

Technically Speaking

A Technical Services Newsletter for Nebraska Libraries

Volume 7, number 3, Spring 2005

ISSN 1085-3448

FRBR & Nebraska Memories

Contents

Ruminations from the Chair
FRBR: The Future of Online Catalogs
TSRT Sponsored Sessions at NLA
Streamlining FirstSearch WorldCat Results
Nebraska Memories: Digitizing History

Ruminations from the Chair

Jim Shaw

In just a few weeks construction will begin on a 30,000 square foot addition extending to the north of the UNO Library. The architects and building contractors are rapidly finishing their plans, and we are shifting collections and preparing to move ranges to create space for a temporary wall. Those of you who have weathered construction projects will surely understand as we contemplate at least a year of temporary relocations and the unexpected, cascading side effects that may afflict even the best plans.

I have found some solace and amusement in recalling that I managed to avoid other major library construction projects. I found a new job and left town just before construction work began at the libraries of the University of Northern Iowa and California State University, Fullerton. I hope my colleagues are not disappointed to learn that this time I am here for the duration, but they have been graciously silent if they are.

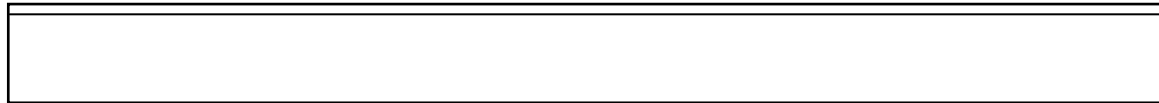
High summer is often an especially busy time in an academic library, though many are surprised to learn that. What do we do while the students are away? Well, first of all, there are still a lot of summer classes in session and those students have very small time windows for research. They can keep us moving fast at times. In addition, summertime is golden time for projects, and I have been up to my elbows in cataloging and collection

maintenance work in Government Documents. Our friends at Houchen Bindery have witnessed an avalanche of Congressional documents from UNO as we try to catch up 50 years of the higher interest, historically important hearings and committee prints.

I recommend, however, that we all steal some time this summer to shut down and lose ourselves for awhile in our families, books, music, hobbies, sports, or whatever else recharges our batteries. Earlier this year, NPR broadcast a profile of Ingrid Jensen, a jazz trumpeter who has been performing and recording for a decade, I have been utterly transfixed as I listen to her recordings as a leader and sideplayer. I told one of my colleagues in the Criminal Justice Department that hearing Jensen for the first time was a lot like hearing Miles Davis or John Coltrane for the first time. I find that epiphanies such as this, derived from whatever source, are crucial for keeping me inspired and productive throughout my life. My best wishes to you in seeking your own epiphanies.

Please note that the NLA/NEMA Conference is coming up fast on September 28-30. Registration and program information are available at <<<http://www.papillion.ne.us/~nla-nema2005/>>>. Ballots for NLA elections are already in the mail. I again extend my thanks to Jan Boyer and Casey Kralik, who agreed to run for TSRT Vice-Chair/Chair-Elect and Treasurer.

Jim Shaw is the Government Documents Librarian at UNO Library and is the Chair of TSRT.



FRBR (Functional Requirements for Bibliographic Records): The Future of Online Catalogs

Sharon Mason & Margaret Mering

Attempting to define the functional requirements of the catalog and its bibliographic records is not new to the library community. A little over a hundred years ago, Cutter introduced his Rules for a Dictionary Catalog. A modified version known as the Paris Principles came out in 1961. The electronic age has prompted the library community to once again consider the purpose of the catalog and its bibliographic records.

The 1990 Stockholm Seminar on Bibliographic Records commissioned a study to define the functional requirements of bibliographic records. An International Federation of Library Associations and Institutions' study group developed the FRBR model. In 1997, IFLA's Section on Cataloguing approved the model. AACR's Joint Steering Committee incorporated it into its 2001/02 strategic plan. *Resource Description and Access*, the tentative title of AACR3, will have a structure to align cataloging more directly with the FRBR and FRAR (Functional Requirements for Authority Records) models.

FRBR, pronounced "fur-bur" or "eff are bee are", is a conceptual model for thinking about how users use bibliographic information. A FRBRized OPAC highlights relationships for users. FRBR is not a set of cataloging rules. Nor is it a mark-up language, such as MARC.

The FRBR model is made up of entities, attributes of entities, and relationships between entities. The entities are divided into three groups: Group 1 covers the products of the intellectual and artistic ideas; Group 2 covers those responsible for the intellectual and artistic content, the physical production and dissemination, or the ownership of Group 1 entities; and Group 3 deals with the subject(s) of an endeavor. The subject can be a concept (e.g., economics), an object (e.g., Buckingham Palace), an event (e.g., 9/11), or a place (e.g., Crete, Neb.). Group 1 and 2 can also be subjects.

Group 1 seems to be the more developed of the three groups and is also the one that library automation vendors, such as Innovative Interfaces and VTLIS, are developing for their online catalogs.

Group 1 has four components: work; expression; manifestation; and item. The work and the expression are abstract and reflect the intellectual and artistic content. They are not physical objects. The manifestation is “the physical embodiment of the expression of a work.” The item is a single exemplar of a manifestation, the piece we have in hand.

Examples of Group 1 can be found in any library catalog. An example from UNK’s catalog that shows a variety of expressions and manifestations is the work Mike Mulligan and His Steam Shovel by Virginia Burton. The library has this work expressed four ways: print, translation of print, electronically, and audibly.

The manifestation of the print is a book published by Houghton Mifflin in 1939, another manifestation of the print is a Spanish translation, the manifestation of the electronic expression is a computer disk, and the manifestation of the audible expression is a tape cassette.

Item can best explained by saying it is the physical piece with a barcode.

OCLC research shows that over 80% of records reflect a single manifestation per work. However, the remaining 20% includes materials in multiple formats and languages because they are popular and important to users. Examples of highly FRBRizable works are:

- Popular fiction (translations, large print, audio, electronically)
- Classical literature
- Music
- Children’s material

There are many challenges in moving to the Functional Requirements for Bibliographic Records model such as the effect it would have on the cataloging process, cataloging workload, library automation vendors and record sharing utilities like OCLC just to name a few. On the other hand, FRBR gives library systems designers the structure to build systems that improve indexing, sorting, and displays of information by collocating works, expressions, and manifestations in a more user friendly manner with the relationships between the groups more explicit.

For more information on FRBR consult <http://www.ifla.org/VII/s13/frbr/frbr.htm> and <http://www.ifla.org/VII/s13/wgfrbr/bibliography.pdf>. To view projects using the FRBR models, see OCLC's FictionFinder project (<http://fictionfinder.oclc.org>) and RLG's Redlight Green (<http://www.redlightgreen.com>).

Sharon Mason is Head of Cataloging/Systems/Serials at University of Nebraska at Kearney and Margaret Mering is Serials Cataloger at the University of Nebraska-Lincoln, Love Library.



Streamlining FirstSearch WorldCat Results

Christa Burns

This fall, OCLC is planning to install a new streamlined view of FirstSearch WorldCat results. Streamlining results in FirstSearch WorldCat will increase the general comfort level of users by reducing the number of perceived duplicates, will provide a rapid and efficient pathway to the desired materials, and improve resource sharing. To do this, OCLC is using concepts from FRBR (Functional Requirements for Bibliographic Records).

What is streamlining?

A search in WorldCat today on "The Stone Diaries" in the title index brings up 44 records, with many examples of perceived duplicates even among the first page of results:

- Records 1, 2, 3, 9 & 10 are English prints
- Record 3 is an English large print version
- Records 4 and 5 are English books on cassette
- And translations of this book in other languages are not even seen until later pages

With over 60 million records, WorldCat returns many records for a single search. The cataloging concept of a unique item is too specific for many users, creating the perception of duplicate records in WorldCat.

After streamlining, this is how the results for a search in WorldCat on "The Stone Diaries" in the title index will look:

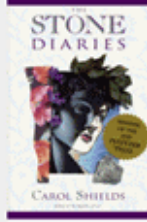
- 1. [The stone diaries](#)
Author: Shields, Carol **Dates:** 1993-1996
Matching Versions: English (11) [Books](#) (8) [Sound Recordings](#) (3)
Libraries Worldwide: 3991 [Owned by Columbus Library](#)
More Like This: [Find all versions](#) | [Advanced options ...](#)
[See more details for locating this item](#)
- 2. [Carol Shields, narrative hunger, and the possibilities of fiction /](#)
Author: Goertz, Dee.; Eden, Edward,
Publication: Toronto : University of Toronto Press, 2003
Document: English : Book
Libraries Worldwide: 172
More Like This: [Advanced options ...](#)
[See more details for locating this item](#)
- 3. [Carol Shields's \[sic\] The stone diaries : a reader's guide /](#)
Author: Werlock, Abby H. P.
Publication: New York : Continuum, 2001
Document: English : Book
Libraries Worldwide: 73 [Owned by Columbus Library](#)
More Like This: [Advanced options ...](#)
[See more details for locating this item](#)
- 4. [The stone diaries](#) (most common version: [La mémoire des pierres](#))
Author: Shields, Carol **Dates:** 1995
Matching Versions: French (2) [Books](#) (2)
Libraries Worldwide: 5
More Like This: [Find all versions](#) | [Advanced options ...](#)

The user now only has to look at 22 records, rather than 44. The first record represents 11 English versions of The Stone Diaries, including:

- All 3991 holdings
- All formats, in this case Book and Sound Records

And now, some of the translations show up on the first page of results, giving a fuller view of what WorldCat has to offer. So, this streamlined view improves visibility of library holdings and alternative versions of the work.

From the results list, when a user clicks on the hotlinked title, a single record will appear:



The stone diaries
Shields, Carol
1993-1996

English [Books \(8\)](#) [Sound Recordings \(3\)](#)
Descriptions include: Fiction

"The story of a woman, written to resemble a biography, complete with family photos. The chapter-headings tell the story: "Birth, 1905," "Childhood, 1916," "Marriage, 1927," "Love, 1936," "Motherhood, 1947," "Illness and Decline, 1985," and, finally, "Death."

GET THIS ITEM

Availability: **FirstSearch indicates your institution owns the item.**

- [Libraries worldwide that own item:](#) 3991 [Owned by Columbus Library](#)

Your library owns these versions of the item:

- [Books](#) : [Large print](#)
- [Sound Recordings](#) : [Cassette recording](#)

- [Borrow item from another library](#) (Interlibrary Loan)

External Resources: [Partner Access OpenURL](#)

FIND RELATED

More Like This: [Find all versions](#) | [Advanced options ...](#)

Find Items About: [Shields, Carol \(23\)](#)

Title: **The stone diaries**

Author: [Shields, Carol](#)

Dates: 1993-1996

Language: English : [Find all languages for this work](#)

Versions: [All](#) [Owned by Columbus Library](#)

Document Types

- [Books](#) [Owned by Columbus Library](#)
 - Specific Formats
 - [Large print](#) [Owned by Columbus Library](#)
- [Sound Recordings](#) [Owned by Columbus Library](#)
 - Specific Formats
 - [Cassette recording](#) [Owned by Columbus Library](#)

Matching Versions

These versions match your search:

- [The stone diaries](#) Shields, Carol. **1st American ed.** New York : Viking, 1994, ?
[Book](#) 361 p. : ill. ; 21 cm.
Libraries: 1650 [Owned by Columbus Library](#)
- [The stone diaries](#) Shields, Carol. New York, N.Y. : Penguin Books, 1995, 1994
[Book](#) 361 p., [8] p. of plates : ill. ; 20 cm.
Libraries: 953 [Borrow this version from another library](#)
- [The stone diaries](#) Shields, Carol. Thorndike, Me., USA : G.K. Hall ; Bath, Avon, England : Chivers Press, 1995, 1993
[Book](#) [Large print](#) 409 p., [8] p. of plates (large print) : ill. ; 25 cm.
Libraries: 523 [Owned by Columbus Library](#)
- [The stone diaries](#) Shields, Carol, Bresnahan, Alyssa. Prince Frederick, Md. : Recorded Books, 1996, ©1993
[Sound Recording](#) [Cassette recording](#) 10 sound cassettes (13.5 hrs.) : analog.
Libraries: 458 [Owned by Columbus Library](#)

Here the user can once again see the number of matching records, and also the different document types and formats included in this set of records. The user's library's holdings are highlighted to direct the user to the copies held in their library. The user can click on a document type to select more specific types of material.

The search results still consist of the records that matched the search, but they are streamlined for easier viewing, and better understanding, by the user. This gives the user faster access to their desired records.

The streamlined view will be set as the default, as this presents a friendlier results list to most users. But, the user will have the option to toggle the feature on and off to suit their needs at the time. Users will be able to do a search, see the streamlined results, but then toggle to the results sorted by number of holding libraries. The user can also specify on

the search screen what sorting or ranking option they want.

How will streamlining effect resource sharing?

When users ask to borrow an item, FirstSearch will start with all of the records that match the level selected. To be sure the user is requesting what they really want, there will be a screen between their request to borrow and the final request, asking them to confirm or choose format and/or language.

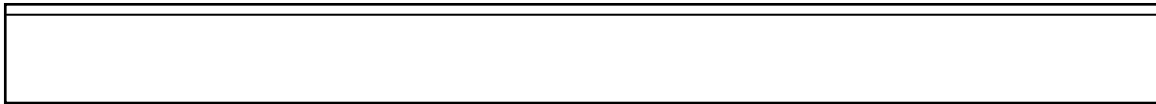
A benefit to WorldCat users

These changes originated from considering the concepts discussed in FRBR, which provides a new way of looking at the discovery experience. However, the emphasis is on improving the WorldCat user's experience – getting users to what they need faster and easier.

The target release date for the streamlined view of FirstSearch WorldCat is Fall 2005. OCLC is currently conducting usability testing of the view. A public demo will be available before the new view is installed into FirstSearch.

If you have any question, contact Christa Burns at <cburns@nlc.state.ne.us>, 402-471-3107, or 800-307-2665.

Christa Burns is Member Services Coordinator, NEBASE at the Nebraska Library Commission.



Nebraska Memories: Digitizing History

Devra Dragos

In 2004, the Nebraska Library Commission launched Nebraska Memories, a cooperative project to digitize Nebraska-related historical and cultural heritage materials. Currently, libraries or library/museum partners in seven Nebraska towns are working on projects for Nebraska Memories. And a collaborative effort between a library, museum and UNO class is completed. To manage these digitized images, the Commission purchased a license for CONTENTdm software.

In CONTENTdm, participants upload digitized images and metadata records which are then available for searching through our customized Web site. The metadata records are based on Dublin Core and can be crosswalked into OCLC's WorldCat. From WorldCat, the records can then be exported in MARC format for those who want records in their local systems.

As with any other shared database, some guidelines had to be developed to ensure that there was consistency in entering data. Early on the decision was made to base the guidelines on "Western States Dublin Core Metadata Element Set." The Nebraska

Memories Metadata Guidelines may be found at
<<<http://www.nlc.state.ne.us/nebraskamemories/metadata.pdf>>>

Guideline requirements include using Library of Congress authority files for name headings and *Thesaurus for Graphic Materials* for subject headings with the LC authority files for topics and names not covered in the thesaurus. Other fields require specific formatting, for example, dates (YYYY-MM-DD)—for both the original item and the digitized item—and languages which require three letter codes. The project does, however, allow for some flexibility based on the needs of each individual collection. For example, Polley Music Library staff at Lincoln City Libraries have loaded images of sheet music; to improve searching, a metadata field was added for first line/chorus line.

Metadata records contain many fields that any cataloger would be familiar with, such as Title, Title-Alternative, Creator (MARC tags 1XX and 7XX), Contributor (7XX), Description, Publisher, Subject, Language, and Local Accession/Call number. Other fields may be new to some, for example, Type (Image, Text, Sound) and Rights Management (a statement describing copyright for the image and the limitations on its use). To further confound us, some fields describe the original item and others describe the digitized version (this might not be new to those who have cataloged microfiche).

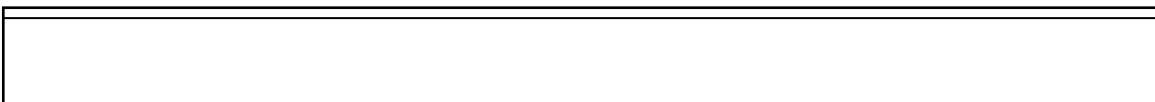
Subject headings and descriptions may turn out to be the two greatest challenges to our participants. To those who are trained to catalog mainly books, the concept of assigning subject headings for what the item *is* in addition to what the item is *about* may be foreign. Those who have no background in cataloging, and some of our participants have to rely on volunteers, find the whole process foreign. Practice and writing skills help, especially for descriptions. Since it would be cumbersome to include subject headings for every single item in a picture and most people start with keyword searches, we encourage participants to write thorough descriptions using as many key as possible.

After items are uploaded to the Commission's server by the participants, they are reviewed by Commission staff, then added and indexed. If any editing is required after the item has been added, participants may retrieve the record through CONTENTdm to make changes.

With each collaboration, along with learning new software, terminology, and technical skills, we learn more about working together to provide a better product for our patrons, local and global. We hope that more libraries will join us in creating a larger and better Nebraska Memories database.

The Nebraska Memories web site should be available later this summer.

Devra Dragos is the Cataloging Librarian at the Nebraska Library Commission.



TSRT Sponsored Sessions at NLA

The secret lives of catalogers, Thursday, Sept. 29, 1:50-2:40 p.m.

Presenters: Ben Brick, Omaha Public Library; Sue Ann Gardner, University of Nebraska-Lincoln; Sharon Mason, University of Nebraska-Kearney

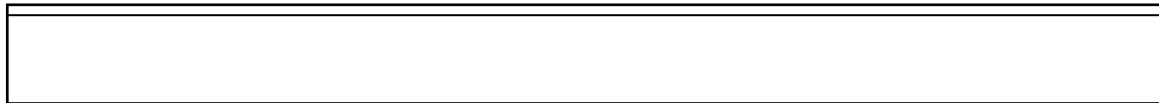
What does a cataloger actually do with the day? What are the rewards and what are the annoyances? What might one expect of a career in cataloging and technical services? How does one prepare, and what must one do to keep up with rapid change? This panel will prove especially interesting to those entering librarianship or perhaps contemplating a career change, but many may benefit from the perspective of the panelists' experiences.

Approaches to authority control for you library catalog, Friday, Sept. 30, 9:10-10 a.m.

Presenters: Corinne Jacox, Creighton University; Mary Marchio, freelance cataloger; Deirdre Routt, Omaha Public Library.

Authority control effectively brings catalog records together so that variations in names and headings are less likely to hinder searches. Libraries may develop in-house procedures for authority control, and they may contract with vendors to upgrade records. This presentation will provide practical examples and advice for understanding and managing authority control.

TSRT Business Meeting, Friday, Sept. 30, 3-3:50 p.m.



Technically Speaking...is published 3 times a year by the Nebraska Library Association, Technical Services Round Table. Issues are published in Fall, Winter and Spring.

NEWSLETTER EDITOR:

Deirdre Routt, Omaha Public Library, 215 S 15 St, Omaha, NE 68102
(402) 444-4800 or droutt@omaha.lib.ne.us

WEBPAGE COORDINATOR:

Casey Kralik, Bellevue University, 1000 Galvin Rd, Bellevue, NE 68005
(402) 293-3786 or kralik@bellevue.edu

TSRT homepage: <http://www.nebraskalibraries.org/TSRT/>

This publication is free to current and prospective members of the Round Table. It is not available by subscription.

NLA /NEMA 2005
Libraries: Heart & Soul of Communities
September 28-30
Cornhusker Hotel, Lincoln