file.

Using Excel, import the .txt file as comma delimited. This causes the multiple ambiguous record numbers to go into their own columns.

000660237BIN10	000660164BIN10	000660242BIN10			
000660169BIN10	000660168BIN10				
000635341BIN10	000632007BIN10	000695161			
000678784BIN10	000667139BIN10				
000629572BIN10	000629532BIN10				
000629572BIN10	000629532BIN10				
000688407BIN10	000642655BIN10				
000690990BIN10	000652415BIN10				
000664213BIN10	000634572BIN10	000687228BIN10			
000629586BIN10	000629574BIN10	000666154BIN10	000677173BIN10	000687630BIN10	000762647BIN10
000642282BIN10	000633196BIN10				
000677670BIN10	000642282BIN10				

Each row represents a heading, the columns represent each instance.

Note that some headings (here it is for "Administration") contain many record ids. Also note the BIN10 that was added to the end of each number with the global change in textpad.



Finally create an input file in \$alephe_scratch. Copy each column into the input file appending them together.

000746172BIN10

000746171BIN10

000056668BIN10

000867429BIN10

Run the `b_manage_21` to make the global changes to the UPD field of Y to N.

Update Catalog Records

1. [Convert MARC records - Step 1 \(file-01\)](#)
2. [Convert MARC records - Step 2 \(file-02\)](#)
3. [Convert SWETS records \(file-05\)](#)
4. [Load catalog records \(b-manage-18\)](#)
5. [Load authority supplement \(manage-20\)](#)
6. [Load authority records \(manage-31\)](#)
7. [Load MARCIVE records \(b-file-99\)](#)
8. [Load BNA records \(b-file-98\)](#)
9. [Global changes \(b-manage-21\)](#)
10. [Character conversion \(manage-22\)](#)
11. [Delete "CAT" fields \(manage-13\)](#)

While the `manage_21` is found in more than one library, for this change you need to use the one in the xxx10 (authority) library.

? BIN10 - Global Changes

Input file

Output file

Update database

Yes No

Line in record

Alpha Tag 1st Ind 2nd Ind

Sub-fields & contents

Changes

• Delete field Yes No

• Delete sub-fields

• Add sub-fields & contents

• Replace this text

with this text



Running this global change will set the UPD's to N in all the records that the p_auth_04 identified. This change will prevent these records from updating bibliographic records when the ue_08 is running.

But what about new authority records that you want to bring in the system?

Each authority record should be tested before it is allowed to update records. This means that to be safe, you need to bring authority records into the system already marked UPD “N”.

We use OCLC's CatME to import our authority records.

Online AF: Jungle survival

ARN: 5960498

Rec stat: n Entered: 20021204

▶Type:	z	Upd status:	a	Enc lvl:	n	Source:
Roman:	■	Ref status:	a	Mod rec:		Name use: b
Govt agn:	■	Auth status:	a	Subj:	a	Subj use: a
Series:	n	Auth/ref:	a	Geo subd:	i	Ser use: b
Ser num:	n	Name:	n	Subdiv tp:	n	Rules: n

▶010 sh2002009155

▶040 DLC #b eng #c DLC

▶005 20030124092513.0

▶053 0 GV200.5 #b GV200.56

▶150 Jungle survival

▶550 Survival skills #w g

▶670 Work cat.: 2002405683: SAS jungle survival, 2001.

▶UPD N

We set the UPD N field in CatME before we export the record.

Once the record has been exported to our system, we test it by sending to the server. If there is no error message, we change the UPD to Y.

If there is an error message, we leave the record at UPD “N” and make sure that the corresponding duplicate headings record is also set to UPD “N”.

Here is the type of error message you would expect to see.

AU - System Number 83745 - NEW618.MRC

<u>040</u>	—	<u>a</u>	DLC
		<u>c</u>	DLC
		<u>d</u>	DLC
		<u>d</u>	NjP
		<u>d</u>	DLC
<u>151</u>	—	<u>a</u>	China
<u>451</u>	—	<u>a</u>	Cina
<u>451</u>	—	<u>a</u>	Kinë
<u>451</u>	—	<u>a</u>	Cathay
<u>451</u>	—	<u>a</u>	Sin
<u>451</u>	—	<u>a</u>	Chinese
<u>451</u>	—	<u>a</u>	Chung-l
<u>451</u>	—	<u>a</u>	Republi
<u>451</u>	—	<u>a</u>	Kuo mir
<u>451</u>	—	<u>a</u>	Chung-l
<u>451</u>	—	<u>a</u>	Kina
<u>451</u>	—	<u>a</u>	National Government (1912-1949)
<u>451</u>	—	<u>a</u>	China (Republic : 1912-1949)
<u>451</u>	—	<u>a</u>	People's Republic of China
<u>451</u>	—	<u>a</u>	Chinese People's Republic

When the authority record for China is sent back to the server, an error message is generated warning that one of the entries is duplicated in another authority record.

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Record check warnings/errors

Doc Validation Error

- ? First indicator in tag "035" is not valid.
- ? Field "035" contains sub field "b" which is not allowed.
- ? Field 451 with text "\$\$aSin" is a duplicate entry in the AUT file (Detected in doc number 000685235).
- ? Field 451 with text "\$\$aKina" is a duplicate entry in the AUT file (Detected in doc number 000083744).
- ? Field 451 with text "\$\$aRRC" is a duplicate entry in the AUT file (Detected in doc number 000604724).

Once you have set the ambiguous and conflicting headings to UPD “N”, records that have ambiguous headings will not flip. Truly ambiguous headings are not an Aleph specific problem. Any system or authorities vendor will generate the same problems. But how can you use reports from Aleph to help identify the headings that need to be looked at manually?

The p_print_05 is a web services report that will give you a list of catalog records with “non-preferred” headings. The report can be generated in different ways depending on your needs.

```
##L
030L01C01---An, Lu-shan 703-757
020L01C01---000943357
050L01C01---Biography of An Lu-shan. Translated and
##L
030L01C01---Anatomy, Regional
020L01C01---000751672
050L01C01---A synopsis of surgical an
##L
030L01C01----
020L01C01---001106274
050L01C01---Regional anatomy in its r
##L
030L01C01---Animal food
020L01C01---001495154
050L01C01---Source category survey : animal feed dry
##L
030L01C01---Animals Training
020L01C01---000246066
050L01C01---The gentle jungle / Toni Ringo Helfer.
##L
030L01C01---Animals, Treatment of
020L01C01---001538076
050L01C01---A vindication of the rights of brutes. [
##L
030L01C01----
020L01C01---001564201
050L01C01---The rights of animals: [microform] : an
##L
030L01C01---Annals
020L01C01---000182726
050L01C01---French men, women and books; a series of
##L
030L01C01---Antiques, Oriental
020L01C01---000674255
050L01C01---Corpus of Ancient Near Eastern seals in
```

Output of the p_print_05. The file contains the heading that is represented as a 4xx field (even though it may also be a 1xx field in a different authority record), the record id, and the title of the bib record.

Once again you can use rep_col.eng to changed the information you get in the input file. This time, by commenting out all but the z02-doc-number (record id) you get a list of record id's of records where a heading is in a 4xx field.

```
!p_print_05      01 001 Acc Text          030 01 C01 --- --- Z01-display-  
text  
p_print_05      01 002 Acc Documents      020 01 C01 --- --- Z02-doc-  
number  
!p_print_05      01 003 Docs Titles        050 01 C01 --- --- Z13-title
```

Putting the file into textpad, replacing the label fields and then comparing one months file with the previous one will give you a list of new records that need to be checked to see if the headings need to be updated manually.


```
2 #H
3 100L01C01CB-Report of Cataloging records that have incorrect entry fields (field is a
4 ##L
5 100L01000---Non-preferred subject headings
6 ##L
7 020L01C01---Acc Documents
8 #F
9 100L01C01C--page - $$P -
10 #B
11
12 ##L
13 020L01C01---001537995
14 ##L
15 020L01C01---001537996
16 ##L
17 020L01C01---001537997
18 ##L
19 020L01C01---001537998
20 ##L
21 020L01C01---001537999
22 ##L
23 020L01C01---001538000
24 ##L
25 020L01C01---001538001
26 ##L
27 020L01C01---001538002
28 ##L
29 020L01C01---001538003
30 ##L
31 020L01C01---001538004
32 ##L
33 020L01C01---001538005
34 ##L
35 020L01C01---001538006
36 ##L
37 020L01C01---001538007
38 ***
```

This is the way the p_print_05 will look once the output file has been imported into textpad (again, this is the result if you have changed the rep_col.eng and are asking for only the record numbers). Next replace the ##L and the 020L01C01--- with "blank"

4
5 001537996
6
7 001537997
8
9 001537998
10
11 001537999
12
13 001538001
14
15 001538002
16
17 001538003
18
19 001538004
20
21 001538005
22
23 001538006
24
25 001538007
26
27 001538008
28
29 001538009
30
31 001538010
32
33 001538011
34
35 001538012
36
37 001538057
38

Once the extra labels and fields have been stripped out you will end up with a list of record id's. The first time you run this you may want to check each record to see if it needs to have the subject heading manually adjusted. However by keeping each previous file, you can use textpad to compare each subsequent output.

```
Compare: (<)C:\AL500\JOBMGR\files\BIN01\subjects_by_id_2.txt (68005 bytes)
with: (>)C:\AL500\JOBMGR\files\BIN01\subjects_by_id (68096 bytes)
```

```
13a13,14
> 001538000
>
39a41,42
> 001538058
>
45a49,50
> 001539468
>
59a65,66
> 001539519
>
63a71,72
> 001541172
>
73a83,84
> 001541185
>
95a107,108
> 001541447
>
```

So once you have looked at the original set of records, by comparing the next output file, you will have significantly less records to check. Where the first time we ran the p_print_05 we received 524 entries with the heading in a 4xx field, running it again and comparing the first file with the next results in only 7 new records that need to be manually looked at. This way you do not need to look at records that you have already checked.

These are some of the steps that we have taken to work with our authorities. We currently are bringing in new authorities as we need them and we love to watch the headings flip when a revised heading is loaded.

Is there more?

Of course! We want to see what other Aleph reports may give us. We want to work with `fix_docs` and spend some time perfecting batch loads. And we are waiting for the enhancements to be implemented.

What has the enhancement group asked for?

1. The authority enhancement group has asked that the Aleph system read all 3 numbers in the tags of authority records, eliminating the problem with conflicting headings.

2. For the truly ambiguous headings, we have asked that the UPD N function at the field level rather than at the record level. This would allow a record such as China to have all the 4xx fields, except those that are actually duplicated in another authority record to be used.

3. We would like the system to run a background daemon, similar to the batch 9p_auth_04, which would identify 4xx fields in authority records as ambiguous, AS THEY ARE LOADED, and mark the fields in both/all the records with a “do not update” tag.

We are waiting for these enhancements because just imagine how nice it would be to have:

Haddock that are only fish and
Chess that is only a game and
to know whether when madness
strikes at work it is insanity or
only anger!

**questions please
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u**

Sandy Card