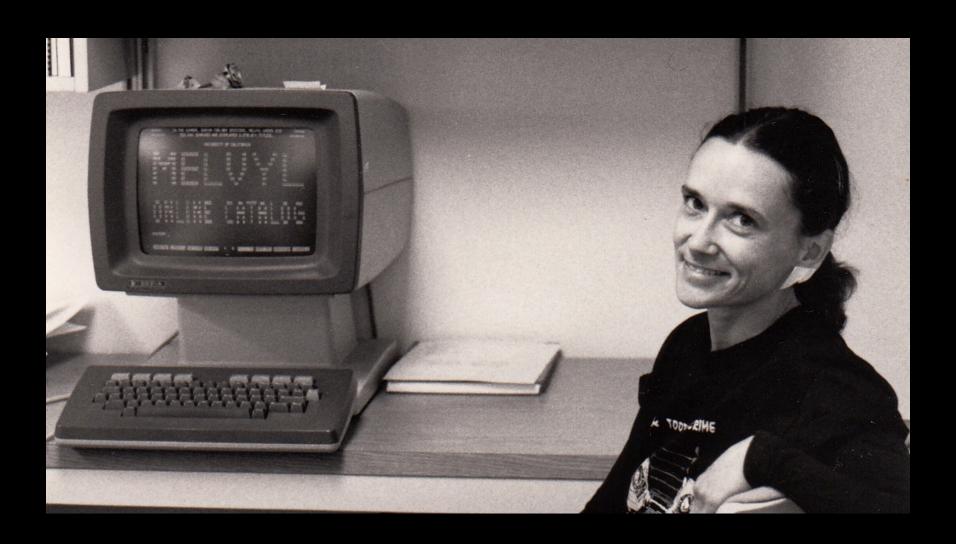
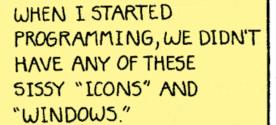
Mistakes Misteaks have been made

SWIB 2015 Karen Coyle



circa 1984







ALL WE HAD WERE ZEROS AND ONES -- AND SOMETIMES WE DIDN'T EVEN HAVE ONES.



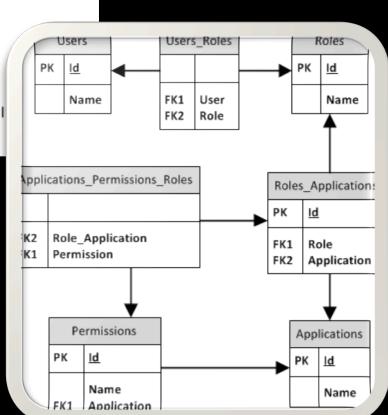
I WROTE AN ENTIRE DATABASE PROGRAM USING ONLY ZEROS.

YOU HAD ZEROS? WE HAD TO USE THE LETTER "O."





- 050 00 |a UA927 |b .M23 1961
- 100 1_ Ja Mack, Raymond W.
- 245 14 |a The occasion instant : |b the structure of social responses to unanticipated air raid warnings / |c by Raymond W. Mack, George W. Baker ; Foreword by Robin M. Williams, Jr.
- 260 __ |a Washington, |b National Academy of Sciences-National Research Council, |c 1961.
- 300 __ |a xv, 69 p.; |c 25 cm.
- 490 1_ |a National Research Council (U.S.). Disaster Research Group. Disaster study, |v no. 15
- 500 __ |a National Research Council. Publication 945.
- 504 __ |a Includes bibliographical references (p. 65-69).
- 650 _0 |a Civil defense |z United States.
- 650 _0 |a Air warfare |x Psychological aspects.
- 700 1_ |a Baker, George W. |q (George Walter), |d 1915- |e joint author.
- 810 2_ |a National Research Council (U.S.). |b Disaster Research Group. | study; |v no. 15.
- 830 _0 |a Publication (National Research Council (U.S.)); |v 945.



Tucoming uc bib. record 008 ... 1979 ... 100 \$a Cole, John Young \$d 1940 - Update 245 \$a For Congress and the Nation 260 \$a washington \$b Library of Congress \$c 1979 610 \$a Library of Congress 610 \$a Library of Congress 610 \$a Library of Congress 610 \$a Library of Congress

INDEX CONTROL FILE

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3	DA	1979
	PA	01
133	CA	11
Keyterm	TI	21
(*_	Su	31, 32

BIBLIDGRAPHIC FILE

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245	\$a For Congress and the Nation
260	\$a washington \$b Library of Congress \$c 1979
	AC# 1, site 1
610	AC# 1, Site 4
710	Ac# 1, Site 1

KEYTERN FILES

ISN	Keywords & exact keys
PA → (01	COLE JOHN YOUNG
(11	UNITED STATES LIBRARY COUGRESS CONGRESSIONAL
ca →	LIBRARY OF CONGRESS
• • •	UNITES STATES LIBRARY OF CONGRESS
	CONSRESSIONAL LIBRARY
TI -> (21)	FOR CONSRESS NATION)

(31	LINITED	STATES	LIBRARY	CON	6eess	CONGR	ESSIONAL				
	LIBRAR	y OF C	OUGRES	5							
	LIVITED STATES LIBRARY OF CONGRESS										
	CONGRE	SSION	AL LIBR	LARY							
32	UNITED	STATE	S LIBRI	ARY	CONG	RESS	CONGRESSIONA	AL.	HISTORY		
	LIBRAR	y of a	DUGRES	ss H	STO	·u					
	UNITED	UNITED STATES LIBRARY OF CONGRESS HISTORY									
	CONGRE	SSION	AL LIB	PAR	4	1675	4				

Incoming LC authority record

110 Ba Library of Congress 410 Ba United States Bb Library of Congress 410 Ba Congressional Library

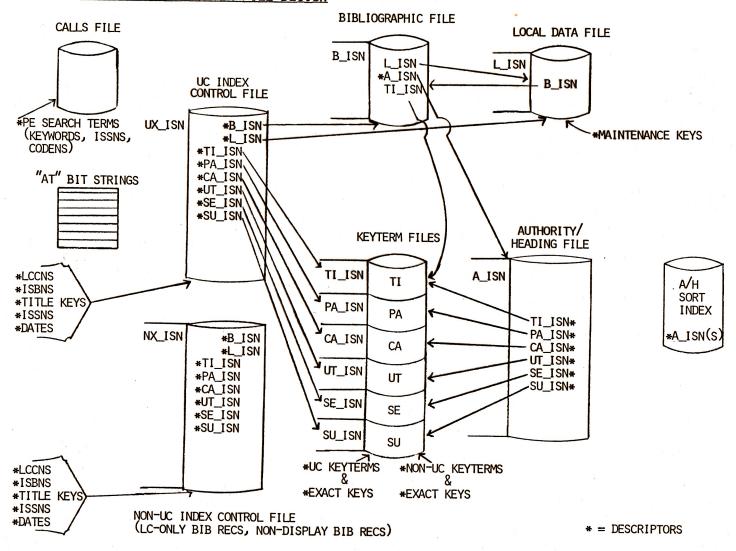
AC up-

AUTHORITY FILE

ISN	Site	Tag	Text	Key PA		Su.	
\bigcap	1	110	\$ a Library of Cougress		11	31	1
	2		\$a United States				
1			\$6 Library of Cougress				
	3	410	La Congressional Library				l
	4	NAC	\$x history			32	

2	1	100	\$a Cole, John Young \$d 1940-	01	
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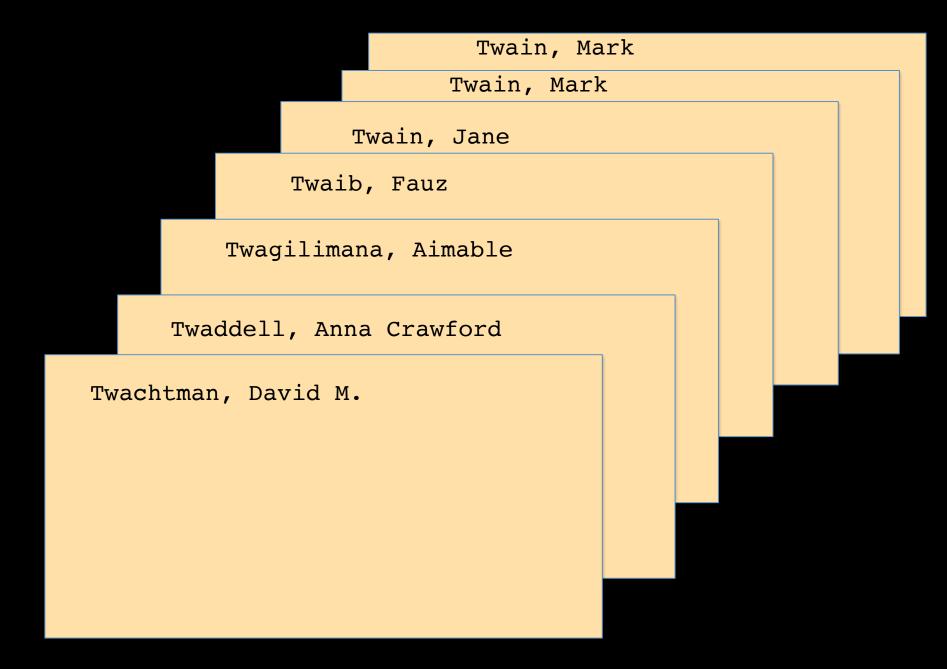
UNION CATALOG SYSTEM FILE DESIGN



De la Cruz, Melissa Cervantes Saavedra, Miguel de

Lake Erie, Battle of, 1813

Erie, Lake



Our Bibliographic Model(s)

or, 135 years without a major change in how we do things



1875

OBJECTS. *

- 1. To enable a person to find a book of which either

 - (A) the author
 (B) the title
 (C) the subject
 is known.
- 2. To show what the library has
 - (D) by a given author
 - (E) on a given subject
 - (F) in a given kind of literature.
- 3. To assist in the choice of a book.
 - (G) as to its edition (bibliographically).
 - (н) as to its character (literary or topical).

1961

- 2. Functions of the Catalogue
 - The catalogue should be an efficient instrument for ascertaining
 - 2.1 whether the library contains a particular book specified by
 - (a) its author and title, or
 - (b) if the author is not named in the book, its title alone, or
 - (c) if author and title are inappropriate or insufficient for identification, a suitable substitute for the title; and
 - 2.2 (a) which works by a particular author and
 - (b) which editions of a particular work are in the library.

86 years of progress

OBJECTS.*

- 1. To enable a person to find a book of which either
 - (A) the author
 - (B) the title \(\rightarrow\) is known.
 - (c) the subject)
- 2. To show what the library has
 - (D) by a given author
 - (E) on a given subject
 - (F) in a given kind of literature.
- 3. To assist in the choice of a book.
 - (G) as to its edition (bibliographically).
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- 2. Functions of the Catalogue
 - The catalogue should be an efficient instrument for ascertaining
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 - (a) its author and title, or
 - (b) if the author is not named in the book, its title alone, or
 - (c) if author and title are inappropriate or insufficient for identification, a suitable substitute for the title; and
 - 2.2 (a) which works by a particular author and
 - (b) which editions of a particular work are in the library.

FRBR-zed ICP

OBJECTS.*

- 1. To enable a person to find a book of which either
 - (A) the author
 - (B) the title
 - is known. (c) the subject)
- 2. To show what the library has
 - (D) by a given author
 - (E) on a given subject
 - (F) in a given kind of literature.
- 3. To assist in the choice of a book
 - (c) as to its edition (bibliographically).
 - (H) as to its character (literary or topical).

1998

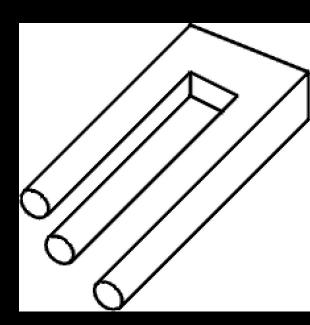
- Find all manifestations embodying:
 - the works for which a given person or corporate body is responsible
 - the various expressions of a given work
 - works on a given subject
 - works in a given series
- Find a particular manifestation:
 - when the name(s) of the *person(s)* and/or *corporate body(ies)* responsible for the work(s) embodied in the manifestation is (are) known
 - when the title of the manifestation is known
 - when the manifestation identifier is known
- Identify a work
- Identify an expression of a work
- Identify a manifestation
- Select a work
- Select an expression

FRBR – what you should know

Even if you'd rather not

FRBR – what you should know

Even if you'd rather not



FRBR – what you should know

Even if you'd rather not



Timeline

- 1990 Stockholm meeting (IFLA)
- 1992 Terms of reference completed
- 1994 First draft for comment
- 1998 Final draft
- 2009 Current draft
- 2013 RDA implemented
- 2015 ??

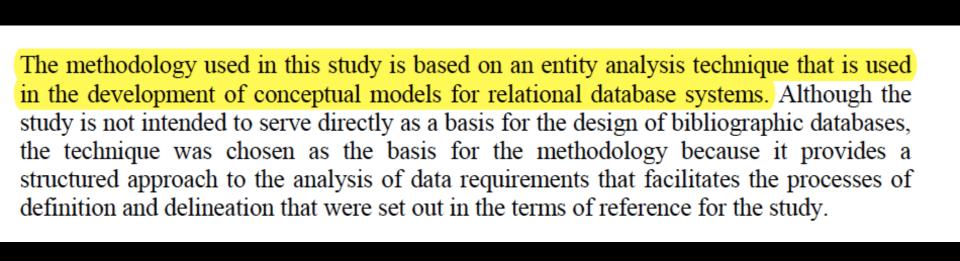
FRBR Study Goals

- Framework for understanding bibliographic record <u>purposes</u>
- Recommend basic level of functionality <u>for</u> <u>national library bibliographic records</u>
- Develop core-level standard to <u>reduce</u> cataloging costs
- Ensure that records meet user needs

Terms of Reference* Deliverables

- Framework with a range of entities and relationships
- Define functions for entities
- Identify attributes for entities
- Define a national bibliographic record

^{*}Cites Data Analysis; the Key to Database Design, by Richard Perkinson, 1984

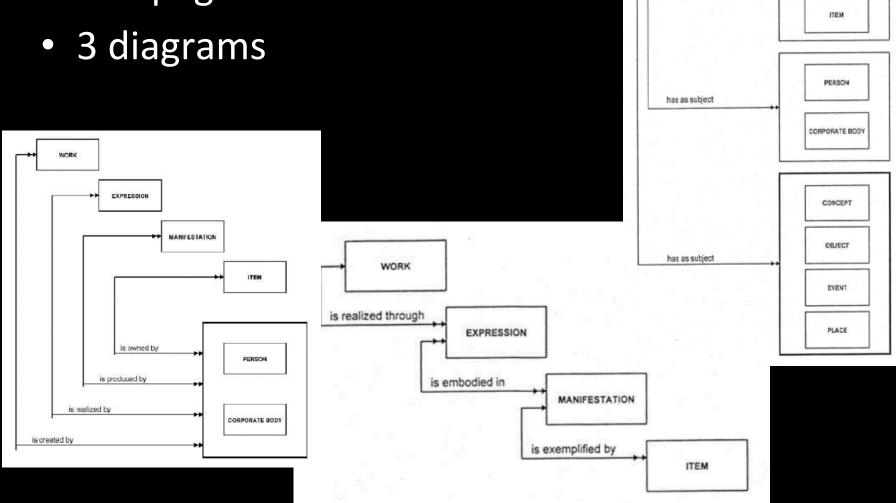


FRBR final report, "Methodology" section

The entity-relationship analysis technique and the conventions for graphic presentation that are used in this study are based in large part on the methodology developed by James Martin and outlined in his book *Strategic Data-Planning Methodologies* (Prentice-Hall, 1982). Graeme Simsion's *Data Modeling Essentials* (Van Nostrand Reinhold, 1994), Richard Perkinson's *Data Analysis: the Key to Data Base Design* (QED Information Sciences, 1984), and Ramez Elmasri and Shamkant Navanthe's *Fundamentals of Database Systems* (Benjamin/Cummings, 1989) were also used in shaping the methodology for the study. All four books are recommended to those who are interested in additional background and more detail on entity-relationship analysis.

The study results

142 pages of text



WORK

has as subject

WORK

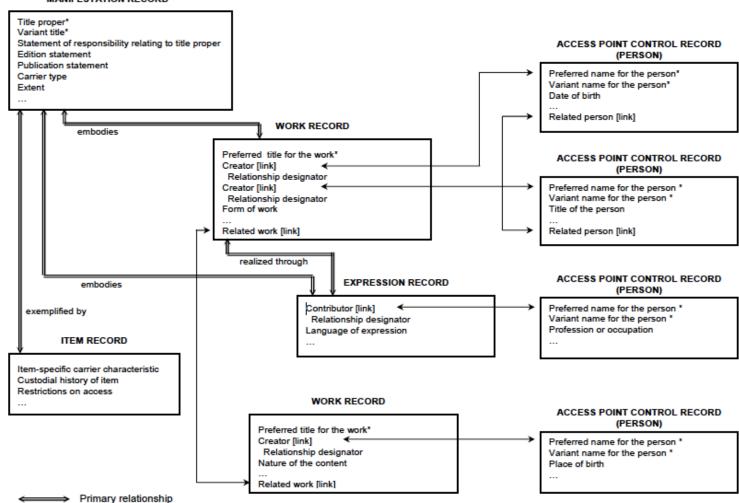
EXPRESSION

MANIFESTATION

"FRBR is not a data model. FRBR is not a metadata scheme. FRBR is not a system design structure. It is a conceptual model of the bibliographic universe." B. Tillett, 2005



MANIFESTATION RECORD





4/

Tucoming uc bib. record 008... 1979... 100 \$a Cole, John Young \$d 1940- Update 245 \$a For Congress and the Nation 260 \$a washington \$b Library of Congress \$c 1979 610 \$a Library of Congress 610 \$a Library of Congress 710 \$a Library of Congress

INDEX CONTROL FILE

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Keyterm 13N'S	TI	21
\\\	Su	31, 32

BIBLIDGRAPHIC FILE

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260	\$a Washington \$b Library of Congress \$c 1979
640	
610	AC# 1, site 4
710	Ac# 1, site 1
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KEYTERN FILES

ISN	Keywords & exact keys
PA → (01	COLE JOHN YOUNG
(11	UNITED STATES LIBRARY COUGRESS CONGRESSIONAL
CA →	LIBRARY OF CONGRESS
	UNITES STATES LIBEARY OF CONCLESS
	CONSRESSIONAL LIBRARY
TI → (21	FOR COUSRESS NATION)

(31	UNITED	STATES !	LBRARY	CONG	EESS	CONGR	ESSIONAL			
		y OF Co							•	
	LUITEL	STATE	S LIBE	ARY	OF (CONSE	ESS			
	CONGRE	SSION+	IL TIBE	LARY						
32	UNITED	STATES	s LIBRI	ARY	CONG	RESS	CONGRESSI	DNAL	HISTORY	
	LIBRAR	of Ca	MORE	SS H	15TO E	u			111010101	
	UNITED	UNITED STATES LIBRARY OF CONSCESS HISTORY								
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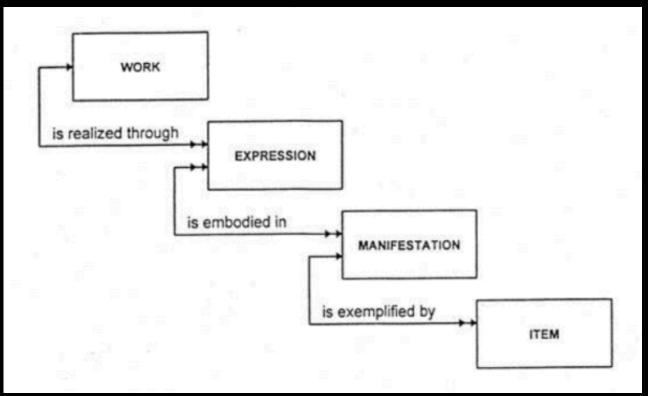
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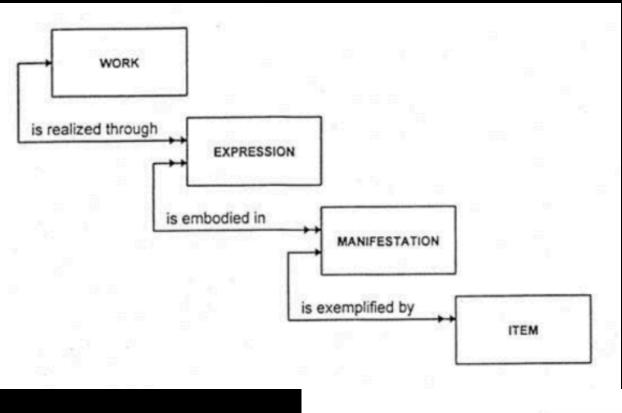
110 \$a Library of Cougress 410 \$a United States \$b Library of Congress 410 \$a Congressional Library

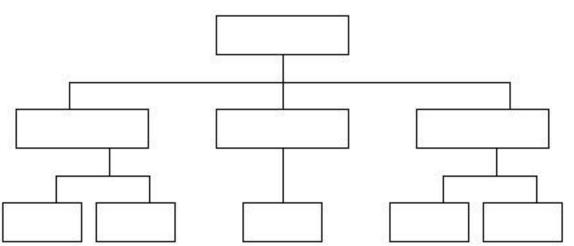
AUTHORITY FILE

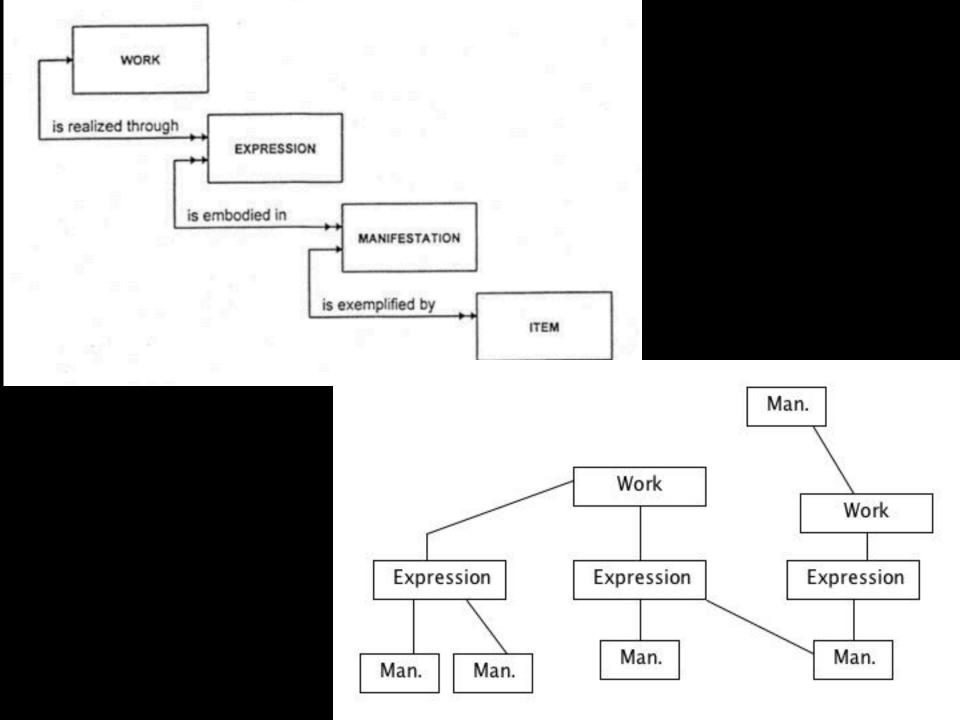
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NCI	Jite	Tag	Text	PA	CA	su	
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			\$a United States				
1			\$b Library of Cougress				
	3	410	La Congressional Library				
	4	NAC	#x history			32	

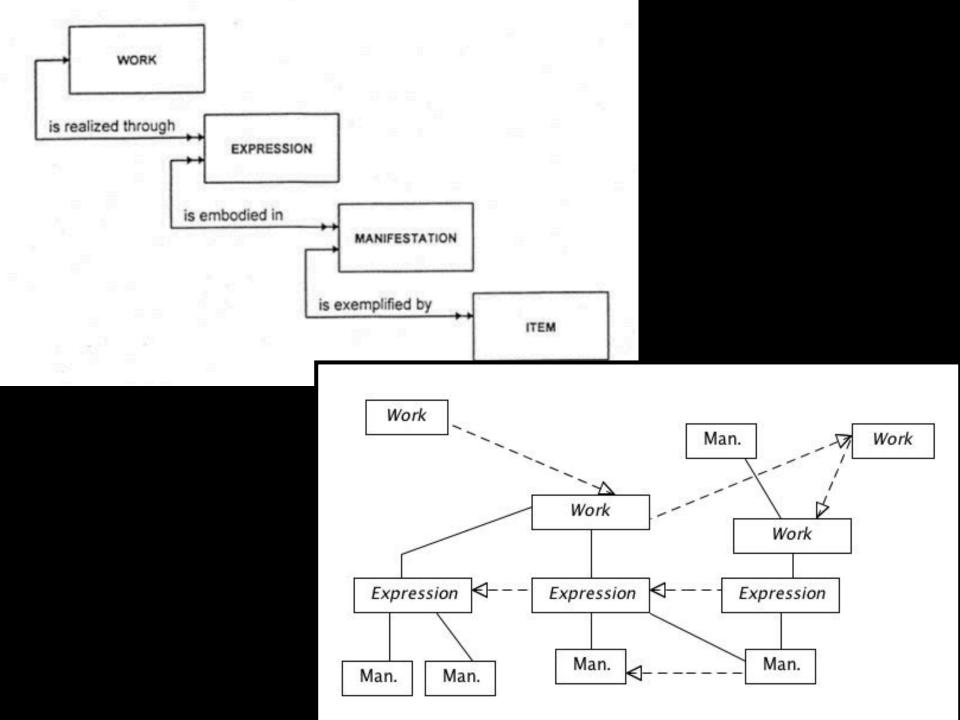
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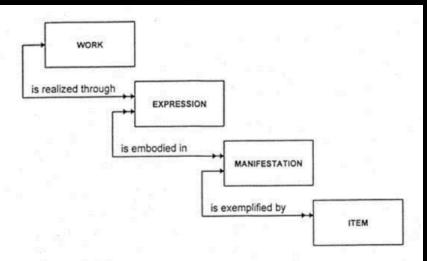
Work-ness

Because the notion of a *work* is abstract, it is difficult to define precise boundaries for the entity. The concept of what constitutes a *work* and where the line of demarcation lies between one *work* and another may in fact be viewed differently from one culture to another. Consequently the bibliographic conventions established by various cultures or national groups may differ in terms of the criteria they use for determining the boundaries between one *work* and another.

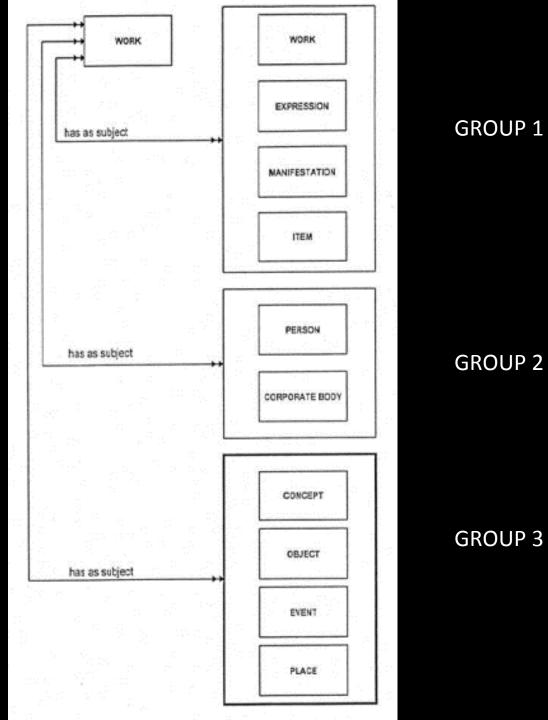
WEMI

expression: the intellectual or artistic realization of a work in the form of alphanumeric etc.

manifestation: the physical embodiment of an expression of a work.







THE USER IN FRBR

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FRBR user tasks



OBJECTS

1. To enable a person to find a book of which either

(A) the author
(B) the title
(C) the subject
is known.

2. To show what the library has

Find

Identify

Select

(D) by a given author

(E) on a given subject

(F) in a given kind of literature.

3. To assist in the choice of a book

(G) as to its edition (bibliographically).

(н) as to its character (literary or topical).

FRBR user tasks



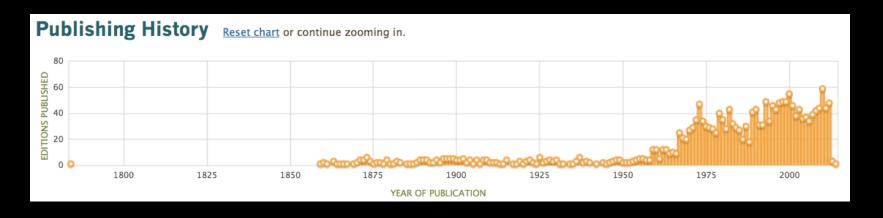


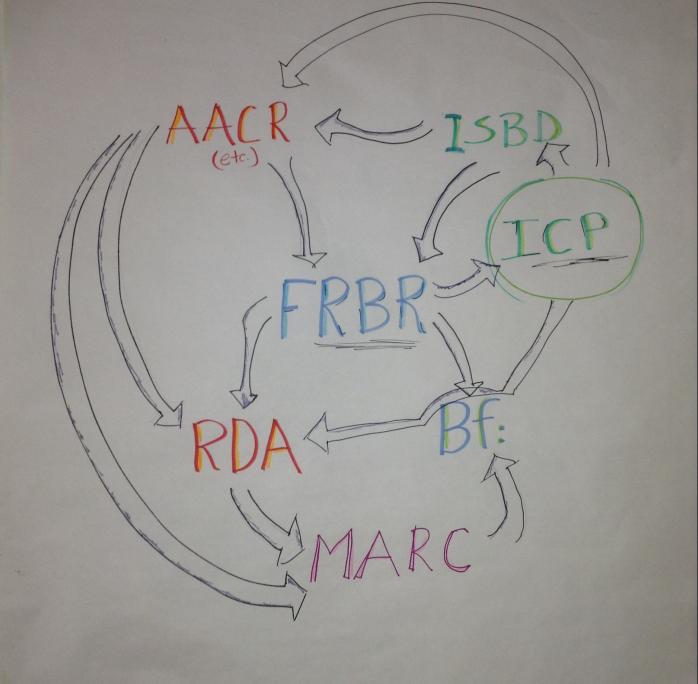
Table 6.3 Attributes and Relationships of Manifestations

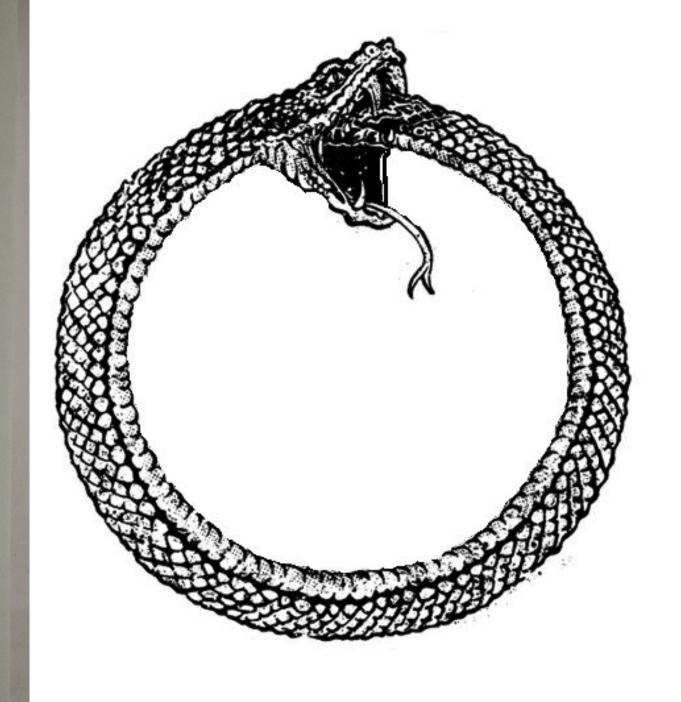
	Find				Identity				Select				Obtain			
	Work	Expression	Manifestation	Item	Work	Expression	Manifestation	Item	Work	Expression	Manifestation	Item	Work	Expression	Manifestation	Item
Attributes of a Manifestation					,							7				7
Title of the manifestation																
Statement of responsibility										•	•					
Edition/issue designation										•	•					
Place of publication/distribution							0		0	0	0					
Publisher/distributor			0							0						*** ***
Date of publication/distribution			0								•					
Fabricator/manufacturer (note 1)			0				0				0					
Series statement									3							
Form of carrier											•					
Extent of the carrier (note 2)																
Physical medium (note 3)											0					
Capture mode							0									S 8
Dimensions of the carrier (note 4)							0									
Manifestation identifier																

National Level Bibliographic Record

7.3	Basic Level National Bibliographic Record	. 108
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IN CONTEXT – FRBR, RDA, BIBFRAME





"conceptual"

- Not a technology
- No record design
- Forget the diagrams they don't mean anything
- It does not produce significantly different bibliographic data
- RDA is the only implementation, and it isn't a technology or record design

To Do List

WE NEED A NEW TECHNOLOGY!

WE NEED A NEW TECHNOLOGY!

WE NEED DATA AND TECHNOLOGY THAT WORK TOGETHER

WE NEED DATA AND TECHNOLOGY THAT ARE APPROPRIATE TO OUR GOALS

WE NEED NEW GOALS

Current goals are a list of what we will let them do

GOALS BASED ON WHAT USERS WANT TO DO

Thank you!

kcoyle.net

~1K

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450000100080000000500170000800800410002503500210006690 600450008795501100013201000170024202000250025904000250 028405000250030908200170033410000220035124500590037325 000170043226000430044930000210049265000420051365500280 0555655002900583991006400612299696020021115113056.0930 519r1992 nyu 000 1 eng 9(DLC) 93025127 a7bcbccorignewd1eocipf19gy-gencatlg apc20 to la00 05-19-93; lh05 05-20-93; lh06 05-20-93; lk46 05-21-93; aa21 05-24-93; CIP ver. pv08 02-03-94 a 93025127 a0060177500 :c\$20.00 aDLCcDLCdDLCdOCoLC00aPR6066.R34bS63 199200a823/.9142201 aPratchett, Terry.10aSmall gods: ba novel of Discworld /cTerry Pratchett. a1st U.S. ed. aNew York, NY:bHarperCollins,cc1992. a272 p.;c25 cm. 0aDiscworld (Imaginary place)xFiction. 7aFantasy fiction.2gsafd 7aHumorous fiction.2gsafd bc-GenCollhPR6066.R34iS63 1992p00019006281tCopy 1wBOOKS

~1K

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1992p00019006281tCopy 1wB00KS" .