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Implementing SFX: Impact on Acquisitions and Cataloging

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Implementing SFX: Impact on Acquisitions and Cataloging

Judith Shelton and William Walsh

Georgia State University

COMO 2004

October 14, 2004

What is SFX?

- SFX is a link server from Ex Libris
- SFX:
 - Accepts OpenURL as input from an information resource*
 - Analyzes contents of OpenURL*
 - Evaluates appropriate services based on metadata*
 - Dynamically computes links to target services*

*From SFX implementation documentation

-
- This presentation is not an endorsement (or a critique) of SFX.
 - We're focusing on SFX because it's what we use (and what we're able to talk about).
 - There are other commercial link servers on the market...
-

Other commercial link servers include:

- Article Linker (Serials Solutions)
- Link Finder Plus (Endeavor)
 - LinkSource (EBSCO)
- 1Cate (Openly Informatics)

1Cate = one click access to everything

On Monday, SFX announced the “imminent” release of SFX Version 3.

- According to their press release, features of version 3 include:
 - OpenURL v1.0 Support
 - SFX Menu Customization
 - E-journal (A-Z) List
 - Enhancements and new tools for the admin. Module
 - Ex Libris expects to beta test Version 3 for the next two months. They will support Version 2 for six months after Version 3 is officially released.
 - This presentation deals with SFX Version 2. While the issues discussed will remain the same, some details will change with the release of Version 3.
-

The OpenURL

- According to Ex Libris, “the OpenURL standard enables a user who has retrieved an article citation, for example, to obtain immediate access to the ‘most appropriate’ copy of that object through the implementation of extended linking services. The selection of the best copy is based on user and organizational preferences regarding the location of the copy, its cost, and agreements with information suppliers, and similar considerations. This selection occurs without the knowledge of the user; it is made possible by the transport of metadata with the OpenURL link from the source citation to a ‘resolver’ (the link server), which stores the preference information and the links to the appropriate material.”

<http://www.exlibrisgroup.com/sfx_openurl.htm>

The screenshot shows a web browser window displaying the Cambridge Scientific Abstracts Internet Database Service. The search results are for the author 'hernon, p'. The page includes a search interface on the left with options for search criteria and filters. The main content area displays a list of records, each with a title (TI), author (AU), and source (SO). A red arrow points to the 'SFX @ GSU' button next to the first record, which is labeled 'GA State's SFX Button'.

Search Results

Subject Area: Library and Information Science
 Results from: LISA: Library and Information Science Abstracts

Records

1 of 97 [View Record](#) [SFX @ GSU](#)
 TI: Outcomes assessment: not synonymous with inputs and outputs
 AU: [Dugan, R E](#), [Hernon, P](#)
 SO: Journal of Academic Librarianship; 28 (6) Nov 2002, p.376-80

2 of 97 [View Record](#) [SFX @ GSU](#)
 TI: Quality: new directions in the research
 AU: [Hernon, P](#)
 SO: Journal of Academic Librarianship; 28 (4) Jul 2002, p.224-31

3 of 97 [View Record](#) [SFX @ GSU](#)
 TI: An action plan for outcomes assessment in your library
 AU: [Hernon, P](#), [Dugan, R E](#)
 SO: Journal of Academic Librarianship; 28 (3) May 2002, p.164-5

4 of 97 [View Record](#) [SFX @ GSU](#)
 TI: University library directors in the Association of Research Libraries: the next generation, Part two
 AU: [Hernon, P](#), [Powell, R R](#), [Young, A P](#)
 SO: College and Research Libraries; 63 (1) Jan 2002, p.73-90

5 of 97 [View Record](#) [SFX @ GSU](#)
 TI: Outcomes are key but not the whole story
 AU: [Hernon, P](#)
 SO: Journal of Academic Librarianship; 28 (1/2) Jan-Mar 2002, p.54-5

6 of 97 [View Record](#) [SFX @ GSU](#)
 TI: An action plan for outcomes assessment in your library

What does an OpenURL look like? Let's just take a quick look at an example, so those who haven't seen one can see what it looks like in action. This is a screen shot for an author search for Peter Hernon in LISA.

Clicking the button creates the following OpenURL, which is sent to our SFX server:

- http://sfx.galib.uga.edu/sfx_gsu1?sid=CSA:lisa-set-c&pid=%3cAN%3e131675%3c%2fAN%3e%26%3cAU%3eDugan%2cR+E%3b+Hernon%2c+P%3c%2fAU%3e&issn=0099-1333&date=2002&volume=28&issue=6&epage=80&spage=376&genre=article&aualast=Dugan&auinit=RE&title=Journal+of+Academic+Librarianship&atitle=Outcomes+assessment%3a+not+synonymous+with+inputs+and+outputs
-

Source i.d. = LISA: Library and Information Science Abstracts
from CSA

- http://sfx.galib.uga.edu/sfx_gsu1?sid=CSA:lisa-set-c&pid=%3cAN%3e131675%3c%2fAN%3e%26%3cAU%3eDugan%2c+R+E%3b+Her non%2c+P%3c%2fAU%3e&issn=0099-1333&date=2002&volume=28&issue=6&epage=80&spage=376&genre=article&aulast=Dugan&aunit=RE&title=Journal+of+Academic+Librarianship&atitle=Outcomes+assessment%3a+not+synonymous+with+inputs+and+outputs

You can see that the sid, or source i.d., equals Library and Information Science Abstracts. This lets SFX know where the user and the citation are coming from.

Accession number = 131675
(Without the URL encoding it would read
“pid=<AN>131675</AN>”)

- http://sfx.galib.uga.edu/sfx_gsu1?sid=CSA:lisa-set-c&pid=%3cAN%3e131675%3c%2fAN%3e%26%3cAU%3eDugan%2c+R+E%3b+Hernon%2c+P%3c%2fAU%3e&issn=0099-1333&date=2002&volume=28&issue=6&epage=80&spage=376&genre=article&aust=Dugan&aunit=RE&title=Journal+of+Academic+Librarianship&atitle=Outcomes+assessment%3a+not+synonymous+with+inputs+and+outputs

pid stands for “private identifier.”

You can see that the OpenURL created also includes CSA's accession number for this record.

You get the idea; the info in OpenURL corresponds to...

- http://sfx.galib.uga.edu/sfx_gsu1?sid=CSA:lisa-set-c&pid=%3cAN%3e131675%3c%2fAN%3e%26%3cAU%3eDugan%2c+R+E%3b+Hernon%2c+P%3c%2fAU%3e&issn=0099-1333&date=2002&volume=28&issue=6&epage=80&spage=376&genre=article&aulast=Dugan&aunit=RE&title=Journal+of+Academic+Librarianship&atitle=Outcomes+assessment%3a+not+synonymous+with+inputs+and+outputs

You get the idea, all the information in the OpenURL that is created (Authors, ISSN, volume, date, issue, start page, end page, and title) corresponds to...

Internet Database Service
 Georgia State University Library
 Philosopher's Index Now Available

Search Results

1 of 97

TI: Title
 Outcomes assessment: not synonymous with inputs and outputs

AU: Author
 Dugan, R E, Heron, P

SO: Source
 Journal of Academic Librarianship, 28 (6) Nov 2002, p. 376-80

IS: ISSN
 0099-1333

AB: Abstract
 Presents a rationale for the use of outcomes assessment and different perspectives on assessment, and shows that the profession needs to develop strategies for moving across those perspectives. Concludes that, too often, librarians assume that the measures collected do so, when in fact, they do not. (The authors may be contacted by electronic mail at [mailto:rdugan@suffolk.edu] and [mailto:peter.heron@simmons.edu]). (Original abstract)

FE: Features
 refs.

LA: Language
 English

PY: Publication Year
 2002

DE: Descriptors
 Education; Students; Academic achievement; Evaluation; Academic libraries; USA

SH: Shelfmark
 4918.858000

UD: Update
 20030314

AN: Accession Number
 131675

...the bibliographic info in the record.

...the information from the citation. This metadata is passed along to SFX which determines the services to display to the user in the SFX menu based on that information.

With SFX, we talk about targets and sources

- A source is where the SFX button or link appears. It's where a user is coming from.
- A target is where a user goes after clicking a choice from the SFX menu.
- For example, a user performs a search in an A&I database like LISA (the source), clicks the SFX button in a record and from the SFX menu is taken to the full text of the article in ScienceDirect (the target).

I want to briefly touch on some of the terminology used with SFX and other link servers.

Out of the box, targets and sources must be activated and configured in SFX.

■ For sources:

- In general, all sources should remain active in SFX—even those not subscribed to.
- You must request that sources be OpenURL-enabled. This is usually done by: 1) contacting the publisher or 2) entering your link server information in the source's web admin. module
- In the past, not all sources supported a custom SFX button. Most now do, but some sources still will not display a button at all—only a generic link.

CAS ChemPort and EI Village 2 – Compendex are 2 sources that only allow links.

Deactivating SOURCES is generally *not* recommended, because it may cause unexpected problems, for example, with the OpenURL Generator (which is operated through the DEFAULT source). It is best to leave all SOURCES in their original active state. The active state of SOURCES to which the customer does not subscribe will not affect the contents of the SFX Menu or the KnowledgeBase, because OpenURLs from these sources will not be received by the SFX server.

- For targets:

- Activated/configured in the SFX KnowledgeBase Manager
 - Can be done manually or in bulk through SFX's DataLoader with a tab-delimited file.
 - Easiest targets to configure are those to which you subscribe to everything (e.g., JSTOR Arts & Sciences I). Everything can be turned on at once.
 - Most time consuming targets to configure can be those for which you only subscribe to a subset of titles available in the target. If done manually, this can take quite a bit of time. For example, ScienceDirect currently has 2,237 full text titles associated with it. To activate 500 or 1,000 of these by hand takes time—especially if coverage dates have to be adjusted.
-

At Georgia State, the initial work of activating and configuring targets took Judith and I almost a month. We bulk activated what we could, but there was still quite a bit of manual tweaking involved—especially with coverage dates. Less concentrated, but fairly steady clean up of targets continued for another couple of months, but with only one person doing the work.

Who does what?

- This depends on your organization. Before embarking on SFX implementation, make sure you have people in your library with the necessary skills.

Skills in using the following needed for technical support:

- Telnet
- Unix
 - FTP using Unix commands
 - HTML tagging in the Unix environment
 - Command line editor in the Unix environment
- Graphic editing program such as Photoshop
- Perl

Skill in using the following tools is needed for technical support:

Telnet (the protocol for connecting to another computer or server), preferably a secure 'flavor' since you will be manipulating the production database.

Unix (the operating system SFX runs on)

Ability to do **FTP using Unix commands** to pick up files.

Knowledge of **HTML syntax** (and possibly Cascading Style Sheets) to customize the look-and-feel of SFX menus.

Ability to do **HTML tagging in the Unix environment** using a command line editor to customize the SFX menu of services.

Ability to use a **command line editor in the Unix environment** to change settings in the SFX configuration and other system files.

Graphic Editing Program for the Web, such as **Photoshop**, so you can add your logo to the menu or customize the SFX button.

Knowledge of **Perl**, the scripting language used by SFX, is useful so you can customize local thresholds, parsers, etc.

WebAdmin and KBManager. These are web based tools for setting up and maintaining the local instance. Training will be provided for its use.

Setup. The Knowledge base delivered with the SFX server contains preconfigured sources and targets. The biggest part of setting up is customizing the preconfigured resources to reflect local data about targets. To start, you need detailed information about your providers of e-journal subscriptions, coverage dates, and particularly ISSNs. Begin by activating those providers from whom you get everything. The SFX-supplied configuration for these will probably be what you need. Then activate the individual titles from providers from whom you get only selected titles. You may need to adjust coverage dates, called thresholds, for these. Activating sources is usually simply a matter of contacting the information service provider and asking them to add your SFX server address to your institution's profile.

Maintenance. Ongoing maintenance is required to ensure that the links stay current. SFX delivers a monthly knowledge base update. During setup you will have flagged providers (from whom you get everything) to update and activate automatically when the update is loaded. For providers from whom you get only selected titles, you have to activate, deactivate or tweak the configurations individually.

Bill will describe this process in more detail in a few minutes.

Currently, if you want to use your SFX data to add an A-Z journal list, you will also need to get and manipulate files with:

- Access/SQL
- Excel
- Word
- Unicode
- The scripting language used by your web server

(This should change with SFX Version 3, which will have enhanced A-Z capabilities.)

Currently, if you want to use your SFX data to add an A-Z journal list to your web presence, you will also need to get and manipulate files with:

Access/SQL (Structured Query Language)

Excel

Word

Unicode

The scripting language used by your web server

This may change in the near future with version 3, when tools for creating the A-Z list will be added to KBManager.

If you want to add bibliographic records to your catalog:

- MARCIt! service
- Your system's batchloading utility
- A program like MarcEdit

If you want to add bibliographic records to your catalog, SFX has a MARC Enhancement Tool, in KBManager, called **MARCIt!** which you can use to download a file of MaRC records for all your activated titles. You then use **your system's batch loading utility** to import them into your catalog. Depending on which system you have, you may also need to use a program like **MarcEdit** to adapt the records before you import them.

Monthly Update package for SFX includes:

- **New Targets**
 - Latest update included the addition of the new ERIC as well as Mary Ann Liebert Publishing
- **New Sources**
 - Latest update added Computing Reviews
- **Updated Documentation**
 - Revised Target and Source Configuration Guides
- **Miscellaneous Changes**
 - Latest update adds option to disable the use of article title metadata in inbound links for targets using the Gale parser.

Ex Libris updates SFX each month. GALILEO currently applies the update to our shared and unique instances of SFX. Our systems staff currently regenerates our Electronic Journal Locator or A-Z list once a month after the update has been applied (or whenever this is necessary due to a large number of changes).

The update includes...

Mary Ann Liebert—Biotechnology titles. ACM Computing Reviews?

Gale parser change:

If you decide to enable this enhancement, any future inbound links to GaleGroup target databases will not use article-title metadata; these inbound links will use ISSN, Volume, Issue, Startpage and author last name. This amount of metadata is usually sufficient to reach the article.

5. The reason your library may wish to enable this option is if your librarians feel that there is an unacceptably high rate of failure creating successful links when the article title is included with inbound links to GaleGroup databases.

6. The results are dependent on what metadata is sent, and what articles in which databases your patrons are attempting to access. Some SFX sites have reported this problem frequently, while many other SFX sites have not reported problems at all. In general, we expect that there will be a drop in the number of unsuccessful searches, while there will be an increase in the number of less exact search-returns (the patron is presented with one or more articles to choose from at the Gale site).

7. If your patrons are not experiencing problems with SFX-to-Gale linking, we do not

- It's important to look over the user documentation for the monthly update when it's published.
- Changes to parsers and parse parameters, for example, can cause problems for many users if they aren't addressed as soon as the update is run.

Acquisitions currently reviews updates to check for any needed changes to be made (this can include activating new targets, etc.)

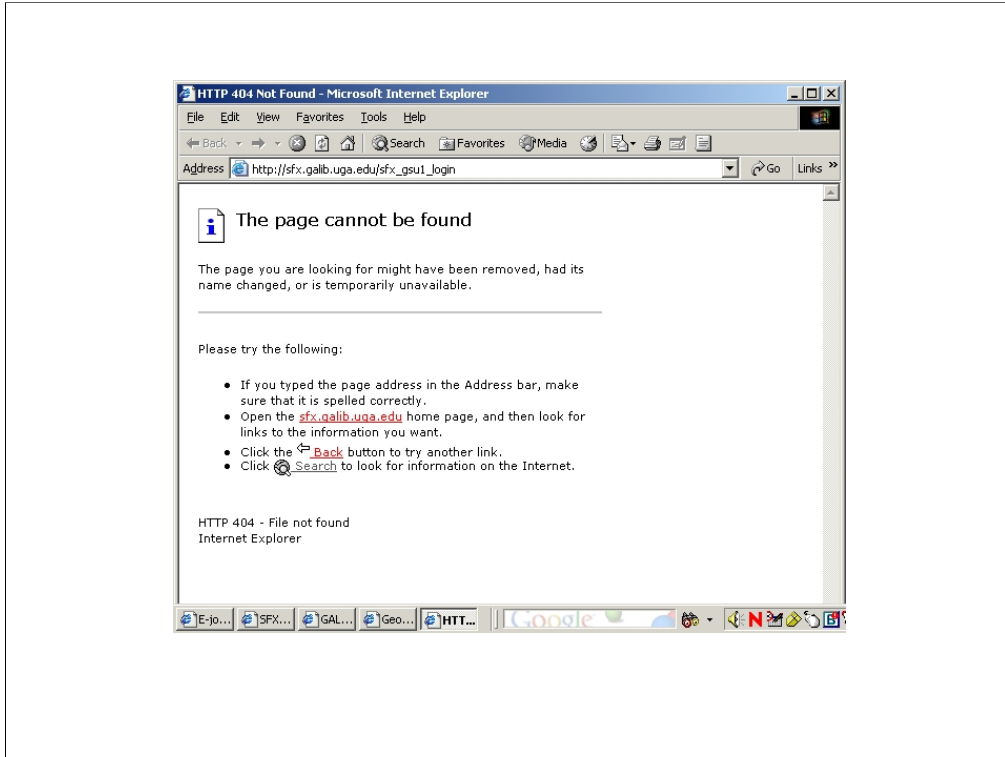
An example of this is a recent change to Project Muse

The screenshot shows a web browser window titled "Georgia State University Library - SFX - Microsoft Internet Explorer". The main content area displays a library record with the following details:

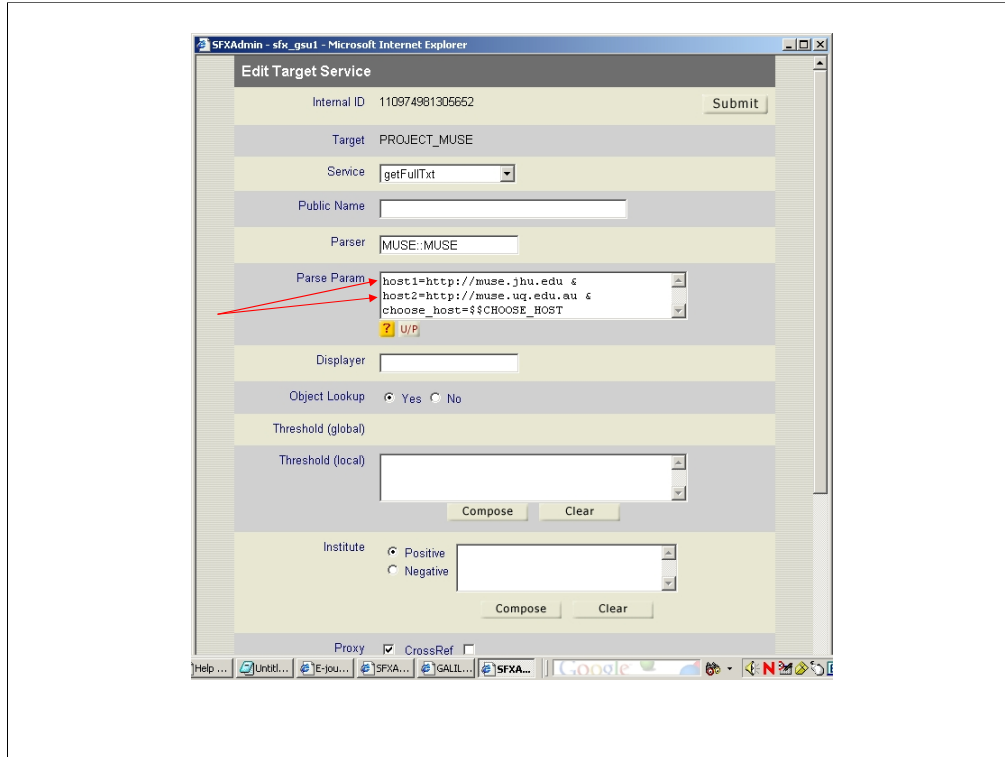
- Title:** WE 'RE COOL, MOM AND DAD ARE SWELL, BASIC SLANG AND GENERATIONAL SHIFTS IN VALUES.
- Source:** American speech [0003-1283] yr. 2004 vol. 79 iss. 1 pg. 59
- Full text available from:**
 - Ingenta Select**
Availability: from 2000 to 2004
year: 2004 volume: 79 issue: 1 start page: 59
Current issue may not be available.
 - Project Muse**
Availability: from 1999 volume 74 issue 3
year: 2004 volume: 79 issue: 1 start page: 59

A red arrow points from the text "Clicking this link resulted in the following error..." to the "Project Muse" link.

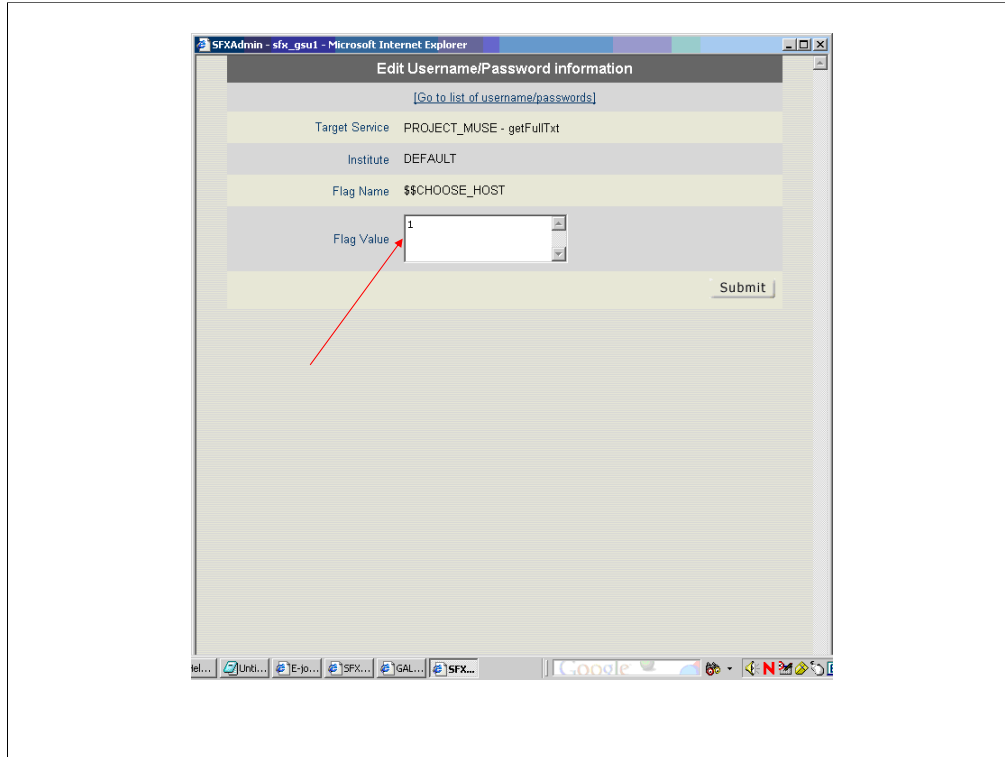
Very shortly after a monthly update was applied, a patron reported receiving an error when attempting to access an article from Project Muse.



When the clicked the Muse link on the SFX menu, they received a File not found error.

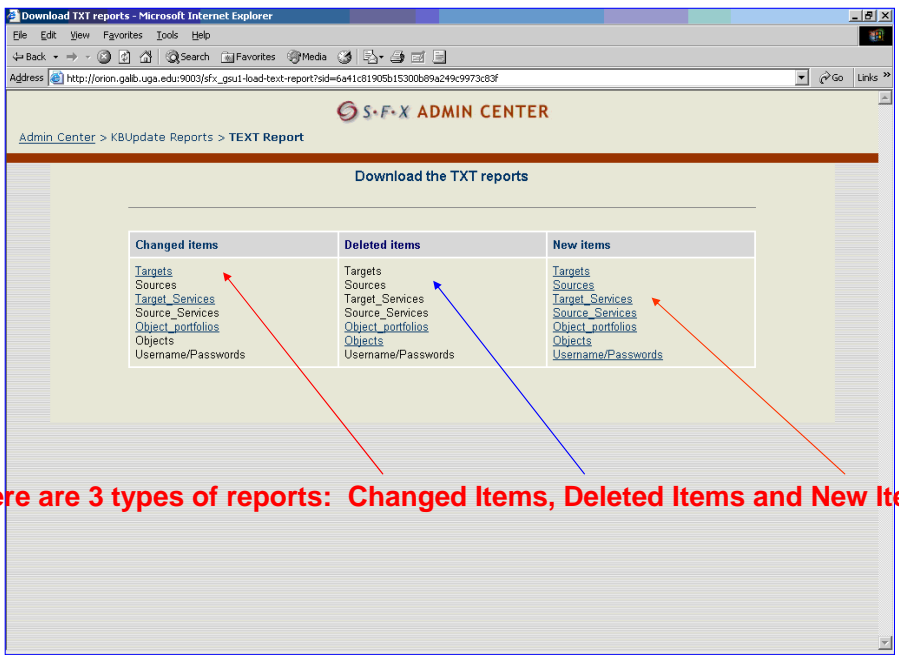


But the problem was easily fixed. With the monthly update, SFX had changed the Project Muse target service so that it offered a choice of 2 URL's (one for the U.S. and one for Australia) to access Muse (host 1 and host2).



Until either a 1 or 2 was entered in the Flag Value field (choosing access through either the U.S. or Australian site), the error message displayed when anyone attempted to access Project Muse through SFX. Adding the 1 solved the problem. We just hadn't gotten that far along through the update when the problem was reported. It's best to read through the update documentation as soon as it's available and to complete the update as quickly as possible.

- In addition to updated user documentation, Ex Libris also provides monthly Update Reports
- Although they are available from a directory on the server of the local instance, these reports can also be run from the SFX Admin Center



There are 3 types of reports: Changed Items, Deleted Items and New Items.

- These tab delimited reports may be opened in Excel
- The reports “contain detailed information about all new, changed and deleted items in the SFX instance. This information is specific to the SFX instance in which the update is run.”

	A	B	C	D	E	F	G	H	I
23183	Before Update	0738-6656	EBSCO_UK_EIRE_REFEREN	getTOC	\$obj->parsedDate(">="2001,undef,undef)	jkey=RAN	INACTIVE		
23184	After Update	0738-6656	EBSCO_UK_EIRE_REFEREN	getTOC	\$obj->parsedDate(">="1989,undef,undef)	jkey=RAN	INACTIVE		
23185	Before Update	0022-2364	ELSEVIER_SCIENCE_DIRE	getAbstract	\$obj->parsedDate(">="1995,undef,undef)		INACTIVE		
23186	After Update	0022-2364	ELSEVIER_SCIENCE_DIRE	getAbstract	\$obj->parsedDate(">="1995,undef,undef)	uis=1090-7	INACTIVE		
23187	Before Update	1526-0143	OCLC_PERIODICAL_ABSTR	getAbstract	\$obj->parsedDate(">="1997,undef,undef) && \$obj->parsedDate("<="2003,21,12)		INACTIVE		
23188	After Update	1526-0143	OCLC_PERIODICAL_ABSTR	getAbstract	\$obj->parsedDate(">="1997,undef,undef)		INACTIVE		
23189	Before Update	1085-2328	OCLC_BUSINESS_AND_IND	getFullTxt	\$obj->parsedDate("<="2003,8,9)		INACTIVE		
23190	After Update	1085-2328	OCLC_BUSINESS_AND_IND	getFullTxt	\$obj->parsedDate(">="1999,4,1) && \$obj->parsedDate("<="2003,8,9)		INACTIVE		
23191	Before Update	1523-4908	OCLC_BUSINESS_AND_IND	getFullTxt	\$obj->parsedDate(">="2004,30,3)		INACTIVE		
23192	After Update	1523-4908	OCLC_BUSINESS_AND_IND	getFullTxt	\$obj->parsedDate(">="2004,30,1)		INACTIVE		
23193	Before Update	0885-3134	OCLC_BUSINESS_AND_MA	getFullTxt	\$obj->parsedDate(">="2003,23,4)		INACTIVE		
23194	After Update	0885-3134	OCLC_BUSINESS_AND_MA	getFullTxt	\$obj->parsedDate(">="2003,23,1)		INACTIVE		
23195	Before Update	0957-4832	OVID_JOURNALS_AT_OVID	getFullTxt	\$obj->parsedDate(">="2001,23,1)	jkey=0000	INACTIVE		
23196	After Update	0957-4832	OVID_JOURNALS_AT_OVID	getFullTxt	\$obj->parsedDate(">="2001,23,1) && \$obj->parsedDate("<="2003,25,4)	jkey=0000	INACTIVE		
23197	Before Update	1382-6662	OVID_JOURNALS_AT_OVID	getFullTxt	\$obj->parsedDate(">="1997,1,1)	jkey=0013	INACTIVE		
23198	After Update	1382-6662	OVID_JOURNALS_AT_OVID	getFullTxt	\$obj->parsedDate(">="1997,1,1) && \$obj->parsedDate("<="2003,7,2)	jkey=0013	INACTIVE		
23199									
23200									
23201									
23202									
23203									

This is an example of a cleaned-up update report opened in Excel. This is the changed object portfolios report from the August 2004 update. Although it contains more than 23,000 lines, not all of these changes need to be looked at. As an example, the last update in the list shows SFX changing the threshold of a title to indicate coverage ends after 2003.

Ex Libris recommended procedure for processing the “changed” and “deleted” reports :

- Check those items not changed or deleted automatically. Manually change or delete if necessary.
- In general, SFX does not automatically changed or deleted items that have been customized locally.

a) The option 'Automatic Update', overrides the rule in the standard update procedure, which states that database items with local changes will not be updated or deleted automatically.

b) The option 'Automatic Update + Automatic Activation will override the following two rules in the standard update:

database items with local changes will not be updated or deleted automatically.

database items like TARGETS, TARGET_SERVICES and PORTFOLIOs which are added to the SFX database during the KUpdate are added as inactive (to prevent these new items from showing up in the SFX menu screen).

These two options are often used for aggregator databases such as EbscoHOST or Gale, because the library typically subscribes to the whole database (i.e. all journals within a particular TARGET_SERVICE), and the content in these databases changes frequently. The two options reduce the amount of manual work necessary after the KUpdate (activation of new database items and manual updates of locally changed database items).

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
4710	Deleted	1.11E+14	1-59124-46	KNOVEL	getFullTxt					key=675		INACTIVE	2E+13	
4711	Deleted	1.11E+14	1-59124-53	KNOVEL	getFullTxt					key=750		INACTIVE	2E+13	
4712	Deleted	1.11E+14	1-59124-56	KNOVEL	getFullTxt					key=762		INACTIVE	2E+13	
4713	Deleted	1.11E+14	1-59124-56	KNOVEL	getFullTxt					key=766		INACTIVE	2E+13	
4714	Deleted	1.11E+14	1-59124-56	KNOVEL	getFullTxt					key=770		INACTIVE	2E+13	
4715	Deleted	1.11E+14	1-59124-57	KNOVEL	getFullTxt					key=787		INACTIVE	2E+13	
4716	Deleted	1.11E+14	1-59124-57	KNOVEL	getFullTxt					key=789		INACTIVE	2E+13	
4717	Deleted	1.11E+14	1-59124-57	KNOVEL	getFullTxt					key=788		INACTIVE	2E+13	
4718	Deleted	1.11E+14	1520-765X	ELSEVIER	getFullTxt					\$obj->parsedDate(">=" ,2001,3,1)		INACTIVE	2E+13	
4719	Deleted connected to dele	1.11E+14	1.11E+14	DOAJ_DIR	getFullTxt					\$obj->parsedDate(">=" ,1999,undef,10) and key=http://cma.ca/c		ACTIVE	2E+13	
4720	not deleted local change	1.11E+14	0141-6707	SWETSW	getAbstract					\$obj->parsedDate(">=" ,1997,35,1)		INACTIVE	2E+13	
4721	not deleted local change	1.11E+14	0022-5365	AMERICA	getFullTxt					\$obj->parsedDate(">=" ,1964,1,1) key=JVSTAL		INACTIVE	2E+13	
4722	not deleted local change	1.11E+14	1472-7773	SWETSW	getFullTxt					\$obj->parsedDate(">=" ,1997,undef,10)		INACTIVE	2E+13	
4723	not deleted local change	1.11E+14	0033-8622	JOURNAL	getFullTxt					\$obj->parsedDate(">=" ,1995,88, key=00042106)		INACTIVE	2E+13	
4724														
4725														
4726														
4727														
4728														
4729														
4730														
4731														
4732														
4733														
4734														
4735														
4736														
4737														
4738														
4739														
4740														

Out of 4,700 plus deleted object portfolios in this monthly update, only 4 were not deleted automatically—so following the the Ex Libris recommended procedure, only a few items would need to be checked.

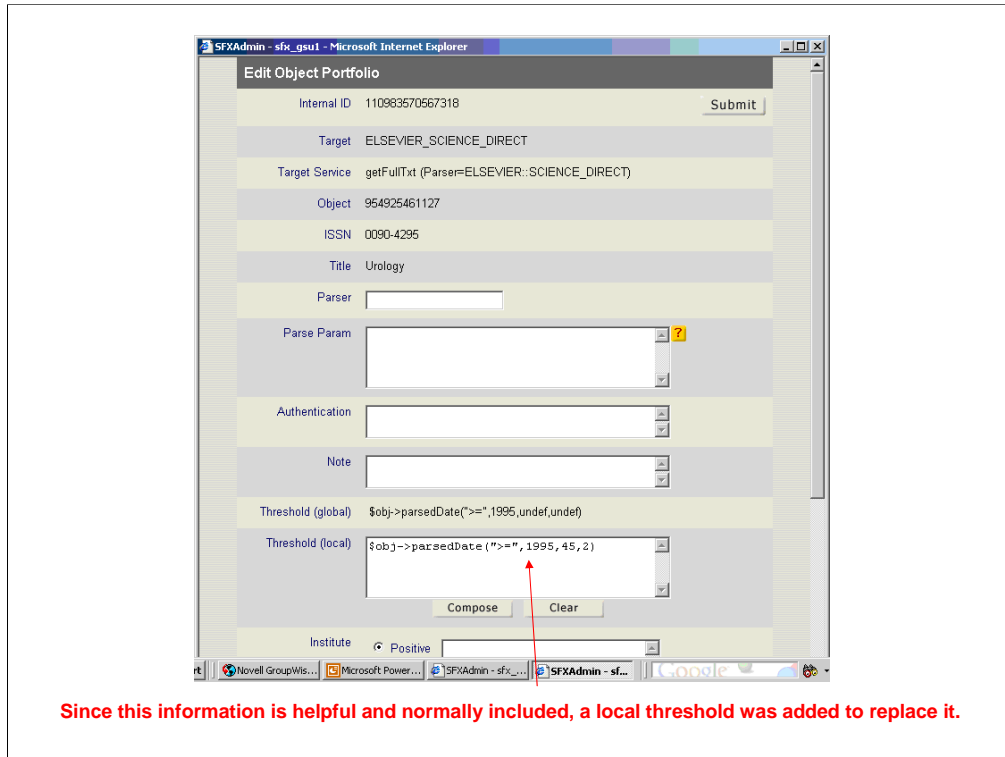
-
- In practice, you probably do need to look at more than just those items that weren't automatically changed or deleted.
 - For example, Georgia State currently looks (at least briefly) at any change made to an object portfolio that isn't associated with an aggregator. In particular, we look at titles that are subscribed to individually (like titles in ScienceDirect, Wiley InterScience, etc.).
-

Microsoft Excel - changed items_object portfolios Aug 2004.update

A	B	C	D	E	F
28	After Update	0894-9840	KLUWER_ACADEMIC	getFullTxt	\$obj->parsedDate(">=",1997,10,1)
29	Before Update	1093-5355	MISCELLANEOUS_FREE_EJOURNALS	getFullTxt	\$obj->parsedDate(">=",1996,11)
30	After Update	1093-5355	MISCELLANEOUS_FREE_EJOURNALS	getFullTxt	\$obj->parsedDate(">=",1996,1,1)
31	Before Update	0960-9622	ELSEVIER_SCIENCE_DIRECT	getFullTxt	\$obj->parsedDate(">=",1995,undef,undef)
32	After Update	0960-9622	ELSEVIER_SCIENCE_DIRECT	getFullTxt	\$obj->parsedDate(">=",1996,6,2)
33	Before Update	0735-1097	ELSEVIER_SCIENCE_DIRECT	getFullTxt	\$obj->parsedDate(">=",1996,4,3)
34	After Update	0735-1097	ELSEVIER_SCIENCE_DIRECT	getFullTxt	\$obj->parsedDate(">=",1995,25,1)
35	Before Update	1366-1425	ELSEVIER_SCIENCE_DIRECT	getFullTxt	\$obj->parsedDate(">=",1995,25,1)
36	After Update	1366-1425	ELSEVIER_SCIENCE_DIRECT	getFullTxt	\$obj->parsedDate(">=",1997,53,1)
37	Before Update	0960-7404	ELSEVIER_SCIENCE_DIRECT	getFullTxt	\$obj->parsedDate(">=",1995,51,1)
38	After Update	0960-7404	ELSEVIER_SCIENCE_DIRECT	getFullTxt	\$obj->parsedDate(">=",1995,undef,undef)
39	Before Update	0039-6257	ELSEVIER_SCIENCE_DIRECT	getFullTxt	\$obj->parsedDate(">=",1997,6,1)
40	After Update	0039-6257	ELSEVIER_SCIENCE_DIRECT	getFullTxt	\$obj->parsedDate(">=",1997,6,1)
41	Before Update	0090-4295	ELSEVIER_SCIENCE_DIRECT	getFullTxt	\$obj->parsedDate(">=",1995,undef,undef)
42	After Update	0090-4295	ELSEVIER_SCIENCE_DIRECT	getFullTxt	\$obj->parsedDate(">=",1996,41,1)
43	Before Update	0264-410X	ELSEVIER_SCIENCE_DIRECT	getFullTxt	\$obj->parsedDate(">=",1996,41,1)
44	After Update	0264-410X	ELSEVIER_SCIENCE_DIRECT	getFullTxt	\$obj->parsedDate(">=",1996,41,1)
45	Before Update	0144-2449	ELSEVIER_SCIENCE_DIRECT	getFullTxt	\$obj->parsedDate(">=",1995,15,1)
46	After Update	0144-2449	ELSEVIER_SCIENCE_DIRECT	getFullTxt	\$obj->parsedDate(">=",1995,15,1) && \$obj->parsedDate("<=",1997,19,6)
47	Before Update	0022-1007	HIGHWIRE_PRESS_FREE	getFullTxt	\$obj->parsedDate(">=",1995,undef,undef)
48	After Update	0022-1007	HIGHWIRE_PRESS_FREE	getFullTxt	\$obj->parsedDate(">=",1995,15,1) && \$obj->parsedDate("<=",1997,19,6)
49	Before Update	0022-1554	HIGHWIRE_PRESS_FREE	getFullTxt	\$obj->parsedDate(">=",1996,1,1) && \$obj->timediff(">",1y)
50	After Update	0022-1554	HIGHWIRE_PRESS_FREE	getFullTxt	\$obj->parsedDate(">=",1896,1,1) && \$obj->timediff(">",5m)
51	Before Update	0270-6474	HIGHWIRE_PRESS_FREE	getFullTxt	\$obj->parsedDate(">=",1997,45,1) && \$obj->timediff(">",2y)
	After Update	0270-6474	HIGHWIRE_PRESS_FREE	getFullTxt	\$obj->parsedDate(">=",1996,44,12) && \$obj->timediff(">",1y)
	Before Update	0270-6474	HIGHWIRE_PRESS_FREE	getFullTxt	\$obj->parsedDate(">=",1996,16,9) && \$obj->timediff(">",1,6m)

Update removed volume and number information for this title..

In the following update, SFX removed the volume and number information for the start date of coverage to the journal Urology in ScienceDirect.



Since this information is helpful and normally included, we added a local threshold to the object portfolio to replace this information.

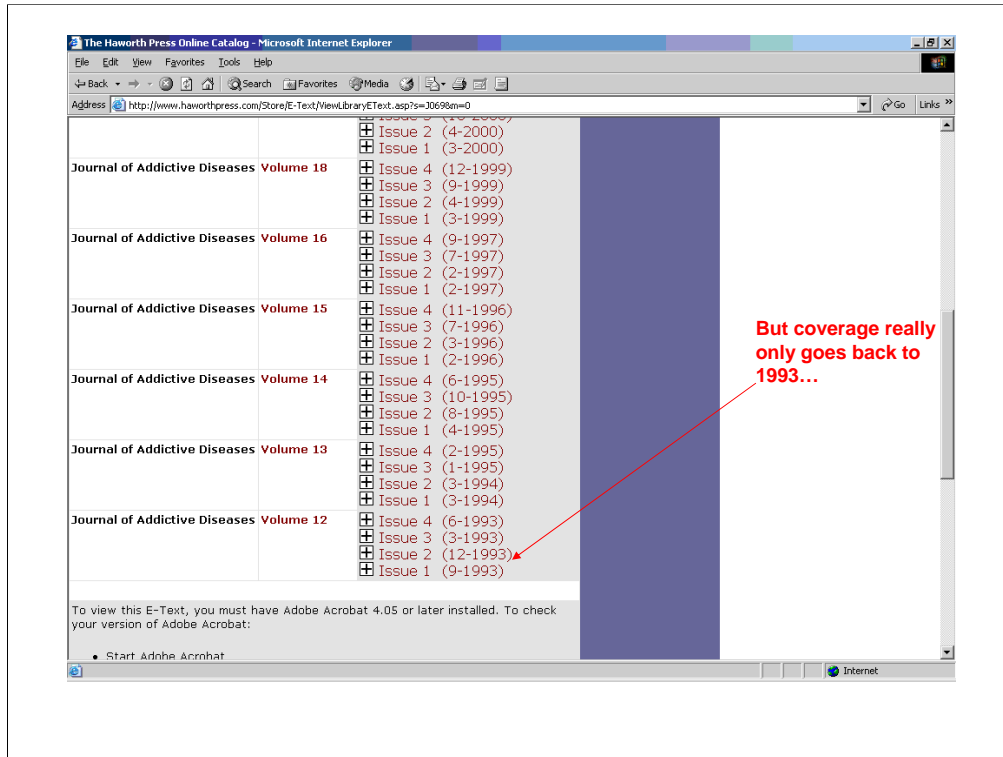
Microsoft Excel - update_june_2004_changed_items_object_portfoliosupdate

	A	B	C	D	E
295	Before Update	0022-1503	OXFORD_UNIVERSITY_PRESS	getFullTtxt	\$obj->parsedDate(>=, 1998, 89, 1)
296	After Update	0022-1503	OXFORD_UNIVERSITY_PRESS	getFullTtxt	\$obj->parsedDate(>=, 1998, 89, 1)
297	Before Update	0030-7653	OXFORD_UNIVERSITY_PRESS	getFullTtxt	\$obj->parsedDate(>=, 1998, 50, 4)
298	After Update	0030-7653	OXFORD_UNIVERSITY_PRESS	getFullTtxt	\$obj->parsedDate(>=, 1998, 50, 4)
299	Before Update	0146-2679	HAWORTH_PRESS	getFullTtxt	\$obj->parsedDate(>=, 1998, 23, 3) && \$obj->parsedDate(<=, 2002, 26, undef)
300	After Update	0146-2679	HAWORTH_PRESS	getFullTtxt	\$obj->parsedDate(>=, 1998, 23, 3)
301	Before Update	0276-3877	HAWORTH_PRESS	getFullTtxt	\$obj->parsedDate(>=, 2001, 32, undef)
302	After Update	0276-3877	HAWORTH_PRESS	getFullTtxt	\$obj->parsedDate(>=, 1999, 30, 63)
303	Before Update	0361-526X	HAWORTH_PRESS	getFullTtxt	\$obj->parsedDate(>=, 1999, 36, undef)
304	After Update	0361-526X	HAWORTH_PRESS	getFullTtxt	\$obj->parsedDate(>=, 1999, 36, 1)
305	Before Update	0731-7115	HAWORTH_PRESS	getFullTtxt	\$obj->parsedDate(>=, 2002, 1, 1)
306	After Update	0731-7115	HAWORTH_PRESS	getFullTtxt	\$obj->parsedDate(>=, 1998, 19, 4)
307	Before Update	0894-6566	HAWORTH_PRESS	getFullTtxt	\$obj->parsedDate(>=, 2002, 1, 1)
308	After Update	0894-6566	HAWORTH_PRESS	getFullTtxt	\$obj->parsedDate(>=, 2001, 13, 1)
309	Before Update	0896-3568	HAWORTH_PRESS	getFullTtxt	\$obj->parsedDate(>=, 1998, 4, 1)
310	After Update	0896-3568	HAWORTH_PRESS	getFullTtxt	\$obj->parsedDate(>=, 1990, 1, 1)
311	Before Update	0897-4454	HAWORTH_PRESS	getFullTtxt	\$obj->parsedDate(>=, 1999, 10, 1)
312	After Update	0897-4454	HAWORTH_PRESS	getFullTtxt	\$obj->parsedDate(>=, 1999, 10, 2)
313	Before Update	1055-0887	HAWORTH_PRESS	getFullTtxt	\$obj->parsedDate(>=, 1993, 10, 1)
314	After Update	1055-0887	HAWORTH_PRESS	getFullTtxt	\$obj->parsedDate(>=, 1991, 10, 1)
315	Before Update	0021-9193	PUBMED_CENTRAL	getFullTtxt	\$obj->parsedDate(>=, 1916, 1, 1) && \$obj->timediff(>=, '6m)
316	After Update	0021-9193	PUBMED_CENTRAL	getFullTtxt	(\$obj->parsedDate(>=, 1916, 1, 1) && \$obj->parsedDate(<=, 1929, 18, 6)) (\$obj->
317	Before Update	0022-538X	PUBMED_CENTRAL	getFullTtxt	\$obj->parsedDate(>=, 1977, 7, 1) && \$obj->timediff(>=, '6m)
318	After Update	0022-538X	PUBMED_CENTRAL	getFullTtxt	\$obj->parsedDate(>=, 1967, 1, 1) && \$obj->timediff(>=, '6m)
319	Before Update	0261-4189	PUBMED_CENTRAL	getFullTtxt	\$obj->parsedDate(>=, 2001, 20, 1) && \$obj->timediff(>=, '1y)
320	After Update	0261-4189	PUBMED_CENTRAL	getFullTtxt	\$obj->parsedDate(>=, 2000, 19, 2) && \$obj->timediff(>=, '1y)
321	Before Update	1532-0073	DOAJ_DIRECTORY_OPEN_ACCES	getFullTtxt	\$obj->parsedDate(>=, 1998, undef, undef)
322	After Update	1532-0073	DOAJ_DIRECTORY_OPEN_ACCES	getFullTtxt	\$obj->parsedDate(>=, 1999, undef, undef)
323	Before Update	1219-4956	MISCELLANEOUS_FREE_EJOURN	getFullTtxt	\$obj->parsedDate(>=, 1999, 5, 1)
324	After Update	1219-4956	MISCELLANEOUS_FREE_EJOURN	getFullTtxt	\$obj->parsedDate(>=, 1995, 1, 1)
325	Before Update	0147-777X	REVIEWS_SCIENCE_DIRECT	getFullTtxt	

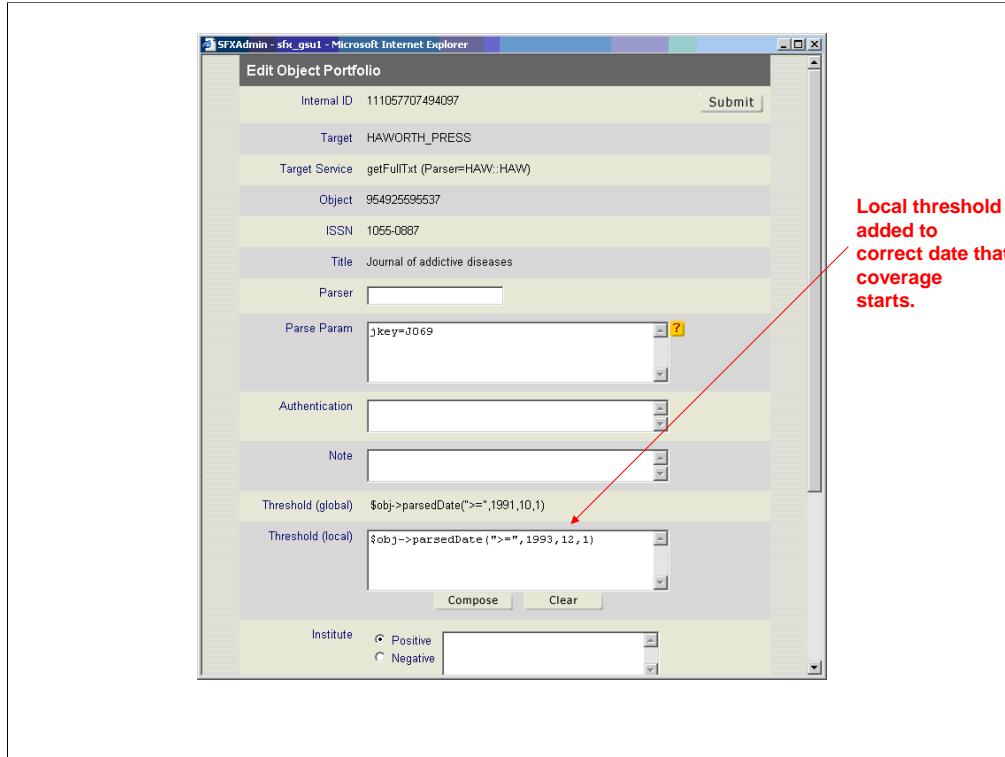
Ready Sum=2.00403E+13 NUM

Monthly update moved coverage of this title from 1993 onwards to 1991 onwards....

In this next example, the monthly SFX update coverage for the Journal of Addictive Diseases moved from a starting date of 1993 back to 1991.



But some investigation showed that our coverage really does only go back to 1993.



In this case, a local threshold was added to change starting date of coverage back to 1993. SFX was also notified so they can look at and fix the global threshold.

The screenshot shows an Excel spreadsheet with columns A through E. The data includes update dates, identifiers, publisher names, and formulas. A red arrow points from the status bar area to row 76, where the end date for 'ELSEVIER SCIENCE DIRECT' is updated from 1995 to 2002.

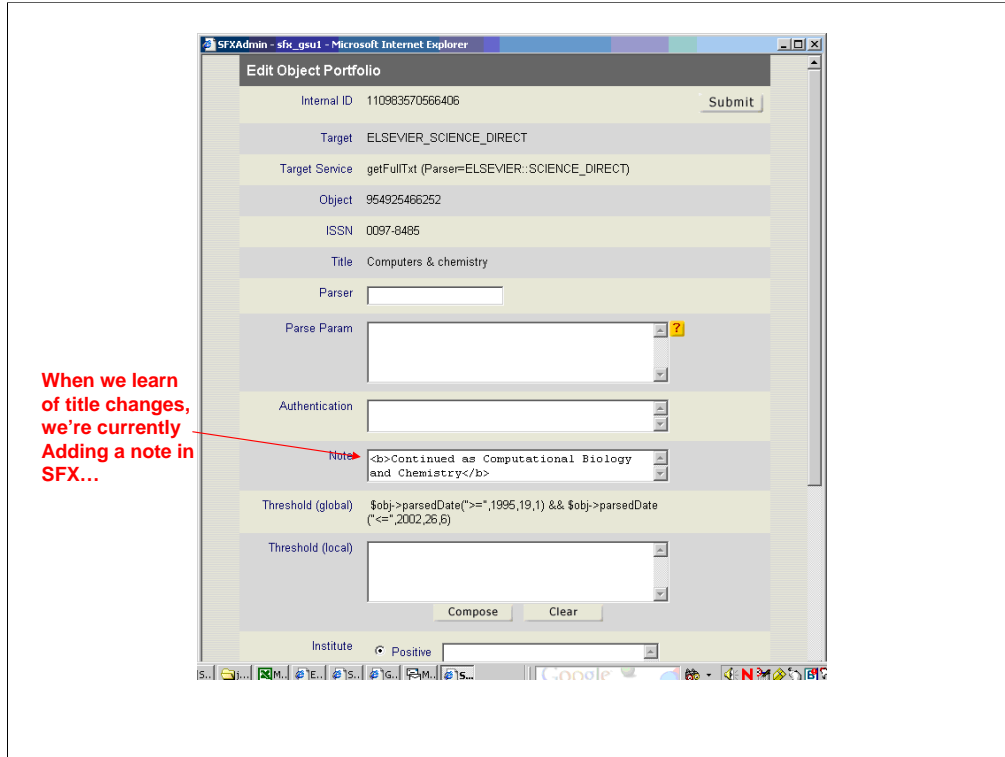
A	B	C	D	E
52	After Update	0272-4960	OXFORD UNIVERSITY PRESS	getFullTxt \$obj->parsedDate(">=";1998,60,1)
53	Before Update	0272-4979	OXFORD UNIVERSITY PRESS	getFullTxt \$obj->parsedDate(">=";1998,18,1)
54	After Update	0272-4979	OXFORD UNIVERSITY PRESS	getFullTxt \$obj->parsedDate(">=";1998,18,1)
55	Before Update	0026-4423	OXFORD UNIVERSITY PRESS	getFullTxt \$obj->parsedDate(">=";1997,105,419)
56	After Update	0026-4423	OXFORD UNIVERSITY PRESS	getFullTxt \$obj->parsedDate(">=";1997,105,419)
57	Before Update	0033-5606	OXFORD UNIVERSITY PRESS	getFullTxt \$obj->parsedDate(">=";1998,49,193)
58	After Update	0033-5606	OXFORD UNIVERSITY PRESS	getFullTxt \$obj->parsedDate(">=";1998,49,193)
59	Before Update	8756-0437	WILEY INTERSCIENCE	getFullTxt \$obj->parsedDate(">=";1997,13,1)
60	After Update	8756-0437	WILEY INTERSCIENCE	getFullTxt \$obj->parsedDate(">=";1996,12,1) && \$obj->parsedDate("<=";2003,21,4)
61	Before Update	1438-5163	WILEY INTERSCIENCE	getFullTxt \$obj->parsedDate(">=";2000,1,1)
62	After Update	1438-5163	WILEY INTERSCIENCE	getFullTxt \$obj->parsedDate(">=";2000,1,1) && \$obj->parsedDate("<=";2003,3,6)
63	Before Update	0950-382X	SYNERGY	getFullTxt \$obj->parsedDate(">=";1998,27,1)
64	After Update	0950-382X	SYNERGY	getFullTxt \$obj->parsedDate(">=";1995,17,4)
65	Before Update	8756-0437	WILEY INTERSCIENCE	getTOC \$obj->parsedDate(">=";1996,12,1)
66	After Update	8756-0437	WILEY INTERSCIENCE	getTOC \$obj->parsedDate(">=";1996,12,1) && \$obj->parsedDate("<=";2003,21,4)
67	Before Update	1438-5163	WILEY INTERSCIENCE	getTOC \$obj->parsedDate(">=";2000,1,1)
68	After Update	1438-5163	WILEY INTERSCIENCE	getTOC \$obj->parsedDate(">=";2000,1,1) && \$obj->parsedDate("<=";2003,3,6)
69	Before Update	0004-6361	SPRINGER LINK JOURNALS	getFullTxt \$obj->parsedDate(">=";1996,315,2) && \$obj->parsedDate("<=";2000,364,2)
70	After Update	0004-6361	SPRINGER LINK JOURNALS	getFullTxt \$obj->parsedDate(">=";1996,315,2) && \$obj->parsedDate("<=";2000,364,2)
71	Before Update	0003-6936	OPTICAL SOCIETY OF AMERICA	getFullTxt \$obj->parsedDate(">=";1962,1,2)
72	After Update	0003-6936	OPTICAL SOCIETY OF AMERICA	getFullTxt \$obj->parsedDate(">=";1962,1,1)
73	Before Update	0003-4978	ELSEVIER SCIENCE DIRECT	getFullTxt \$obj->parsedDate(">=";1995,39,3) && \$obj->parsedDate("<=";2001,45,6)
74	After Update	0003-4978	ELSEVIER SCIENCE DIRECT	getFullTxt \$obj->parsedDate(">=";1995,39,1) && \$obj->parsedDate("<=";2001,45,6)
75	Before Update	0097-8485	ELSEVIER SCIENCE DIRECT	getFullTxt \$obj->parsedDate(">=";1995,undef,undef)
76	After Update	0097-8485	ELSEVIER SCIENCE DIRECT	getFullTxt \$obj->parsedDate(">=";1996,19,1) && \$obj->parsedDate("<=";2002,26,6)
77	Before Update	0960-9822	ELSEVIER SCIENCE DIRECT	getFullTxt \$obj->parsedDate(">=";1996,6,2)
78	After Update	0960-9822	ELSEVIER SCIENCE DIRECT	getFullTxt \$obj->parsedDate(">=";1995,undef,undef)
79	Before Update	0140-6736	ELSEVIER SCIENCE DIRECT	getFullTxt \$obj->parsedDate(">=";1995,undef,undef)
80	After Update	0140-6736	ELSEVIER SCIENCE DIRECT	getFullTxt \$obj->parsedDate(">=";1995,undef,undef)
81	Before Update	0090-4295	ELSEVIER SCIENCE DIRECT	getFullTxt \$obj->parsedDate(">=";1995,undef,undef)
82	After Update	0090-4295	ELSEVIER SCIENCE DIRECT	getFullTxt \$obj->parsedDate(">=";1995,45,2)

Update changed threshold to add an end date of 2002 to coverage...

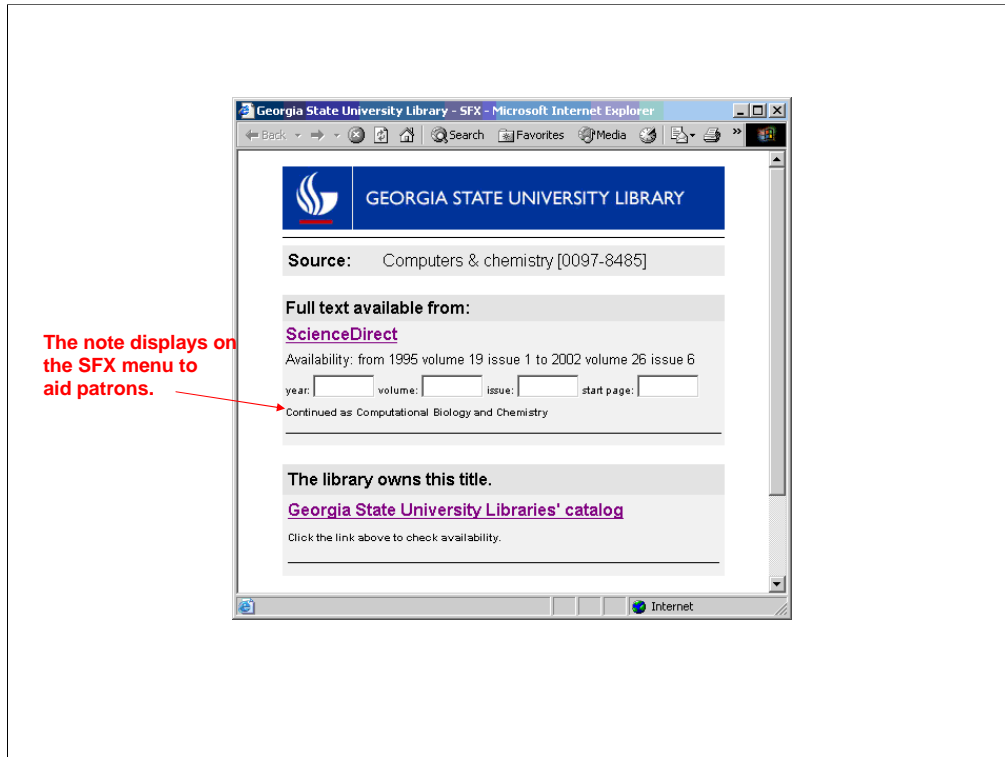
This next example is a case where the SFX monthly update added an ending date for coverage to the title Computers & Chemistry. It's especially important to take a look at changes like this—they often are the result of a title change.

The screenshot shows the ScienceDirect website interface in Microsoft Internet Explorer. The browser title is "ScienceDirect - Computers & Chemistry - List of Issues - Microsoft Internet Explorer". The address bar shows the URL: http://www.sciencedirect.com/science?_ob=JournalURL&cd=52368_auth=y&acct=C0000340988_version=18_urVersion=0&userid=6551188md5=36d45d2f3f4ad696ef. The page header includes the ScienceDirect logo, a "Register or Login" section, and navigation tabs: Home, Search, Journals, Abstract Databases, Books, Reference Works, My Profile, Alerts, and Help. A "Quick Search" field is present with a dropdown menu set to "within This Journal" and a "Search Tips" link. The main content area is titled "Computers & Chemistry" and includes a copyright notice: "Copyright © 2004 Elsevier B.V. All rights reserved. Bookmark this page as: <http://www.sciencedirect.com/science/journal/09773482>". Below this, it states "Continued as [Computational Biology and Chemistry](#)". There are three subscription options: "subscribed", "non-subscribed", and "complimentary". A list of issues is displayed, starting with "Volume 26" and including "Volume 26, Issue 6" through "Volume 26, Issue 1". A red arrow points from the text "These are often updated due to a title change" to the link for "Computational Biology and Chemistry". On the right side, there is a "Alert me when new Journal Issues are available" section with a "Submit" button and a "Tips" link. Below this is a thumbnail image of the journal cover for "Computers & Chemistry" with links for "More Publication Info" and "Information for Authors". The browser status bar at the bottom shows "Done" and "Internet".

Here we see ScienceDirect indicate that Computers & Chemistry changed title after volume 26, issue 5 to Computational Biology and Chemistry



Currently, when we learn of title changes, we add a note to the object portfolio in SFX



The note displays on the SFX menu to aid patrons interested in additional volumes. Depending on local procedures for handling title changes, libraries may obviously need to do some additional checking/editing to title lists, etc.

Help Desk - Problem Details - Microsoft Internet Explorer

Address: <http://www.library.gsu.edu/intranet/helpdesk/lib/details.asp?id=323>

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Details for Problem 323 [Printer Friendly](#)

Problem ID: 323
Start Date: 12/12/2003 3:20:27 PM
Close Date: 12/15/2003 9:05:26 AM
Category: E-Journal/SFX Problems

Problem Information:

Title:
 Missing Journals in SFXEJL (B)

Description:

1. *Biochimica et Biophysica Acta. General Subjects*, which is in SFX
2. Biomedicine & Pharmacotherapy (1995+)
3. **Biochimica et Biophysica Acta General Subjects (1995+)**
4. Biochimica et Biophysica Acta Protein Structure and Molecular Enzymology (1995-June 2002), now BBA Proteins and Proteomics, which is in SEV

Notes:
 No Available Notes

Solution:

Biochimica et Biophysica Acta General Subjects (1995+) was in SFX & E Journal Locator under General Subjects. Changed title temporarily in E-Journal Locator and requested the BBA info. be added to SFX.

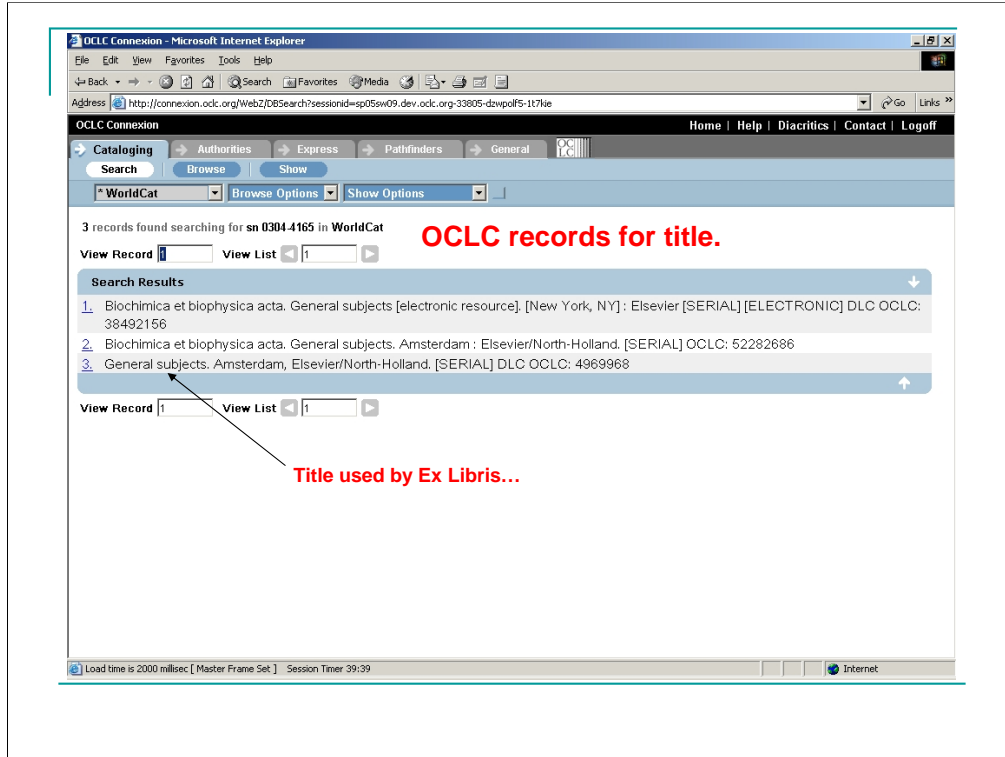
Biochimica et Biophysica Acta Protein Structure and Molecular

Logout
User Menu
Rep Menu
 Search the Knowledge Base

Biochimica et Biophysica Acta. General Subjects reported as missing from E-Journal Locator...

Title was actually there, but it was listed as General Subjects.

This next example is a problem one of our Reference librarians submitted to the HelpDesk about a title missing from our e-journal locator. In this case, the title *Biochimica et Biophysica Acta. General Subjects* actually was there, but was listed only as General Subjects.



These are the OCLC records for the title.

010 sn 86008837

040 YNG †c YNG †d AIP †d OCL †d AIP †d NST †d OCL †d NST †d NSD †d OCL †d OCLCQ †d GUA

012 †i 8802 †j P †m 1

016 7_ B1534000 †2 DNLM

019 3614215

022 0304-4165

032 008844 †b USPS

042 nsdp

090 QD1 †b .B55

210 0_ Biochim. biophys. acta (G)

222 _0 Biochimica et biophysica acta (G)

245 00 General subjects.

246 13 Biochimica et biophysica acta. †p General subjects

260 Amsterdam, †b Elsevier/North-Holland.

300 v. †c 24 cm.

310 Irregular

362 1_ Began with v. 82, no. 1 (Jan. 13, 1964).

515 Shares vol. numbering with the other topical sections of Biochimica et biophysica acta: Biomembranes; Gene structure and expression; Lipids and lipid metabolism (called Dec. 1998- : Molecular and cell biology of lipids); Molecular basis of disease; Molecular cell research; Protein structure and molecular enzymology (called July 2002- : Proteins and proteomics); Reviews on biomembranes (until May 2002); and: Reviews on cancer.

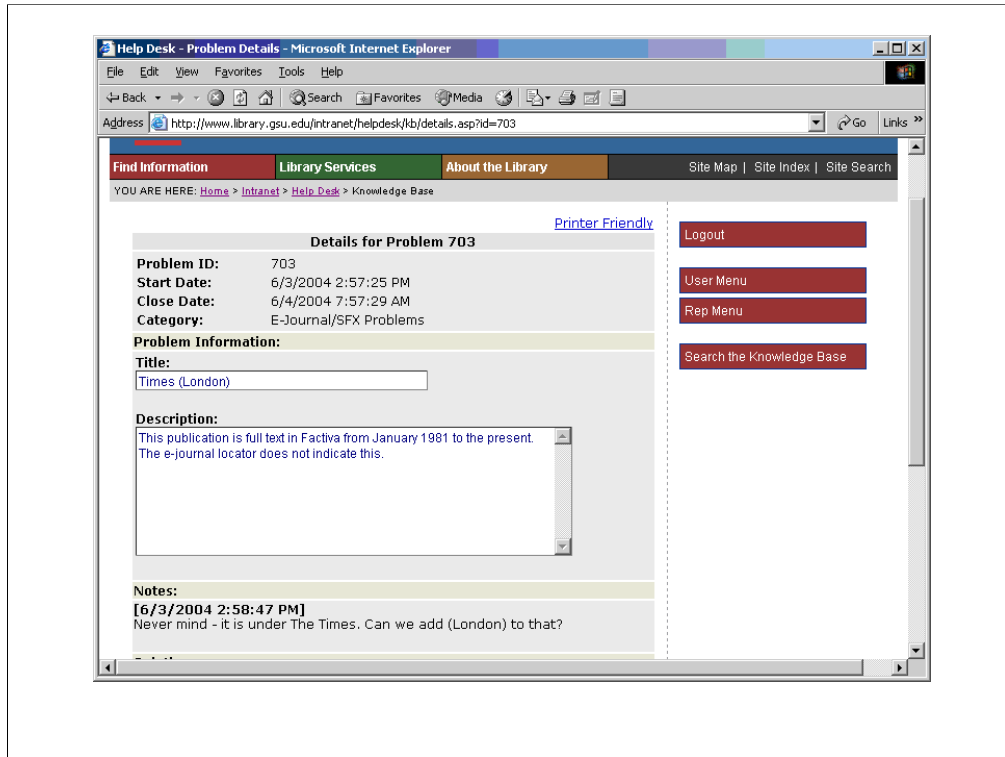
530 Also available to subscribers in an online version.

776 1_ †t Biochimica et biophysica acta. General subjects †w (DLC) 2003233285 †w (OCoLC)38492156

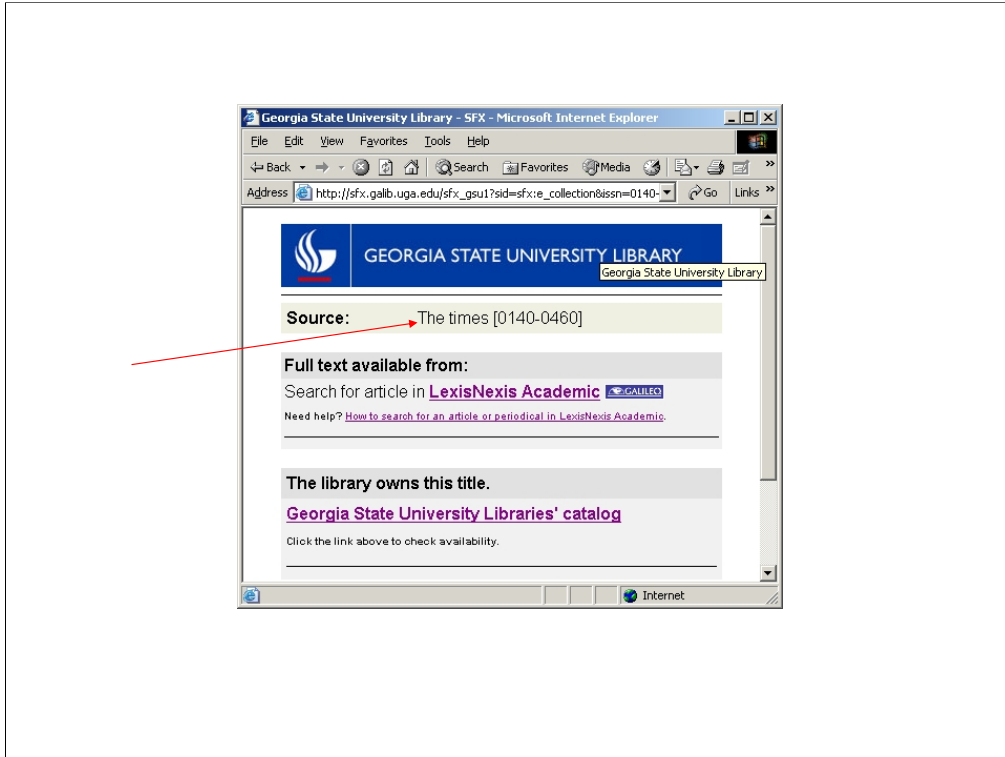
Ex Libris was listing only the information from the 245.

Needed to request they add clarifying info. of varying form of title.

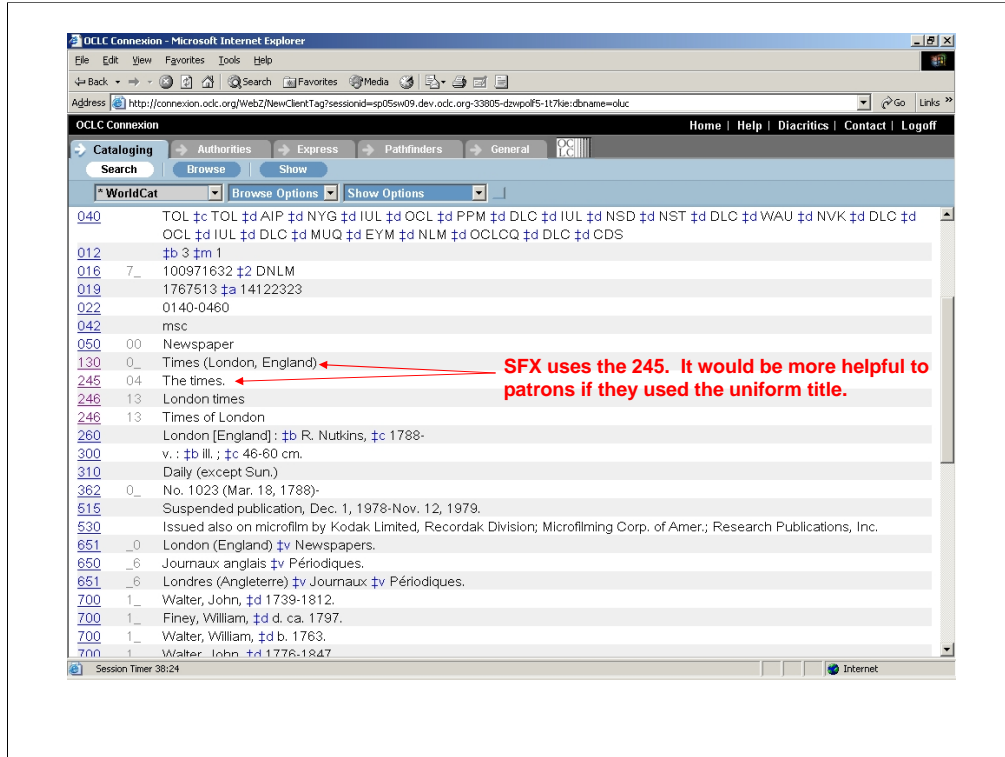
Ex Libris was actually only using the information from the 245. We needed to request that the add the clarifying information found in the varying form of the title.



This is another example of a HelpDesk problem submitted by a reference librarian over a title missing from our E-Journal Locator. In this case, the person who submitted the problem quickly noted that the title they were looking for (The Times of London) actually was there, but listed as only The Times.



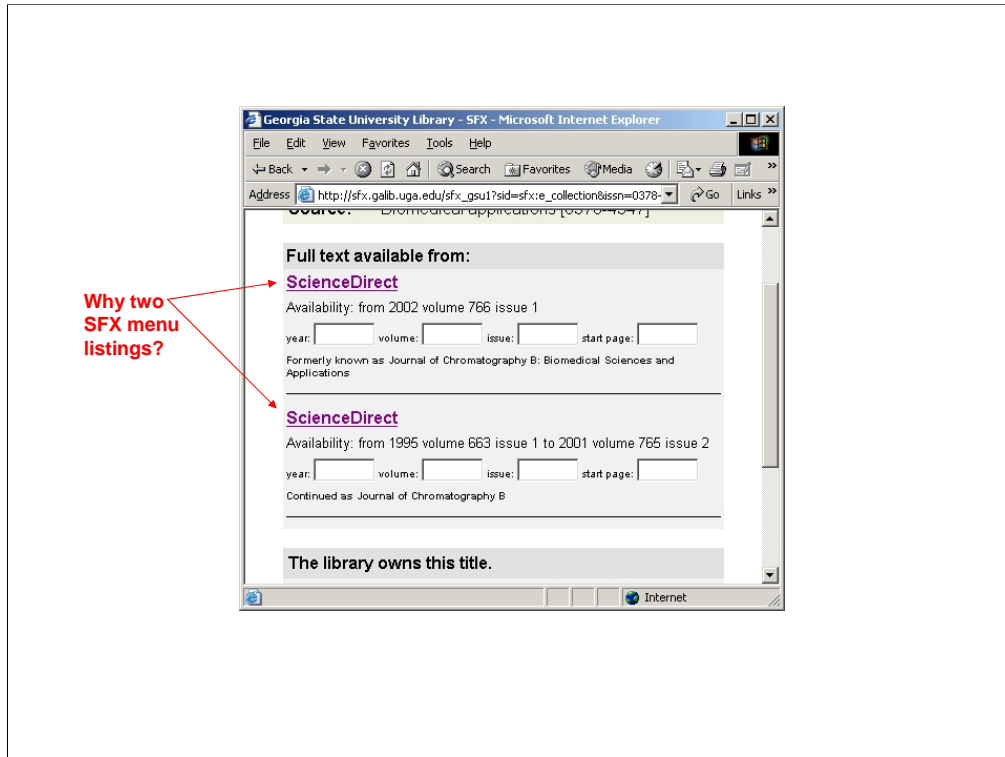
Here's how that title displays on the SFX menu.



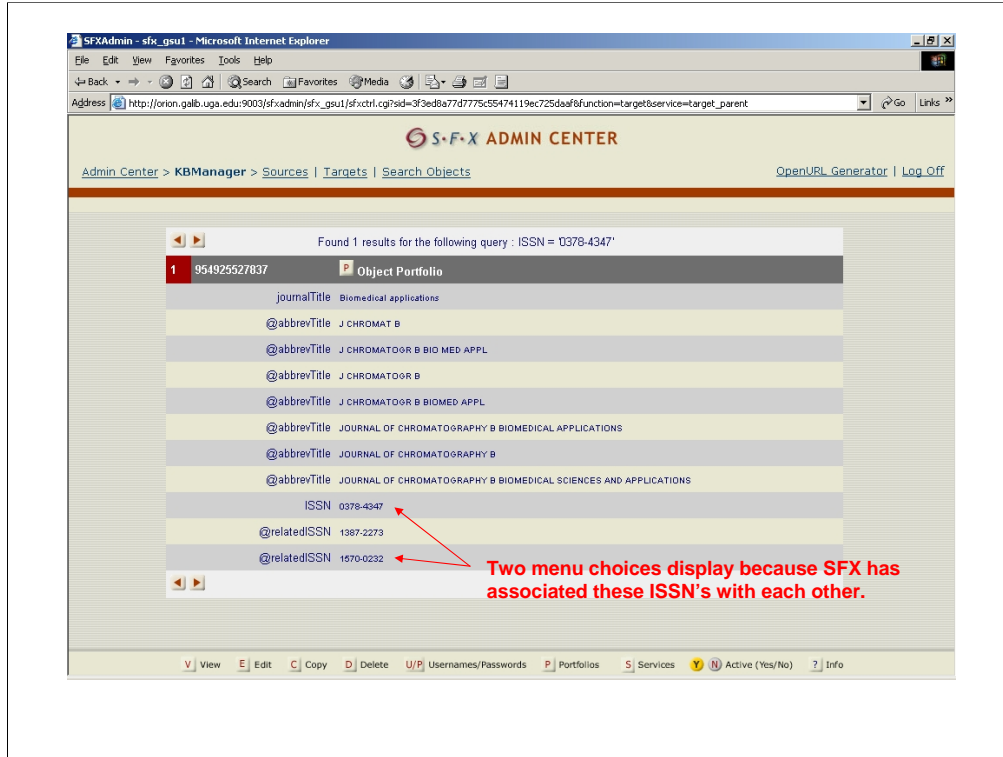
Again, in this case SFX is only using the information found in the 245. It actually might be more helpful for patrons for them to display the uniform title.

	A	B	C	D	E
E10580					\$obj->parsedDate(">=",1996,4,3)
10578	After Update	1355-8005	INGENTA_SELECT	getAbstrac	\$obj->parsedDate(">=",2000,37,1) && \$obj->parsedDate("<=",2000,37,4)
10579	Before Update	0003-6935	OPTICAL_SOCIETY_OF_AMER	getFullTxt	\$obj->parsedDate(">=",1962,1,1)
10580	After Update	0003-6935	OPTICAL_SOCIETY_OF_AMER	getFullTxt	\$obj->parsedDate(">=",1962,1,1)
10581	Before Update	0014-5793	ELSEVIER_SCIENCE_DIRECT	getFullTxt	\$obj->parsedDate(">=",1995,undef,undef)
10582	After Update	0014-5793	ELSEVIER_SCIENCE_DIRECT	getFullTxt	\$obj->parsedDate(">=",1968,1,1)
10583	Before Update	0378-4347	ELSEVIER_SCIENCE_DIRECT	getFullTxt	\$obj->parsedDate(">=",1995,undef,undef) && \$obj->parsedDate("<=",2001,undef,undef)
10584	After Update	0378-4347	ELSEVIER_SCIENCE_DIRECT	getFullTxt	\$obj->parsedDate(">=",1995,undef,undef) && \$obj->parsedDate("<=",2001,undef,undef)
10585	Before Update	0735-1097	ELSEVIER_SCIENCE_DIRECT	getFullTxt	\$obj->parsedDate(">=",1996,25,1)
10586	After Update	0735-1097	ELSEVIER_SCIENCE_DIRECT	getFullTxt	\$obj->parsedDate(">=",1996,4,3)
10587	Before Update	1353-2561	ELSEVIER_SCIENCE_DIRECT	getFullTxt	\$obj->parsedDate(">=",1995,undef,undef)
10588	After Update	1353-2561	ELSEVIER_SCIENCE_DIRECT	getFullTxt	\$obj->parsedDate(">=",1995,undef,undef) && \$obj->parsedDate("<=",2003,8,5)
10589	Before Update	0969-2126	ELSEVIER_SCIENCE_DIRECT	getFullTxt	\$obj->parsedDate(">=",1996,4,3)
10590	After Update	0969-2126	ELSEVIER_SCIENCE_DIRECT	getFullTxt	\$obj->parsedDate(">=",1995,undef,undef)
10591	Before Update	1470-3297	INGENTA_SELECT	getFullTxt	\$obj->parsedDate(">=",2001,undef,undef)
10592	After Update	1470-3297	INGENTA_SELECT	getFullTxt	\$obj->parsedDate(">=",2001,38,1)
10593	Before Update	0168-8278	ELSEVIER_SCIENCE_DIRECT	getFullTxt	\$obj->parsedDate(">=",1995,undef,undef)
10594	After Update	0168-8278	ELSEVIER_SCIENCE_DIRECT	getFullTxt	\$obj->parsedDate(">=",1995,22,1)
10595	Before Update	0360-0300	PROQUEST_ABI_INFORM_GLC	getFullTxt	\$obj->parsedDate(">=",1990,undef,undef) && \$obj->parsedDate("<=",2000,undef,undef)
10596	After Update	0360-0300	PROQUEST_ABI_INFORM_GLC	getFullTxt	\$obj->parsedDate(">=",1990,undef,undef) && \$obj->parsedDate("<=",2001,undef,undef)
10597	Before Update	0001-0762	PROQUEST_ABI_INFORM_GLC	getFullTxt	\$obj->parsedDate(">=",1991,undef,undef) && \$obj->parsedDate("<=",2000,undef,undef)
10598	After Update	0001-0762	PROQUEST_ABI_INFORM_GLC	getFullTxt	\$obj->parsedDate(">=",1991,undef,undef) && \$obj->parsedDate("<=",2001,undef,undef)
10599	Before Update	0004-5411	PROQUEST_ABI_INFORM_GLC	getFullTxt	\$obj->parsedDate(">=",1991,undef,undef) && \$obj->parsedDate("<=",2000,undef,undef)
10600	After Update	0004-5411	PROQUEST_ABI_INFORM_GLC	getFullTxt	\$obj->parsedDate(">=",1991,undef,undef) && \$obj->parsedDate("<=",2001,undef,undef)
10601	Before Update	0740-7750	KLUWER_ACADEMIC	getFullTxt	\$obj->parsedDate(">=",1999,25,3)
10602	After Update	0740-7750	KLUWER_ACADEMIC	getFullTxt	\$obj->parsedDate(">=",1998,24,2) && \$obj->parsedDate("<=",2001,27,6)
10603	Before Update	0740-7750	KLUWER_ACADEMIC	getTOC	\$obj->parsedDate(">=",1999,25,3)
10604	After Update	0740-7750	KLUWER_ACADEMIC	getTOC	\$obj->parsedDate(">=",1998,24,2) && \$obj->parsedDate("<=",2001,27,6)
10605	Before Update	0002-9343	JOURNALS_OVID	getFullTxt	\$obj->parsedDate(">=",1993,94,1)
10606	After Update	0002-9343	JOURNALS_OVID	getFullTxt	\$obj->parsedDate(">=",1993,94,1) && \$obj->parsedDate("<=",2002,113,9)
10607	Before Update	0004-3591	JOURNALS_OVID	getFullTxt	\$obj->parsedDate(">=",1996,undef,undef)
10608	After Update	0004-3591	JOURNALS_OVID	getFullTxt	\$obj->parsedDate(">=",1996,7,1)

In this example, the monthly update added a closing date to the title Biomedical Applications in ScienceDirect. Again, this type of update will often be in response to a title change.

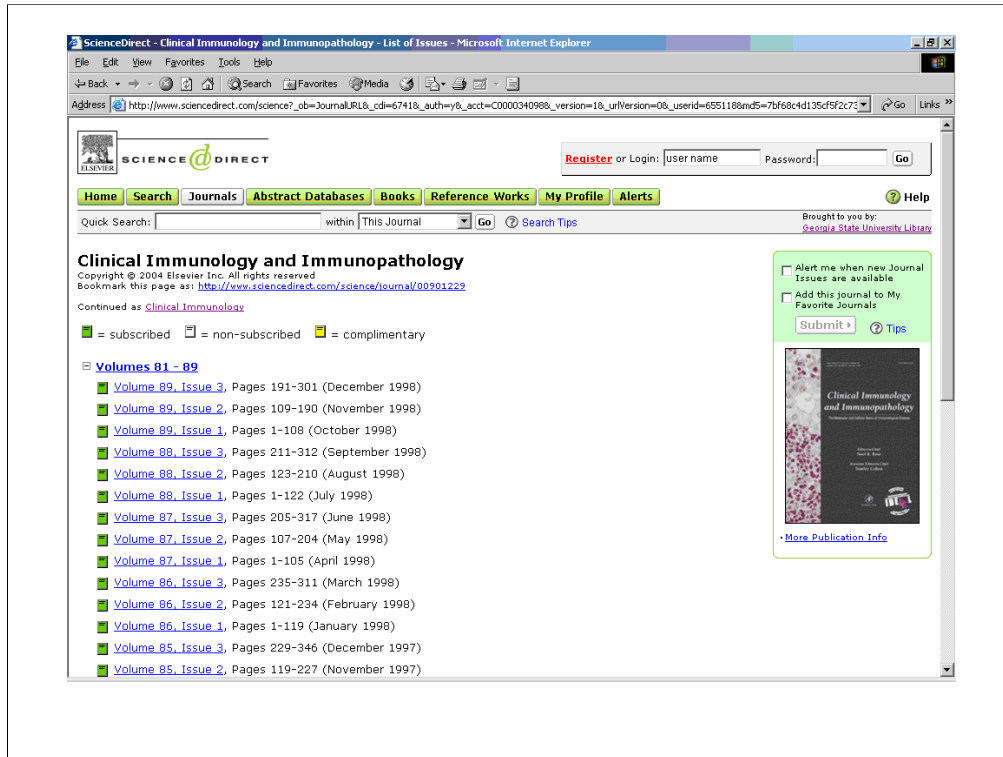


In researching this title, we noted that searching this ISSN in the citation linker without a date attached brings up two ScienceDirect choices—one for this title and one for the title that continues it.



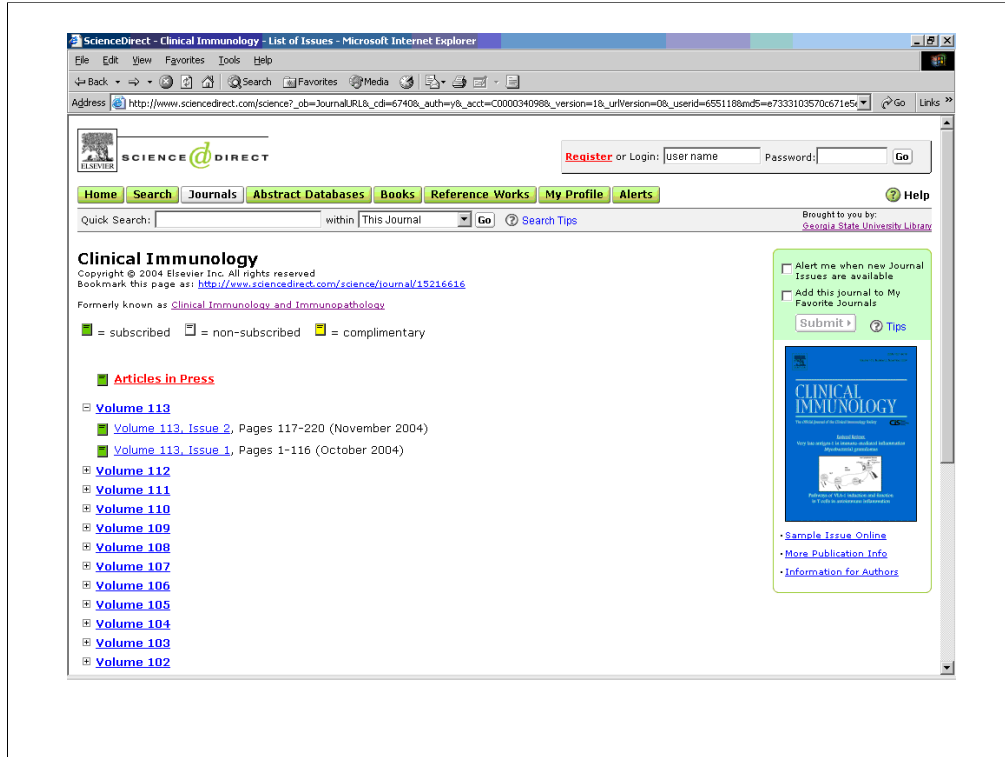
This was because SFX had included a related ISSN field to the object portfolio that connects the record for this title and the subsequent title. When someone looks for one, the menu includes both title choices. This can be confusing and is inconsistent with how SFX generally handles title changes.

To make this even more confusing, SFX includes another relatedISSN on this record. This 3rd ScienceDirect choice does not display on the menu because this object isn't active in our instance (it's actually a dead end—this ISSN isn't used in ScienceDirect and an active menu link for this ISSN takes the user to an error screen).

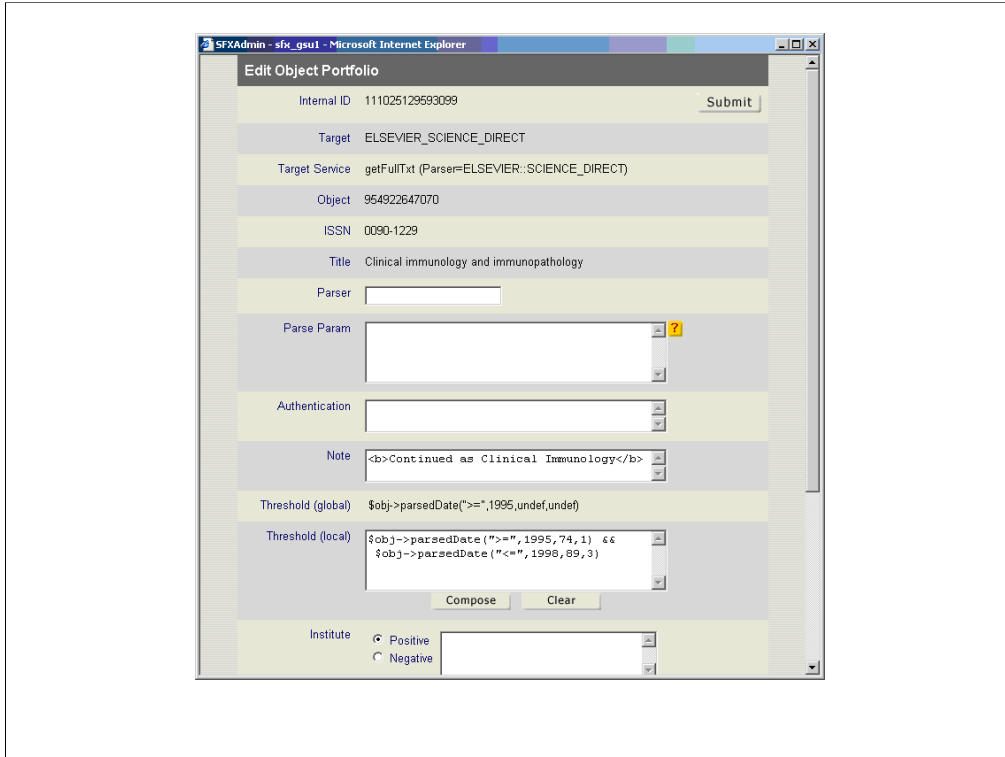


Just as an example, this is how SFX generally handles title changes for ScienceDirect. Here we have the title Clinical Immunology and Immunopathology.

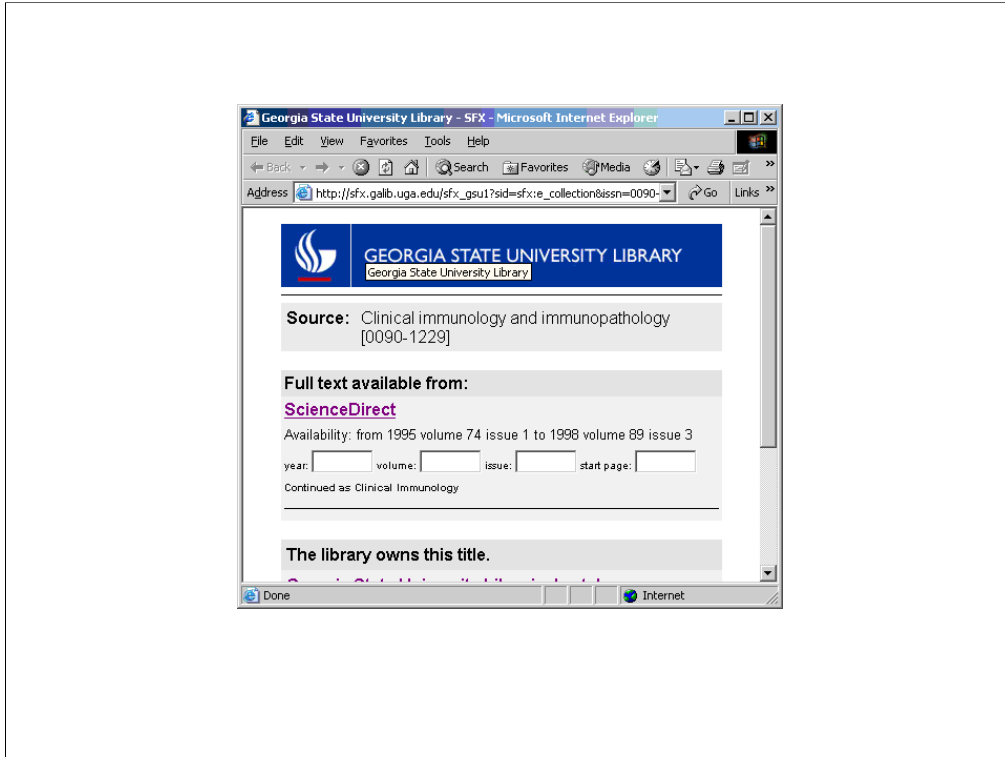
It is continued after December 1998 by the title Clinical Immunology.



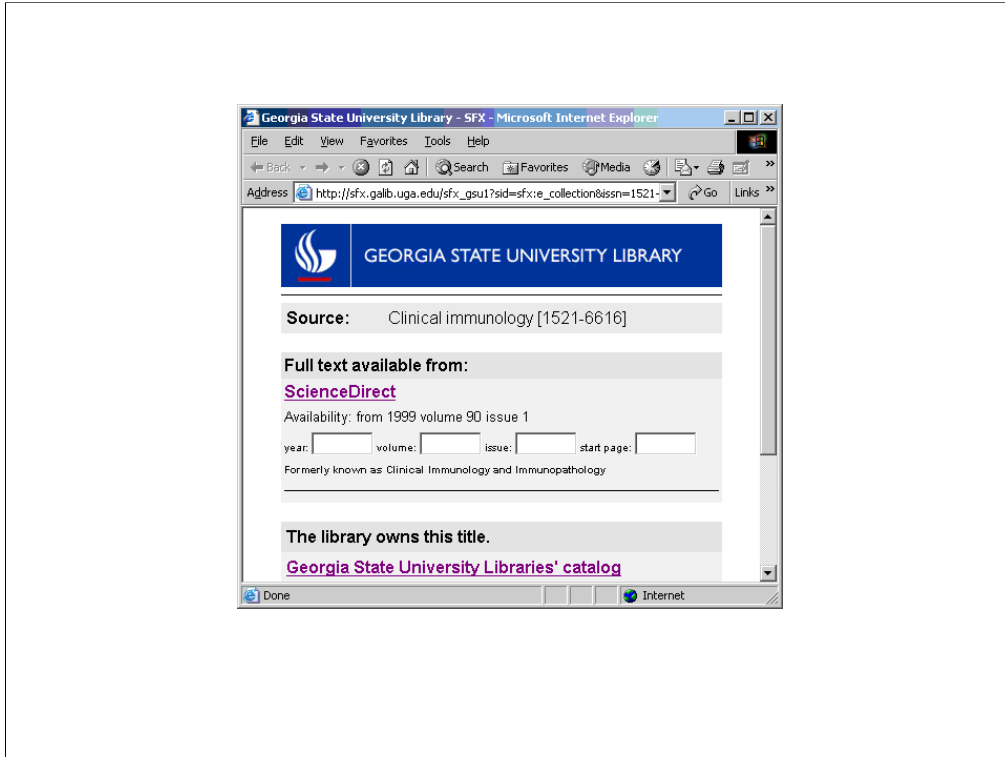
Here's the ScienceDirect page for Clinical Immunology; it notes that it was formerly known as Clinical Immunology and Immunopathology.



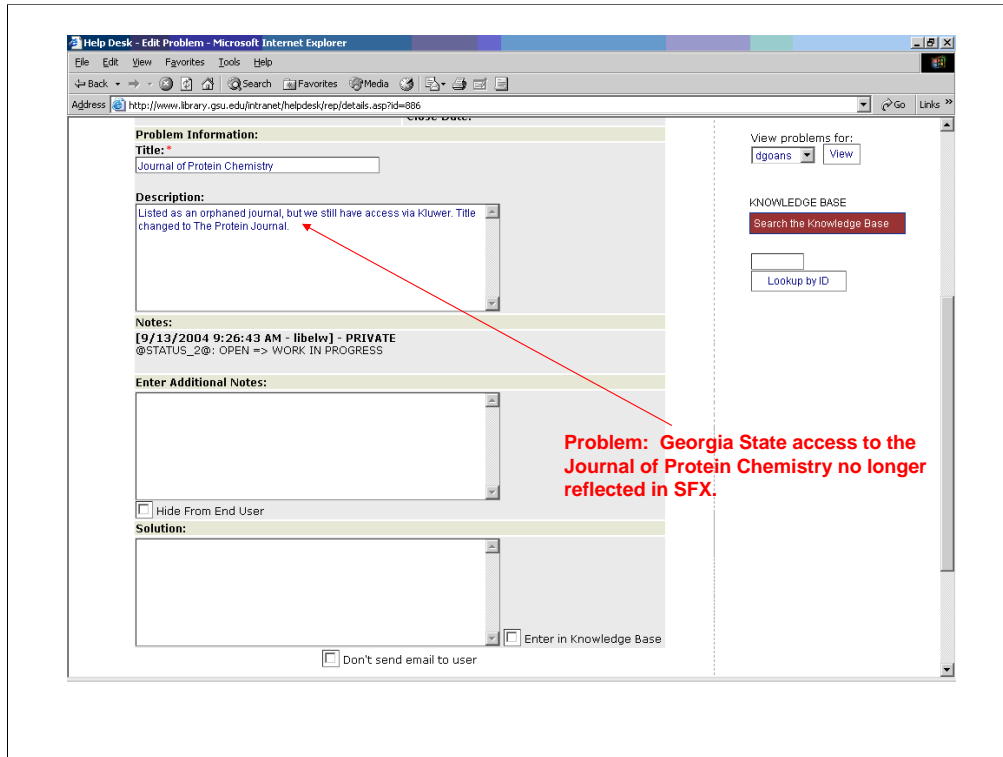
We've added a note to the earlier title to indicate that it's continued as Clinical Immunology.



Here--unlike the previous example--a patron looking for this title in our E Journal Locator will only be presented with one ScienceDirect choice.



And the same is true for the title that continues it...



In this example, a problem was submitted to the HelpDesk because our E Journal Locator was no longer displaying access to the Journal of Protein Chemistry even though we knew we subscribed to it.

Microsoft Excel - deleted items object_portfolios July 2004.xls

A	B	C	D	E	F	G	H	I
4	Deleted	1.10979E+14 0018-2214	KLUWER_ACADEMIC	getFullTxt				\$obj->parsedDate(">=",1997,29,1)
5	Deleted	1.10979E+14 1418-2874	KLUWER_ACADEMIC	getFullTxt				\$obj->parsedDate(">=",1998,52,1)
6	Deleted	1.10992E+14 0012-4958	KLUWER_ACADEMIC	getFullTxt				\$obj->parsedDate(">=",2000,375,1)
7	Deleted	1.10995E+14 0018-8220	KLUWER_ACADEMIC	getFullTxt				\$obj->parsedDate(">=",2000,34,8)
8	Deleted	1.10997E+14 0025-1534	KLUWER_ACADEMIC	getFullTxt				\$obj->parsedDate(">=",1997,30,1)
9	Deleted	1.10997E+14 0892-4635	KLUWER_ACADEMIC	getFullTxt				\$obj->parsedDate(">=",1997,10,1)
10	Deleted	1.10997E+14 0925-1014	KLUWER_ACADEMIC	getFullTxt				\$obj->parsedDate(">=",1997,6,1)
11	Deleted	1.10997E+14 1384-6574	KLUWER_ACADEMIC	getFullTxt				\$obj->parsedDate(">=",1997,1,1)
12	Deleted	1.11002E+14 0040-6325	MISCELLANEOUS_FREE_EJOUR	getFullTxt				\$obj->parsedDate(">=",1939,1,undef) && \$obj->parsedDate("<=",1993
13	Deleted	1.11003E+14 0093-466X	KLUWER_ACADEMIC	getFullTxt				\$obj->parsedDate(">=",2001,26,1)
14	Deleted	1.11003E+14 0961-1444	KLUWER_ACADEMIC	getFullTxt				\$obj->parsedDate(">=",2000,9,1)
15	Deleted	1.11003E+14 1000-9221	KLUWER_ACADEMIC	getFullTxt				\$obj->parsedDate(">=",2002,18,1)
16	Deleted	1.11009E+14 0143-7534	HIGHWIRE_PRESS	getFullTxt				\$obj->parsedDate(">=",1999,6,1)
17	Deleted	1.11027E+14 0377-0915	KLUWER_ACADEMIC	getFullTxt				\$obj->parsedDate(">=",2000,27,1)
18	Deleted	1.11088E+14 0899-1499	GALEGROUP_GENERAL_BUSIN	getFullTxt				\$obj->parsedDate(">=",1999,undef,undef) && \$obj->timediff(">=",1,y)
19	Deleted	1.10979E+14 0277-8033	KLUWER_ACADEMIC	getFullTxt				\$obj->pars \$obj->parsedDate(">=",1997,16,1)
20	Deleted	1.10997E+14 0893-4282	KLUWER_ACADEMIC	getFullTxt				\$obj->parsedDate(">=",1997,10,1)
21	Deleted	1.10976E+14 0734-211X	ISI_WEB_OF_SCIENCE	getAuthor				
22	Deleted	1.10976E+14 0739-3717	ISI_WEB_OF_SCIENCE	getAuthor				
23	Deleted	1.10982E+14 0026-8925	SPRINGER_LINK_JOURNALS	getAbstract				\$obj->parsedDate(">=",1996,252,1) && \$obj->parsedDate("<=",2001,2
24	Deleted	1.10987E+14 0378-4347	ELSEVIER_WEB_EDITIONS	getFullTxt				\$obj->timediff("<=",2y)
25	Deleted	1.10992E+14 0012-4958	KLUWER_ACADEMIC	getTOC				\$obj->parsedDate(">=",2000,375,1)
26	Deleted	1.10995E+14 0018-8220	KLUWER_ACADEMIC	getTOC				\$obj->parsedDate(">=",2000,34,8)
27	Deleted	1.10997E+14 0025-1534	KLUWER_ACADEMIC	getTOC				\$obj->parsedDate(">=",1997,30,1)
28	Deleted	1.10997E+14 0892-4635	KLUWER_ACADEMIC	getTOC				\$obj->parsedDate(">=",1997,10,1)
29	Deleted	1.10997E+14 0925-1014	KLUWER_ACADEMIC	getTOC				\$obj->parsedDate(">=",1997,6,1)
30	Deleted	1.10997E+14 1384-6574	KLUWER_ACADEMIC	getTOC				\$obj->parsedDate(">=",1997,1,1)
31	Deleted	1.10997E+14 8755-8920	OCLC_FIRSTSEARCH_ECO	getFullTxt				\$obj->parsedDate(">=",2001,undef,undef)
32	Deleted	1.10997E+14 0744-6020	GALEGROUP_INFOTRAC_EXP_A	getFullTxt				\$obj->parsedDate(">=",1996,undef,undef)
33	Deleted	1.10997E+14 0741-5206	GALEGROUP_INFOTRAC_EXP_A	getFullTxt				\$obj->parsedDate(">=",1995,undef,undef)
34	Deleted	1.10999E+14 944929E+11	ISI_WEB_OF_SCIENCE	getAuthor				

Ready | Sum=1.3102E+14 | NUM

Monthly update shows SFX record for *Journal of Protein Chemistry* being deleted.

Here, the SFX monthly update actually deleted the record for the *Journal of Protein Chemistry*.

The screenshot shows a Microsoft Internet Explorer browser window displaying the OCLC Connexion interface. The search results list several records for 'Journal of protein chemistry'. A red arrow points from a text annotation to the record for the online version (record 776).

Title changed to Protein Journal after 2003. Online access to issues of Journal of Protein Chemistry through the later title...

Record 776 details: Online version; [Journal of protein chemistry \(Online\)](#) [\(DLC\) 2004233225](#) [\(OCoLC\)44554233](#)

Record 785 details: Protein journal [\(DLC\) 2004242067](#) [\(OCoLC\)54837371](#)

Record 850 details: ArU [AzU](#) [CU](#) [CU-A](#) [CU-AM](#) [CU-PA](#) [CU-SB](#) [CU-SM](#) [CaAEU](#) [CaOTU](#) [CoU](#) [DLC](#) [DNAL](#) [DNLM](#) [DeU](#) [FU-HC](#) [GASU](#) [GAT](#) [ICU](#) [ICarBS](#) [IU](#) [IaAS](#) [InLP](#) [InU](#) [InU-M](#) [KMK](#) [KyLoU](#) [LU](#) [MBU](#) [MCM](#) [MNS](#) [MIDW](#) [MIU](#) [MnSU](#) [MnU](#) [MoKL](#) [MoSW](#) [MoSW-M](#) [MoU](#) [MsU](#) [NCH](#) [NSyU](#) [NcD](#) [NcRS](#) [NcU](#) [NJP](#) [NJR](#) [NmU](#) [OCU](#) [OU](#) [OrcS](#) [OrU-S](#) [PBL](#) [PPIU](#) [PSt](#) [RPB-S](#) [TU](#) [TxHR](#) [UPB](#) [UU](#) [ViBibV](#) [VIRCU-H](#) [VIU](#) [VIU-H](#) [WaU](#) [Wyu](#)

Record 856 details: Issues listed under later title: The protein journal <http://www.kluweronline.com/issn/0277-8033/contents>

Record 856 details: <http://firstsearch.oclc.org> [Address for accessing the journal using authorization number and password through OCLC FirstSearch Electronic Collections Online. Subscription to online journal required for access to abstracts and full text](#)

Record 856 details: <http://firstsearch.oclc.org/journal=0277-8033;screen=info,ECCOIP> [Address for accessing the journal from an authorized IP address through OCLC FirstSearch Electronic Collections Online. Subscription to online journal required for access to abstracts and full text](#)

Action Status: Delete Holdings _ Export _ Label _ Produce _ Update Holdings _ Validate _
 URL Notification: Notify GSU of problem URLs in this record? no

We can see from the OCLC record that Journal of Protein Chemistry changed title to Protein Journal after 2003 and that the online issues for the Journal of Protein Chemistry are actually listed under Protein Journal.

Address: http://www.kluweronline.com/issn/0277-8033/contents

JOURNALS
 kluwer online
 Login | View Cart | Your Account

SEARCH JOURNALS [] in [Journal Title] GO []
 Search Tips | Advanced Search

About This Journal
 Search This Journal GO []
 Advanced Search

Journal Contents
 at kluwer online—both titles listed under title and ISSN for Protein Journal.

Content By Year

Year	Volume	Issues
2004	23	Issue 6, August 2004, pp.357-435 Issue 5, July 2004, pp.303-355 Issue 4, May 2004, pp.239-302 Issue 3, April 2004, pp.179-238 Issue 2, February 2004, pp.103-177 Issue 1, January 2004, pp.1-101
2003	22	Issue 7-8, November 2003, pp.601-690 Issue 6, August 2003, pp.499-599 Issue 5, July 2003, pp.405-497 Issue 4, May 2003, pp.311-403 Issue 3, April 2003, pp.205-310 Issue 2, February 2003, pp.109-204 Issue 1, January 2003, pp.1-106
2002	21	Issue 8, November 2002, pp.489-567 Issue 7, October 2002, pp.435-487 Issue 6, August 2002, pp.371-433 Issue 5, July 2002, pp.307-370 Issue 4, May 2002, pp.223-306 Issue 3, March 2002, pp.131-221 Issue 2, February 2002, pp.75-129 Issue 1, January 2002, pp.1-74
2001	20	Issue 8, November 2001, pp.593-654 Issue 7, October 2001, pp.535-591 Issue 4, May 2001, pp.273-335 Issue 3, March 2001, pp.181-271

And at kluwer online, we can see that both titles are listed under Protein Journal and the ISSN for Protein Journal. This is the opposite of how title changes were handled with ScienceDirect, which had separate records and ISSN's for each title. Until the monthly update deleted the earlier title's record, however, SFX treated them separately.

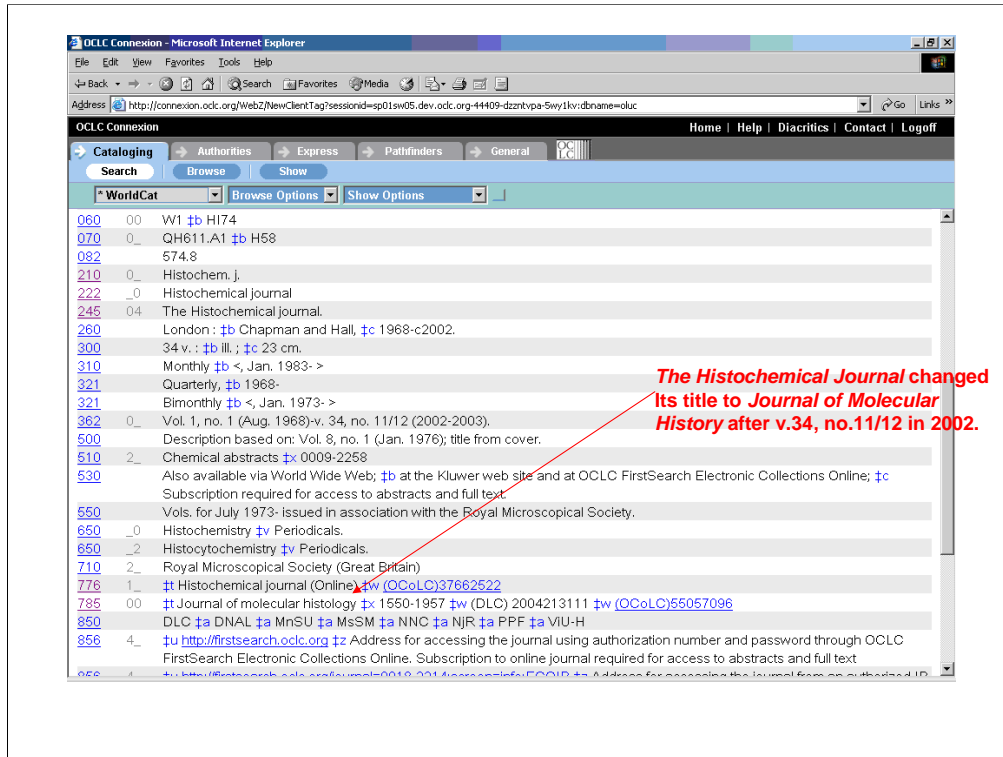
Microsoft Excel - deleted Rems object_portfolios July 2004.xls

A	B	C	D	E	F	G	H	I
1	Deleted	1.10979E+14 0026-8925	SPRINGER_LINK_JOURNALS	getFullTxt		\$obj->parsedDate(">=",1996,252,1) && \$obj->parsedDate("<=",2001,2,1)		
2	Deleted	1.10979E+14 1382-6662	KLUWER_ACADEMIC	getFullTxt		\$obj->parsedDate(">=",1997,1,1)		
3	Deleted	1.10979E+14 0748-1977	KLUWER_ACADEMIC	getFullTxt		\$obj->parsedDate(">=",1997,13,1)		
4	Deleted	1.10979E+14 0018-2214	KLUWER_ACADEMIC	getFullTxt		\$obj->parsedDate(">=",1997,29,1)		
5	Deleted	1.10979E+14 1418-2876	KLUWER_ACADEMIC	getFullTxt		\$obj->parsedDate(">=",1998,52,1)		
6	Deleted	1.10992E+14 0012-4958	KLUWER_ACADEMIC	getFullTxt		\$obj->parsedDate(">=",2000,375,1)		
7	Deleted	1.10995E+14 0018-8220	KLUWER_ACADEMIC	getFullTxt		\$obj->parsedDate(">=",2000,34,8)		
8	Deleted	1.10997E+14 0025-1534	KLUWER_ACADEMIC	getFullTxt		\$obj->parsedDate(">=",1997,30,1)		
9	Deleted	1.10997E+14 0892-4635	KLUWER_ACADEMIC	getFullTxt		\$obj->parsedDate(">=",1997,10,1)		
10	Deleted	1.10997E+14 0925-1014	KLUWER_ACADEMIC	getFullTxt		\$obj->parsedDate(">=",1997,6,1)		
11	Deleted	1.10987E+14 1384-6574	KLUWER_ACADEMIC	getFullTxt		\$obj->parsedDate(">=",1997,1,1)		
12	Deleted	1.11002E+14 0040-6325	MISCELLANEOUS_FREE_EJOURNALS	getFullTxt		\$obj->parsedDate(">=",1939,1,undef) && \$obj->parsedDate("<=",1993,1,1)		
13	Deleted	1.11003E+14 0090-466X	KLUWER_ACADEMIC	getFullTxt		\$obj->parsedDate(">=",2001,28,1)		
14	Deleted	1.11003E+14 0961-1444	KLUWER_ACADEMIC	getFullTxt		\$obj->parsedDate(">=",2000,9,1)		
15	Deleted	1.11003E+14 1000-9221	KLUWER_ACADEMIC	getFullTxt		\$obj->parsedDate(">=",2002,18,1)		
16	Deleted	1.11009E+14 0143-7534	HIGHWIRE_PRESS	getFullTxt		\$obj->parsedDate(">=",1999,8,1)		
17	Deleted	1.11027E+14 0377-0915	KLUWER_ACADEMIC	getFullTxt		\$obj->parsedDate(">=",2000,27,1)		
18	Deleted	1.11088E+14 0899-1499	GALEGROUP_GENERAL_BUSINESS	getFullTxt		\$obj->parsedDate(">=",1999,undef,undef) && \$obj->timediff(">",1y)		
19	not deleted	1.10979E+14 0277-8033	KLUWER_ACADEMIC	getFullTxt		\$obj->parsedDate(">=",1997,16,1)		
20	not deleted	1.10997E+14 0893-4282	KLUWER_ACADEMIC	getFullTxt		\$obj->parsedDate(">=",1997,10,1)		
21	Deleted	1.10976E+14 0734-211X	ISI_WEB_OF_SCIENCE	getAuthor				
22	Deleted	1.10976E+14 0739-3717	ISI_WEB_OF_SCIENCE	getAuthor				
23	Deleted	1.10992E+14 0026-8925	SPRINGER_LINK_JOURNALS	getAbstract		\$obj->parsedDate(">=",1996,252,1) && \$obj->parsedDate("<=",2001,2,1)		
24	Deleted	1.10987E+14 0378-4347	ELSEVIER_WEB_EDITIONS	getFullTxt		\$obj->timediff("<=",2y)		
25	Deleted	1.10992E+14 0012-4958	KLUWER_ACADEMIC	getTOC		\$obj->parsedDate(">=",2000,375,1)		
26	Deleted	1.10995E+14 0018-8220	KLUWER_ACADEMIC	getTOC		\$obj->parsedDate(">=",2000,34,8)		
27	Deleted	1.10997E+14 0025-1534	KLUWER_ACADEMIC	getTOC		\$obj->parsedDate(">=",1997,30,1)		
28	Deleted	1.10997E+14 0892-4635	KLUWER_ACADEMIC	getTOC		\$obj->parsedDate(">=",1997,10,1)		
29	Deleted	1.10997E+14 0925-1014	KLUWER_ACADEMIC	getTOC		\$obj->parsedDate(">=",1997,6,1)		
30	Deleted	1.10997E+14 1384-6574	KLUWER_ACADEMIC	getTOC		\$obj->parsedDate(">=",1997,1,1)		
31	Deleted	1.10997E+14 1384-6574	HISTOCHEMICAL JOURNAL	getFullTxt		\$obj->parsedDate(">=",2001,undef,undef)		

Ready

Monthly update shows record for The Histochemical Journal being deleted from SFX.

This last example, is the same thing. The SFX monthly update deletes the record for The Histochemical Journal.



The Histochemical Journal changed title to Journal of Molecular history in 2002.

Journal of Molecular Histology
formerly 'The Histochemical Journal'

Journal Contents

Content By Year

Year	Volume	Issues
2003	35	Issue 4, May 2004, pp.339-431 Issue 3, March 2004, pp.209-337 Issue 2, February 2004, pp.103-207 Issue 1, January 2004, pp.1-99
2002	34	Issue 11-12, November 2002, pp.525-626 Issue 10, October 2002, pp.469-524 Issue 8-9, August - September 2002, pp.369-467 Issue 6-7, June - July 2002, pp.265-367 Issue 5, 2002, pp.189-263 Issue 3-4, March - April 2002, pp.97-187 Issue 1-2, January - February 2002, pp.1-95
2001	33	Issue 11-12, November - December 2001, pp.597-710 Issue 9-10, September 2001, pp.499-595 Issue 8, August 2001, pp.437-497 Issue 7, July 2001, pp.379-435 Issue 5, May 2001, pp.253-316 Issue 4, April 2001, pp.193-251 Issue 3, March 2001, pp.129-191 Issue 2, February 2001, pp.1-128

kluwer online places issues for The Histochemical Journal back to 1997 with issues of Journal of Molecular Histology, under that title's ISSN.

As before kluwer online places issues for both titles under the Journal of Molecular History and the ISSN for Journal of Molecular History. Since it deleted the earlier title's record, SFX is now handling the titles in the same way.

Cautionary Tales

Begin Judith's section.

- All of the idiosyncrasies to which print serials have traditionally been subject are still present in the online environment and then some.
- Single Entry Lists
 - Author/Title Proper vs. Uniform Title vs. Title Proper: SFX uses Title Proper in all cases
 - “Minor” title change treated as a variant in the MARC record will not be selected for the A to Z list at all, even though the provider now considers it the current title.
- ISSN issues and ‘Aggregator neutral records’
- Consistent recognition and handling of entry changes
- Back files and supplements to back files

All of the idiosyncrasies to which print serials have traditionally been subject are still present in the online environment. They still split, merge, change title, change publisher, change frequency and so forth. They also now migrate from one format to the other and change from serial to integrating resource.

Single entry lists:

Main entry. People have been trying to declare the concept of ‘main entry’ a dead issue for decades, but once again it raises its ugly head now that we all want A to Z journal lists on our web sites. In compiling a single-entry list, it is necessary to choose an appropriate entry. SFX uses the CONSER database as their source of ‘authoritative records’ but the programming isn’t sophisticated enough to choose the most useful form of entry. SFX considers the CONSER Title Proper to be the authoritative title in all cases, but there are frequently occasions when an Author/Title or Uniform Title would be the better choice.

Minor changes. This is further exacerbated by AACR2 rule 21.2.C2.b.ix which says that “the addition, deletion, or rearrangement *anywhere in the title* of words that indicate the type of resource such as “magazine,” “journal,” or “newsletter” or their equivalent in other languages” is a minor change. This can be especially inconvenient if one of these words is added or dropped at the beginning of the title. In any case, if the **current** title of a journal, according to the provider, is being treated as a variant in the Marc record, it will not be selected by SFX for the A to Z list at all.

ISSN issues and ‘Aggregator neutral records’:

ISSNs are commonly viewed as unique identifiers, and they have frequently been co-opted for use as a hook to connect citations to records of holdings. They were not designed for this purpose, and have a number of problems, not least that the ISSN network considers them to be carrier specific while the rest of the world wants them to be linked to content regardless of carrier. But, for lack of anything better, service providers are using them this way. Although they are not article specific, they are now being used as a building block in constructing links to full text online.

Most SFX objects use the ISSN for the print version of a title. There are separate fields for the eISSN and related ISSNs, but not all objects have them. Only if they are present can the link resolver cope with a search using these other ISSNs.

Because the objects use the print ISSN, the MARCIt! product provides an “enhanced” version of the Marc record for the print, in order to preserve SFX linking services that are based on the print ISSN. It seems ironic to me that after all the agonizing over single vs. separate records, and the wonderful compromise resulting in the creation of aggregator-neutral records, the only aggregator neutral records you are likely to receive from SFX are for electronic-only titles.

Consistent recognition and handling of entry changes: You can see from Bill’s examples that SFX is somewhat at the mercy of the providers when it comes to consistent recognition and handling of entry changes, which vary, depending on whether the provider uses a latest entry approach on their web site or not, and on how they set up the various titles. We are able, as Bill demonstrated, to make adjustments in the knowledge base to compensate for these problems in linking, but we haven’t worked out what to do about the records in the catalog.

Back files and supplements to back files:

A question was recently posted to the SFX list about how Elsevier back files would be handled but no definitive answer has been posted. The question is whether those who purchased one back file but choose not to purchase supplements will have to go from an activate-all situation to a selected-titles-in-target situation.

- **MARCI!** is **still being developed**. We have found that there is quite a bit of manipulation needed before the MARC records can be loaded into the catalog.

MARCI! is **still being developed**. We have found that there is quite a bit of manipulation needed before the Marc records can be loaded into the catalog.

Additions, changes and deletions are delivered in one file. The records are coded new, change or delete in the fixed field. Other systems may have better batch loading utilities that can handle this file as delivered, but Voyager can't. The file needs to be split because the bulk import process is different for each category.

Ex Libris uses the 090 tag for their Object ID/SFX control no. For libraries that still use 090 for locally assigned LC call nos. this needs to be moved to another local tag. We move it to 024 and use it for matching when updates or deletes are distributed.

We also find and delete 050s with pseudo call nos. such as

NOT IN LC

ISSN RECORD

IN PROCESS

Microfilm

CURRENT ISSUES ONLY

LAW

WMLC [accession no.]

Each batch of records delivered contains a few that lack the 245 field.

Change 856 ƒu to insert our proxy address and ISSN, and change 856 ƒy to 856 ƒz (because Endeavor hasn't implemented the use of ƒy for link text).

- SFX is still a young product. It delivers a very exciting and useful service as it is, but there is still room for improvement. We look forward to the opportunity to influence how it addresses the various problems.

SFX is still a young product. It delivers a very exciting and useful service as it is but there is still room for improvement. We look forward to the opportunity to influence how it addresses the various problems.

■ Questions?

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William Walsh, wwalsh@gsu.edu