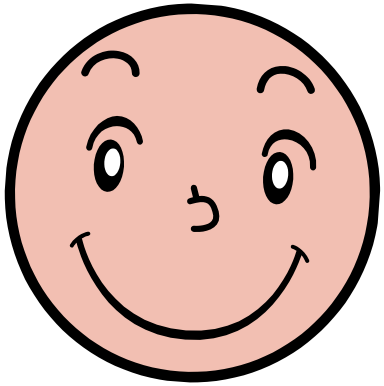
FRBR Basics

From a complete non-expert

Kathy Nystrom
6/10/04



FRBR = Functional Requirements for Bibliographic Records

IFLA* proposed data model (1998)

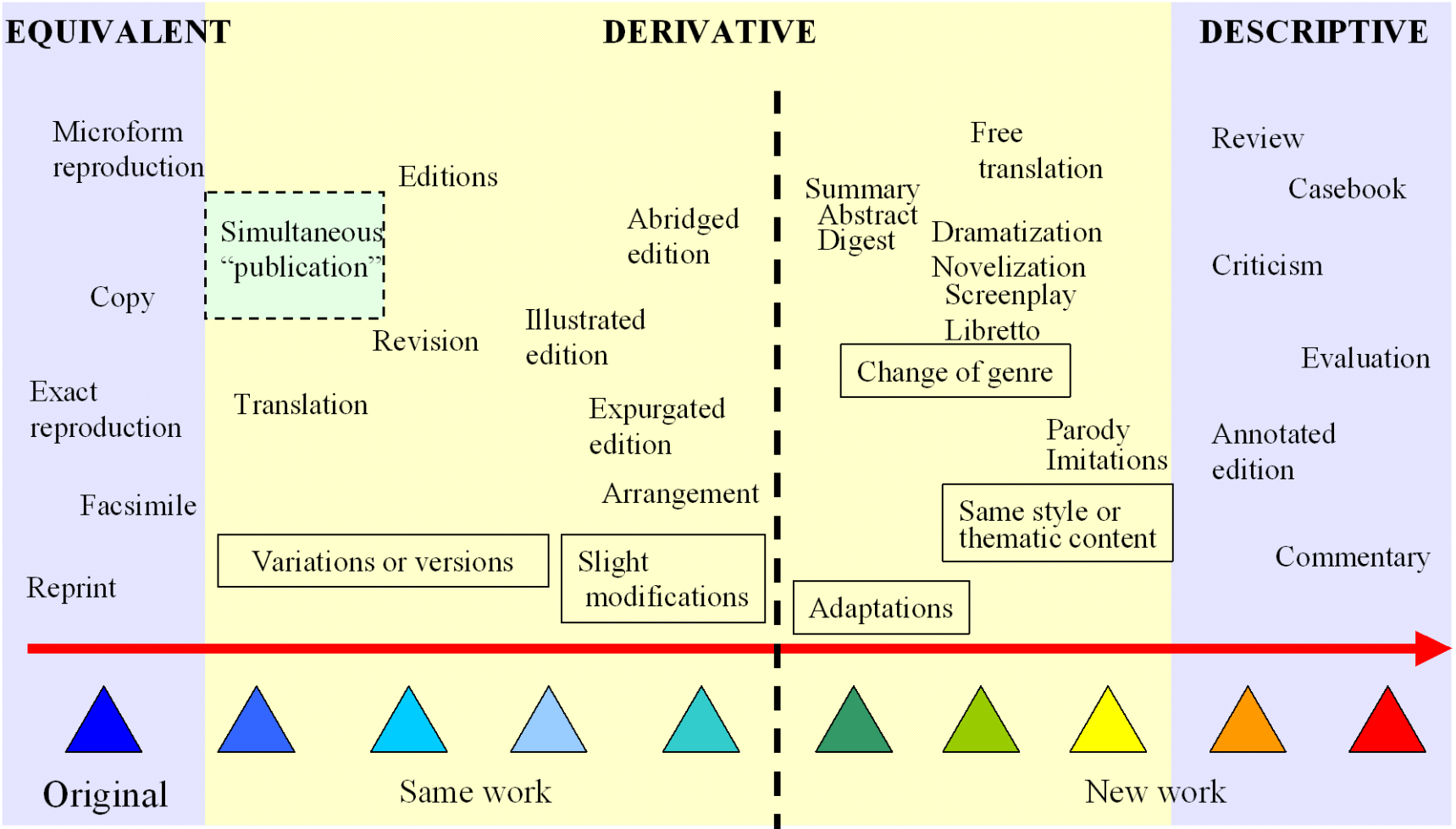
Attempts to define entities & their relationships to each other

- Equivalent
- Derivative
- Descriptive
- Whole/part and part to part relationships

GOAL: relate data in records to needs of users & recommend basic level of functionality

* International Federation of Library Associations and Institutions

Family of Works



Same Expression **New Expression** Cataloging Rules cut-off point **New Work**

B. Tillett
Dec. 2001

FRBR-defined user tasks

- Find—involves meeting search criteria thru attribute or relationship of entity
- Identify—enables confirmation of find, among several similar resources
- Select—meeting user's requirements re content, format, etc.
- Obtain—acquire thru loan, purchase, etc.

+ Navigate—ability to search adequately

Entities defined by FRBR:

- Products of intellectual/artistic endeavor
  - Work
  - Expression
  - Manifestation
  - Item
- Those responsible for creating the products
  - Person
  - Corporate body

- Subjects of works
  - Concept
  - Object
  - Event
  - Place

We'll only talk about 1st category—products of intellectual/artistic endeavor

Hierarchical structure

- **Work** = distinct intellectual or artistic creation; abstract entity
- **Expression** = specific intellectual/ artistic form that work takes each time it's "realized"; abstract
- **Manifestation** = physical embodiment of an expression; concrete
- **Item** = single example of a manifestation

Some examples:

- Work = Hamlet [the idea; the story]
- Expression = particular ed. of the play or specific movie production of Hamlet
- Manifestation = all the copies of a specific publisher's ed. of Hamlet
- Item = copy in hand of this specific ed. of Hamlet

- Work info is analogous to uniform titles assigned to bib records of different manifestations
- Expression info—currently buried in descriptive parts of bib records, e.g., 300 field & GMDs
- Manifestation info—currently stored in specific bib record for form & edition
- Item info—currently included in item holdings records

Example from OCLC's FictionFinder research

- 2.5+ million bib records for fiction, clustered at the work level and defined as retrievable with same normalized author/title search key
- Indexed at work level
- Displayed by work & expression (mainly language)
- Currently only records for textual items

A Project of OCLC Research

OCLC Online Computer Librar

FictionFinder

Browse | Categories

Search | Clear

ichton michael

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itle

uthor

iction Categories

Author: **crichton michael**

1 53 Works were found.

1.	Binary: Maikŭl Kŭraitŭn Changp'yŏn Sosŏl	Vers:1	★	Crichton, Michael.
2.	Congo / Michael Crichton	Vers:1	★★	Crichton, Michael.
3.	The 13th Warrior: (formerly Titled Eaters of the Dead): the Manuscript of Ibn Fadlan Relating His Experiences With the Northmen In A.D. 922	Vers:3	★★★★	Crichton, Michael,
4.	The 13th Warrior: the Manuscript of Ibn Fadlan Relating His Experiences With the Northmen In A.D. 922	Vers:1	★	Crichton, Michael,
5.	Airframe	Vers:25	★★★★★	Crichton, Michael,
6.	La Amenaza de Andromeda	Vers:3	★★	Crichton, Michael,
7.	"Andromeda."	Vers:1	★	Crichton, Michael,
8.	The Andromeda Strain	Vers:45	★★★★★	Crichton, Michael,
9.	Binary	Vers:4	★★	Crichton, Michael,
10.	Gang Guo Jing Hun	Vers:1	★★	Crichton, Michael,

1 53 Works were found.

(7) Previous Record Search Results (53 retrieved) Next Record (9)

The Andromeda strain.

Work Set Key	crichton, michael\1942/andromeda strain
Author	Crichton, Michael,
Published	Versions: 45, languages: 11
Summary	When a research satellite returns to earth contaminated with a lethal, unknown microorganism, four American scientists secretly work to find an antidote before the microbacterium erupts from the sterile environment.
Fiction Categories	Science fiction
Subjects	Arizona
	Biological weapons
	Communicable diseases
	Epidemiology
	Medicine — Research
	Science fiction.
	Space medicine
Literary Forms	English fiction

Internet

2nd page of screen

Literary Forms	English fiction
	Fiction in English.
	Fiction in English, 1900- Texts
	Fiction in English — American writers, 1945- - Texts
Special Forms	Large type books.
Also wrote as	Hudson, Jeffrey,;
	Lange, John,;
	Douglas, Michael;

English (24)
Spanish (5)
Polish (3)
Chinese (2)
French (2)
German (2)
Japanese (2)
Korean (2)
Italian (1)
Portuguese (1)

English (24)

The Andromeda strain. 1969. Crichton, Michael,		★★★★★ (2531)	
The Andromeda strain. 1993, c1969. Crichton, Michael,		★★★★ (307)	
The Andromeda strain. 1994. Crichton, Michael,		★★★★ (300)	**Large Type**
The Andromeda strain. 1970] Crichton, Michael,		★★★★ (259)	
The Andromeda strain. c1969, Crichton, Michael,		★★★★ (168)	
The Andromeda strain. c1997. Crichton, Michael,		★★★★ (128)	
The Andromeda strain. [1987], c1969 Crichton, Michael,		★★★ (94)	
The Andromeda strain. 1978, c1969. Crichton, Michael,		★★★ (77)	
The Andromeda strain. 1993 printing, 1969. Crichton, Michael,		★★★ (48)	
The Andromeda strain. c1969 Crichton, Michael,		★★★ (35)	
The Andromeda strain. 1977, c1969. Crichton, Michael,		★★★ (25)	
The Andromeda strain. 1998, c1969. Crichton, Michael,		★★★ (24)	
The Andromeda strain. 1972, c1969. Crichton, Michael,		★★★ (23)	

Internet

Manifestation Record Display - Microsoft Internet Explorer provided by Eden-Webste...

File Edit View Favorites Tools Help

Back

Address http://fictionfinder.oclc.org/WebZ/korQUERY?sessionid=01-50204-46025170&termsrch-ba%3A=00012231&next=html/kor/SWMar

Go

The Andromeda Strain. / Crichton, Michael,

Edition	[1st ed.].
Date	1969.
Publisher	New York, Knopf; [distributed by Random House]
Description	295 p. illus., maps. 22 cm.
ISBN	0224617907
OCLC #	00012231
Find it locally	

Example from RLG's Red Light Green Project

RedLightGreen -- Search - Microsoft Internet Explorer provided by Eden-Webster Lib...

File Edit View Favorites Tools Help

Address http://www.redlightgreen.com/ucwprod/servlet/ucw.servlets.UCWController?SRCHTERM=crichton+michael&MAXMATES=100&ACT

REDLIGHTGREEN SEARCH > FIND > GET rlg.org

Home | More Search Options | Help Your List | Sign In

Search

crichton michael Go!

Refine Search By

Subjects:
- United States
- English Fiction
- Large Type Books
- Science Fiction
- Books On Tape

Show More Subjects

Authors:
- Crichton, Michael
- Koepp, David
- Crichton, Michael, 1942
- Sakai, Akinobu
- 酒井昭伸

Show More Authors

Languages:
- English
- Italian
- Spanish
- Chinese
- German

Show More Languages

Viewing: 1-20 of 305 results | 20 results per page << First | < Previous | Next > | Last >>

1. Timeline, by Michael Crichton
   13 editions published between 1999 and 2003 in 4 languages.
   Primary Subject: Time Travel - Fiction
   ★★★★★
2. Disclosure, by Michael Crichton
   15 editions published between 1993 and 1998 in 6 languages.
   Primary Subject: Computer Industry - United States - Fiction
   ★★★★☆
3. Travels, by Michael Crichton
   13 editions published between 1988 and 2003 in 4 languages.
   Primary Subject: Novelists American - 20th Century - Biography
   ★★★★☆
4. Andromeda Strain, by Michael Crichton
   26 editions published between 1969 and 1998 in 7 languages.
   Primary Subject: Arizona - Fiction
   ★★★☆☆
5. Rising Sun, by Michael Crichton
   16 editions published between 1992 and 1995 in 7 languages.
   Primary Subject: Business Intelligence - Fiction
   ★★★☆☆
6. Jasper Johns, by Michael Crichton
   9 editions published between 1977 and 1994 in English.

Done Internet

Search

crichton michael Go!

Related Subjects

- Arizona - Fiction.
- Biological weapons - Fiction.
- Books on tape.
- English fiction
- Fiction in English
- Science fiction.
- United States

REDLIGHTGREEN gets results on books and other research materials owned by the most trusted research libraries, archives, and museums world-wide -- close to 120 million records.

Andromeda Strain

You are viewing one of 26 editions of this title.

Get it at your library

Author: Crichton, Michael, 1942-

Title: The Andromeda strain / Michael Crichton.

Edition: First Ballantine Books Trade Edition.

Publisher: New York : Ballentine Books, c1997.

Edition Date: 1997

Language: English

Full Details >

Add to Your List: MLA Chicago Turabian APA

Related links

See if this title is available from online booksellers.

Google search results for *"Andromeda Strain" Crichton*:

- Exponential Growth: The **Andromeda Strain**
  ... to the entire planet Earth.". Michael **Crichton** (1969) The **Andromeda Strain**, Dell, NY p247. The frightening statement in

Internet

Search

crichton michael Go!

Related Subjects

- Arizona - Fiction.
- Biological weapons - Fiction.
- Books on tape.
- English fiction
- Fiction in English
- Science fiction.
- United States

REDLIGHTGREEN allows you to start a search using your own words and refine your results quickly with the links you see onscreen.

Andromeda Strain

You are viewing one of 26 editions of this title.

Get it at your library

Author: Crichton, Michael, 1942-

Title: The Andromeda strain / Michael Crichton.

Publisher: New York : Ballantine Books, 1997, 1993.

Edition Date: 1997

Language: English

Physical Details: xiii, [288] p. : ill., maps ; 22 cm.

Subjects: Arizona–Fiction.

Genre or Form: Science fiction.

ISBN: 0-345-41898-0 (softcover)

Added info

Add to Your List: MLA Chicago Turabian APA

Related links

See if this title is available from online booksellers.

Google search results for *"Andromeda Strain" Crichton*:

Done Internet

Other 25 editions

Edition List

Andromeda Strain, by Michael Crichton

Publisher	Date	Language	Edition	Contents
Rio de Janeiro : Rocco, 1998.	1998	Portuguese		305 p.
Barcelona : Ediciones B, 1997.	1997	Spanish	1a ed.	333 p.
Barcelona : Ediciones B, 1997.	1997	Spanish	1a ed.	333 p.
New York : Ballentine Books, c1997.	1997	English	First Ballantine Books Trade Edition.	286 p.
New York : Ballantine Books, 1997, 1993.	1997	English		xiii, [288] p.
Taibei Shi : Qing zhou chu ban she, 1996. □北市 : 輕舟出版社, 1996.	1996	Chinese		317 p.
Sŏul T□ŭkpyŏlsi : K□ŭnnamu, 1995. 서울특별시 : 큰나무, 1995.	1995	Korean	Ch□op□an.	378 p.
Xianggang : Bo yi chu ban ji tuan you xian gong si, 1995. 香港 : 博益出版集團有限公司, 1995.	1995	Chinese		2 v. (472 p.)
Hampton, N.H. : Eagle Large Print, 1994.	1994	English		xiii, 310 p. (large print)
New York : Random House Audio Publishing, p1994.	1994	English		2 sound cassettes (3 hrs.

Related links

See if this title is available from online booksellers.

Google search results for *"Andromeda Strain" Crichton*:

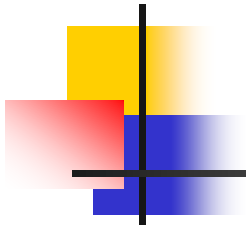
- Exponential Growth: The **Andromeda Strain**
  ... to the entire planet Earth.". Michael **Crichton** (1969) The **Andromeda Strain**, Dell, NY p247. The frightening statement in **Crichton's ...**
- Classic Science Fiction Reviews: The **Andromeda Strain**
  ... The **Andromeda Strain**. By Michael **Crichton**. Ballantine Books. $6.99/$8.99 Canada. **...** Michael **Crichton's** The **Andromeda Strain** is a science fiction landmark. **...**
- Michael **Crichton**: From Scientist to Novelist
  ... When **Crichton** published The **Andromeda Strain**, he was a young scientist (a medical doctor) writing a book about a scientific problem. **...**
- Michael **Crichton's** " The **Andromeda Strain**" - **Crichton**, Michael
  Literature "Michael **Crichton's** " The **Andromeda Strain**"". Created by player futuray << Return to Homepage. Hard to believe this was written in '69. **...**
- The **Andromeda Strain Crichton**: Books: Find the best prices
  ... Book, Computer, Electronics, Movie, Music, Email, Video Game, Credit Card, Sell Books, Search the web for Title: The **Andromeda Strain** Author: **Crichton**, Total Results: 12. **...**

Internet

Cataloging implications: 2 possible models

- Bib records could exist for each work, expression, & manifestation, containing only data elements appropriate to that level, with "inheritance" to lower levels
- Bib records could be identical to current ones, with possible additions for works or expressions

- First way would need system to <u>deconstruct</u> traditional records into separate work, expression, & manifestation records
- Second way would need system to <u>generate</u> work & expression labels from traditional records



AACR3, due out in 2006, will incorporate FRBR terminology and concepts

Bibliographic utilities & LC are scrambling to make systems compatible with FRBR structures

Workflow implications

- Types of records needing this include some of the oldest records in the database
- Work or expression-level records would be needed <u>after</u> the manifestation-level record is created
- Need way to identify records needing augmentation sooner

What records will need it?

- 20% of works in WorldCat have 2 or more manifestations
- 1% of records in WorldCat have 8 or more manifestations
- Some biggies: Bible, Shakespeare, Homer, Dickens, Marx, & Freud

FRBR benefits to the catalog

- Accommodate various user needs by supplying different views of the bibliographic database
- Enhance retrieval by collapsing near-duplicate items in hierarchy
- Increase cataloging productivity by merging information from multiple records so most appropriate info can be added to any new record

FRBRized catalog would have:

- Improved indexing, sorting, & displays of information
- Improved navigation, based on more user-centered collocation
- More explicit indication of relationships between items

Some links to check out

- ALEG: http://www.austlit.edu.au/
- RLG's Red Light Green: http://www.rlg.org/redlightgreen/index.html
- OCLC's FictionFinder: http://www.oclc.org/research/projects/frbr/fictionfinder.htm
- 2004 IUG presentation by Sanders, Conrad, & Wu
- Paper by Denton: http://www.miskatonic.org/library/frbr.html
- IFLA FRBR Final Report: http://www.ifla.org/VII/s13/frbr/frbr.pdf

- FRBR display tools
  - http://www.loc.gov/marc/marc-functional-analysis/tool.html
  - http://www.oclc.org/research/software/frbr/default.htm