



### Bibliographic Standards, MARC21 and Koha

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# Bibliographic Record?

- Bibliographic description stored either manually or electronically.
- Information about an item, recorded in a standard format and held in a database. Cards / online catalog.
- Bib record includes call number, author, title, publication information, paging, subject headings, etc.
- Uses Character strings, including a record label, a directory, and a bibliographic data describing one entity.

# Bibliographic Record Formats - Why?

- Different file formats for exchange of bibliographic data
- Exchange formats were developed in parallel with development of computers and other electronic storage devices
- Affects economies by reducing the duplication of effort.
- Different country and organization developed their own format. But there was no co-ordination between these organizations.
- UNESCO, IFLA, ICSU-AB, UNISIST, ISO have taken many steps towards the standardization of Bibliographic exchange format.

### **Exchange Formats**

- Format: a carrier for data between two systems e.g. two library automation systems webserver and personal computer
- Format is the set of rules governing the data structure and content?
- ISO 2709: format for bibliographic information interchange on magnetic tape
- 3-digit tags for content, described in appropriate MARC, UNIMARC or CCF manual

# MARC – MAchine Readable Catalogue?

- MARC: MAchine-Readable Cataloguing record. "Machine-readable" means that one particular type of machine, a computer, can read and interpret the data in the cataloguing record.
- Cataloguing record: "Cataloguing record" means a bibliographic record, or the information traditionally shown on a catalogue card.
- MARC, UNIMARC and CCF formats which have the common record structure based on the ISO 2709 format
  - 3-digit tags
  - subfields \$a, \$b, \$4
  - indicators of 2 characters

# MARC Machine Readable Cataloguing

- MARC standards are a set of digital formats for the description of items catalogued by libraries, such as books.
- American computer scientist **Henriette Avram** developed MARC in the 1960s to create records that could be read by computers and shared among libraries
- USMARC, UKMARC, UNIMARC, CANMARC
- MARC21

### **CCF: Common Communication Format**

- Symposium organised by the UNISIST in 1978 on Bibliographic Exchange Formats
- On recommendations of the Symposium
- UNESCO formed the adhoc group on the establishment of the CCF.
- Published in 1984, second ed. in 1988.
- Users
  - S&T sector
  - Commonly in India
  - UN agencies

### **MARC:** History

1950 – LC Plans for MARC

1963 – Feasibility Study by LC

MARC Pilot Project, LC - right choice

1967 – Experienced by 17 Libraries

MARC I – Restricted to Books

MARC II – Experience of MARC I and

Interest of BNB

1967-68 – UKMARC Pilot Project

Format Structure for all type of Materials

### **Communication Problems?**

Lack of International Cataloguing Standards

Lack of International Subject Control Systems

Variety Classification Systems

Language Difficulties.

Character Sets, Codes, Non-Roman Alphabets

Exchange of Bibliographic Records

Various Roles of National Bibliographies / Libraries

More than 30 MARCs reported

Data exchange problems

Conversion programs and their updates

### **UNIMARC: UNIversal MARC**

- Need for international 'switching' format
- UNIMARC, by IFLA, 1977
- UNIMARC Handbook, 2nd ed., 1980
- UNIMARC Manual, 1983

#### Users

- National libraries for international exchange
- Certain countries for exchange between national library and others

# **UNIMARC: Purpose and Scope?**

#### Purpose

- Facilitate the international exchange of bibliographic data in MARC form between national bibliographic agencies.
- UNIMARC a model for the development of new machine-readable bibliographic formats.

#### Scope

- Specify the content designators (tags, indicators and subfield codes)
- Covers monographs, serials, cartographic materials, music, sound recordings, graphics, projected and video materials, rare books and electronic resources.

### **UNIMARC: Solution?**

#### Features 1977 by IFLA

Co-op effort of 16 Countries

Implements ISBD

Multilingual Material

Material Specification Independent

Structure Stability – Tags, Indicators, Subfields

Abridging Format between different MARC Formats

Independent of Cataloguing Codes

Accommodates Local / Specific Data

#### **UNIMARC** based MARC Formats

SAMARC, Chinese MARC, JAPANMARC, YU-MARC (crotia)

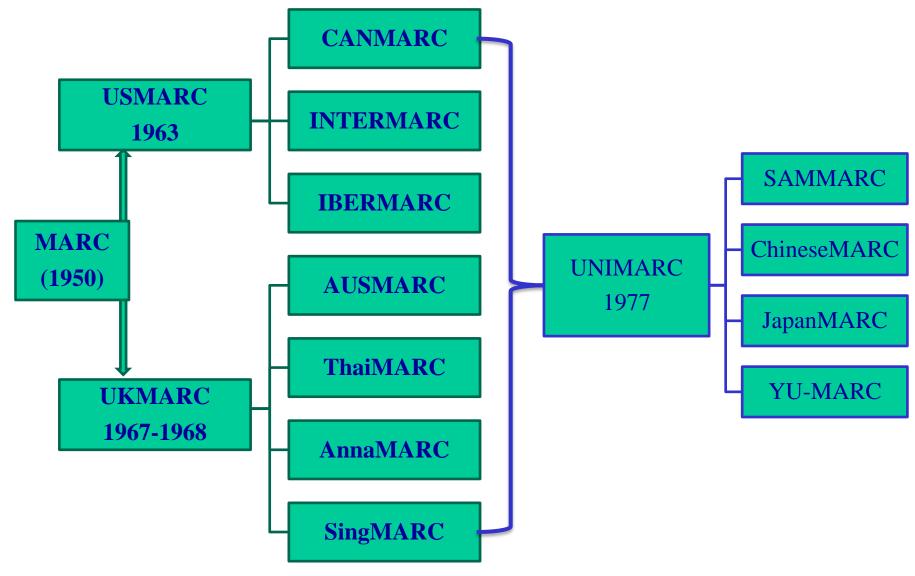
 $1^{st}$  Ed - 1977,  $2^{nd}$  Ed - 1980

Scope – Specify tags, indicators, subfiled codes

Purpose – Facilitate International Data Exchange

Format  $X \longleftrightarrow UNIMARC \longleftrightarrow Format Y$ 

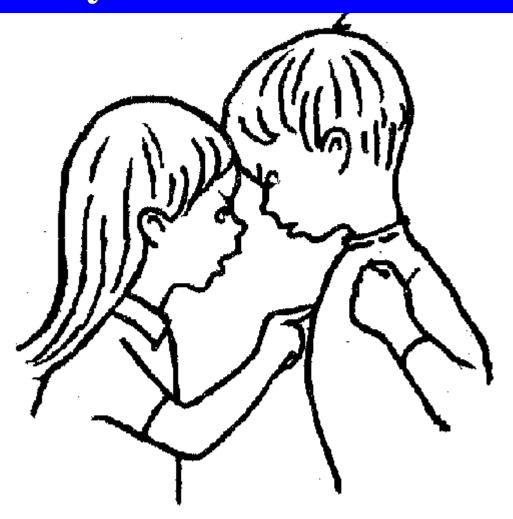
# **Summary - History of MARCs**



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# My MARC is the Best?



### **Towards MARC21**

#### • Usage of Various MARCs

USMARC	UNIMARC	UKMARC	
7	10	6	1986
11	20	4	1992

- LC and BL Meet : on 21 June 1994
  - To review principles for harmonization and simplification of USMARC and UKMARC
  - To increase the compatibility with ultimate goal to achieve one single MARC

#### MARC21

- In 1999 LC and NLC merged USMARC and CANMARC to MARC21
- Published MARC21 Format for Bibliographic Data
- MARC21 Documentation maintained by LC

#### Current Scenario

- MARC21 available in more than 20 Languages
- Many Countries / Libraries preferred to move to MARC21

### MARC21

- Formerly called US MARC
- Marketed as international
- Universality of UNIMARC not satisfactory
- National Library of Canada adopted
- British Library abandoned UKMARC
- Uses the ISO 2709 record structure
- Huge number of records available
- Format not proprietary
- Allows variable length and repeatable fields and subfields

### **MARC21 Communication Formats**

- MARC 21 Format for
  - Bibliographic Data
  - Authority Data
  - Holdings Data
  - Classification Data
  - Community Information

### **MARC21 Communication Formats**

### 1. Bibliographic Data

### 2. Holdings Data

Holdings and locations data for all types of documents

### 3. Authority Data

• Data elements that identify or control the content and content designation of a record subject to authority control

#### 4. Classification Data

• related to classification numbers and the captions associated with them.

#### 5. Community Information

• information about events, programs, services, etc. which can be integrated into public access catalogs

# MARC21 Format for Bibliographic Data

### Designed for bibliographic information about

- Printed and manuscript textual materials, computer files, maps, music, continuing resources, visual materials, and mixed materials.
- Commonly includes titles, names, subjects, notes, publication data, and information about the physical description of an item.

# **MARC21: Material Types**

- Books (BK)
- Continuing resources (CR)
- Computer files (CF)
- Maps (MP)
- Music (MU)
- Visual materials (VM)
- Mixed materials (MX)

#### **MARC21 Structure**

- MARC21 Formats are standards for the representation and communication of bibliographic and related information in machine readable format.
- It involves
  - Structure
    - Structure of MARC Record is an implementation of national and international standards like ISO 2709 / ANSI Z39.2
  - Content Designation
    - Codes and conventions established to identify explicitly and characterize further the data elements within a record and to support the manipulation of those data
  - Content
    - Data elements identified by standards outside the formats.
    - Ex. AACR, LCSH, NLMC

### MARC21: Users

- US and Canadian Libraries
- Australia, Spain, etc.
- Users of library systems which support no other format

# **MARC21: Commonly used Tags**

- 010 tag marks the Library of Congress Control Number (LCCN)
- **020 tag** marks the **International Standard Book Number** (ISBN)
- 100 tag marks a personal name main entry (author)
- **245 tag** marks the **title information** (which includes the title, other title information, and the statement of responsibility)
- 250 tag marks the edition 260 tag marks the publication information
- 300 tag marks the physical description (often referred to as the "collation" when describing books)
- 490 tag marks the series statement
- 520 tag marks the annotation or summary note
- 650 tag marks a topical subject heading
- **700 tag** marks a **personal name added entry** (joint author, editor, or illustrator)

# **AACR2R Catalogue Card**

	Brenne	r, Richard J., 1941-	
796.334	/2	Make the team. Soccer: a heads up guide to super soccer!/Richard J	
	Brenner	1st ed Boston: Little, Brown, c1990.	
		127 p. : ill. ; 19 cm.	
		"A Sports illustrated for kids book."	
		Summary: Instructions for improving soccer skills. Discusses	
	dribblin	obling, heading, playmaking, defense, conditioning, mental attitude, how to dle problems with coaches, parents, and other players, and the history of	
	handle r		
	soccer.		
		ISBN 0316107514 : \$12.95	
		1. Soccer Juvenile literature. 2. Soccer. II. Title: Heads up guide to	
	super soccer. II. Title.		
	Dewey	Class no.: 796.334/2 dc 20 89-48230	
		MARC	

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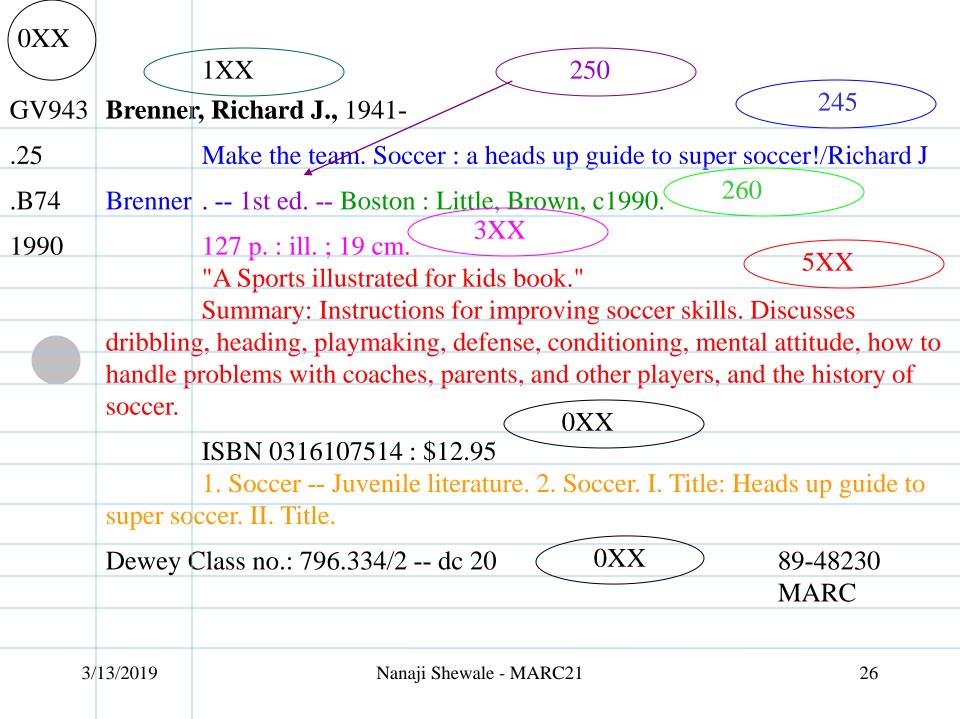
# **Areas of AACR2R Catalogue**

	Brenne	r <b>, Richard J.,</b> 1941-	
796.334	1/2	Make the team. Soccer: a heads up guide to super so	ccer!/Richard J
	Brenner	1st ed Boston: Little, Brown, c1990.	
		127 p. : ill. ; 19 cm.	
		"A Sports illustrated for kids book."	
		Summary: Instructions for improving soccer skills. D	iscusses
	dribblin	ibbling, heading, playmaking, defense, conditioning, mental attitude, how to	
	handle p	problems with coaches, parents, and other players, and	the history of
	soccer.		·
		ISBN 0316107514 : \$12.95	
		1. Soccer Juvenile literature. 2. Soccer. I. Title: Hea	ads up guide to
	super so	ccer. II. Title.	
	Dewey	Class no.: 796.334/2 dc 20	89-48230
	-		MARC

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# **Mnemonic Catalogue Record**

**TITLE:** Make the team. Soccer: a heads up guide to super soccer! / Richard J. Brenner.

**ADDED TITLE:** Heads up guide to super soccer

**AUTHOR:** Brenner, Richard J., 1941-

**PUBLISHED:** 1st ed. Boston: Little, Brown, c1990.

**MATERIAL:** 127 p. : ill. ; 19 cm.

**NOTE:** "A Sports illustrated for kids book."

**NOTE:** Instructions for improving soccer skills. Discusses dribbling, heading, playmaking, defense, conditioning, mental attitude, how to handle problems with coaches, parents, and other players, and the history of soccer.

**SUBJECT:** Soccer--Juvenile literature. Soccer.

Copies Available: GV943.25 .B74 1990

# MARC21 Record: An Example

**Leader** 01041cam 2200265 a 4500

**Control No. 001** ###89048230

**Fixed Data** 008 891101s1990 maua j 001 0 eng

**LCCN** 010 ## \$a ###89048230

**ISBN 020** ## \$a 0316107514 : \$c \$12.95

**ISBN 020** ## \$a 0316107506(pbk.):\$c \$5.95 (\$6.95Can.)

Cat. Source 040 ## \$a DLC \$c DLC \$d DLC

**LC Call No. 050 00 \$a** GV943.25 \$b .B74 1990

**Dewey No. 082 00 \$a** 796.334/2 **\$2** 20

### MARC21 Record: An Example

ME:Pers Name 100 1# \$a Brenner, Richard J., \$d 1941-

Title 245 10 \$a Make the team. \$p Soccer: \$b a heads

up guide to super soccer! / \$c Richard J. Brenner.

Variant Title 246 30 \$a Heads up guide to super soccer

**Edition** 250 ## \$a 1st ed.

**Publication** 260 ## \$a Boston : \$b Little, Brown, \$c c1990.

**Phys Desc** 300 ## \$a 127 p. : **\$b** ill. ; **\$c** 19 cm.

**Note: General** 500 ## \$a "A Sports illustrated for kids book".

**Note: Summary 520** ## \$a Instructions for improving soccer skills. Discusses dribbling, heading, playmaking, defense, conditioning, mental attitude, how to handle problems with coaches, parents, and other players, and the history of soccer.

Subj: Topical 650 #0 \$a Soccer \$v Juvenile literature.

Subj: Topical 650 #1 \$a Soccer.

# **AACR2 Catalogue Record: An Example**

	Brenne	r, Richard J., 1941-	
796.334	/2	Make the team. Soccer: a heads up guide to super soccer!/Richard J	
	Brenner	1st ed Boston: Little, Brown, c1990.	
		127 p.: ill.; 19 cm.	
		"A Sports illustrated for kids book."	
		Summary: Instructions for improving soccer skills. Discusses	
	dribblin	g, heading, playmaking, defense, conditioning, mental attitude, how to	
	handle r	problems with coaches, parents, and other players, and the history of	
	soccer.		
		ISBN 0316107514 : \$12.95	
		1. Soccer Juvenile literature. 2. Soccer. II. Title: Heads up guide to	
	super so	ccer. II. Title.	
	Dewey	Class no.: 796.334/2 dc 20 89-48230	
	<i>J</i>	MARC	

### ISO 2709 Record: An Example

01041cam 2200265 a 450000100200000000300040002000 **5**001700024**008**004100041**010**002400082**020**002500106**020**0 04400131**040**001800175**050**002400193**082**001800217**100**003 200235**245**008700267**246**003600354**250**001200390**260**00370 0402**300**002900439**500**004200468**520**022000510**650**0033007 30650001200763^###89048230#/AC/r91^DLC^19911106082 810.9<sup>8</sup>91101s1990####maua###j######000#0#eng##<sup>#</sup> a###89048230#/AC/r91^##\$a0316107514 :\$c\$12.95^##\$a 0316107506 (pbk.) :\$c\$5.95 (\$6.95 Can.)^##\$aDLC\$cD LC\$dDLC^00\$aGV943.25\$b.B74 1990^00\$a796.334/2\$220^ 10\$aBrenner, Richard J.,\$d1941-^10\$aMake the team. \$pSoccer :\$ba heads up guide to super soccer! /\$cR ichard J. Brenner. ^30\$aHeads up quide to super soc cer.^##\$a1st ed.^##\$aBoston :\$bLittle, Brown,\$cc19 90.^##\$a127 p. :\$bill. ;\$c19 cm.^##\$a"A Sports ill ustrated for kids book."^##\$aInstructions for impr oving soccer skills. Discusses dribbling, heading, playmaking, defense, conditioning, mental attitud e, how to handle problems with coaches, parents, a nd other players, and the history of soccer.^#0\$aS occer\$vJuvenile literature.^#1\$aSoccer.^\

Leader

**Directory** 

Content

#### **MARC21 Record Structure**

#### Leader

- Contains coded values and are identified by relative character position
- Define the parameters for processing the record.
- Leader is a fixed in length, 24 Characters, and
- Occurs at the beginning of each MARC record.

#### Directory

- Contains the tag, starting location and length of each field within record.
- Length of directory entry is defined in the entry map of Leader/20-23
- In MARC21, length of a directory entry is 12 characters
- It ends with a field terminator character.

#### Variable Fields

- Data content of a record is divided into variable fields.
- Variable Control Fields Coded Fields 007 & 008
- Variable Data Fields

# **MARC21 Terminologies**

#### Field:

- Each bibliographic record divided into Fields which are subdivided into subfields.
- E.g. Author, Title, Edition, etc.

#### • Subfield:

- Most fields contain several related pieces of data.
- Each type of data within the field is called subfield.
- E.g. Author Last Name, First Name, Date, etc

#### • Tag:

- Each Field is represented with a 3 digit number called a "tag"
- It identifies the field and the kind kind of data that follows.
- Tag can be Alphabetic or Numeric Z39.2, MARC21 uses only Numeric Tags
- Stored in the Directory and not in the field itself

#### • Indicator:

- Two character positions following the tag.
- One or both the positions are used. Undefined indicators are blank, i.e. #

#### Subfield Code:

One lowercase letter preceded by delimiter, indicates the type of data that follows it.

#### Delimiter:

A Character used to separate subfields. It can be @, \$, \_ or ^ as in WINISIS.

### **MARC21: Blocks and Divisions**

- OXX Control information, numbers, codes
- 1XX Main entries
- 2XX Titles, edition, imprint
- 3XX Physical description, etc.
- **4XX** Series statements
- 5XX Notes
- 6XX Subject added entries
- 7XX Added entries other than subject or series
- 8XX Series added entries (other authoritative forms)
- 9XX Used for locally-defined uses

### MARC21: 0XX

### Control Information, Numbers, Codes

- 001 Control Number
- 003 Control Number Identifier
- 005 Date and Time of Latest Transaction
- 006 Fixed-Length Data Elements Additional Material Characteristics
- 007 Physical Description Fixed Field
- 008 Fixed-Length Data Elements
- 010 Library Of Congress Control Number (NR)
- 015 National Bibliography Number (R)
- **020** International Standard Book Number (R)
- **022** International Standard Serial Number (R)
- 024 Other Standard Identifier (R)
- 040 Cataloging Source (NR)
- **082 Dewey Decimal Classification Number (R)**
- 084 Other Classification Number (R)

# MARC21: 1XX Main Entry Fields

100 - Main Entry--Personal Name (NR)

100 1#\$aAdams, Henry,\$d1838-1918.

110 - Main Entry--Corporate Name (NR)

110 1#\$aUnited States.\$bCourt of Appeals (2nd Circuit)

111 - Main Entry--Meeting Name (NR)

111 2#\$aParis Peace Conference\$d(1919-1920)

130 - Main Entry--Uniform Title (NR)

130 0#\$aBible.\$lEnglish.\$sAuthorized.\$kSelections.\$f1970.

# MARC21: 20X – 24X Title and Related information Block

- 210 Abbreviated Title (R)
- 222 Key Title (R)
- 240 Uniform Title (NR)
- 242 Translation Of Title By Cataloging Agency (R)
- 243 Collective Uniform Title (NR)
- 245 Title Statement (NR)
- 246 Varying Form Of Title (R)
- 247 Former Title (R)

#### 245: MARC21 Sub-Fileds and Indicators

#### 245 - TITLE STATEMENT (NR)

#### **Indicators**

First - Title added entry

**0** - No added entry

1 - Added entry

Second - Nonfiling characters

**0-9** - Number of nonfiling characters

#### **Subfield Codes**

\$a - Title (NR)

**\$c** - Statement of responsibility, etc. (NR)

**\$g** - Bulk dates (NR)

**\$k** - Form (R)

**\$n** - Number of part/section of a work (R)

**\$p** - Name of part/section of a work (R)

**\$b** - Remainder of title (NR)

**\$f** - Inclusive dates (NR)

**\$h** - Medium (NR)

**\$s** - Version (NR)

# MARC21: Tags, Sub-Fields and Indicators

- 245 03 \$a Le Bureau\$h[filmstrip] =\$bLa Oficina = Das Büro.
- 245 00 \$a Hamlet; \$bRomeo and Juliette; Othello...
- 245 00 \$a Oklahoma\$h[sound recording];\$bCarousel; South Pacific...
- 245 00 \$a Map of Nelson, Richmond, Motueka: \$bscale 1:20000.
- 245 15 \$a The "winter mind" :\$bWilliam Bonk and American letters /\$cBurt Kimmelman.
- 245 00 \$a Love from Joy: \$bletters from a farmer's wife. \$nPart III,\$p1987-1995, At the bungalow.

# MARC21: 25X – 28X Edition, Imprint, Etc. Fields

- **250** Edition Statement (NR)
- 254 Musical Presentation Statement (NR)
- 255 Cartographic Mathematical Data (R)
- 256 Computer File Characteristics (NR)
- 257 Country Of Producing Entity For Archival Films (NR)\
- 258 Philatelic Issue Data (R)
- **260** Publication, Distribution, Etc. (Imprint) (R)
- 263 Projected Publication Date (NR)
- 264 Production, Publication, Distribution, Manufacture, and Copyright Notice (R)
- 270 Address (R)

# MARC21: 3XX Physical Description, Etc.

#### **300 - Physical Description (R)**

- 306 Playing Time (NR)
- 307 Hours, etc. (R)
- 310 Current Publication Frequency (NR)
- 321 Former Publication Frequency (R)
- 336 Content Type (R)
- 337 Media Type (R)
- 338 Carrier Type (R)
- 340 Physical Medium (R)
- 342 Geospatial Reference Data (R)
- 343 Planar Coordinate Data (R)
- 344 Sound Characteristics (R)
- 345 Projection Characteristics of Moving Image (R)
- 346 Video Characteristics (R)
- 347 Digital File Characteristics (R)
- 348 Format of Notated Music (R)
- 351 Organization and Arrangement of Materials (R)
- 352 Digital Graphic Representation (R)

- 355 Security Classification Control (R)
- 357 Originator Dissemination Control (NR)

# 362 - Dates of Publication and/or Sequential Designation (R)

- 363 Normalized Date and Sequential Designation (R)
- 365 Trade Price (R)
- 366 Trade Availability Information (R)
- 370 Associated Place (R)
- 377 Associated Language (R)
- 380 Form of Work (R)
- 381 Other Distinguishing Characteristics of Work or Expression (R)
- 382 Medium of Performance (R)
- 383 Numeric Designation of Musical Work (R)
- 384 Key (NR)
- 385 Audience Characteristics (R)
- 386 Creator/Contributor Characteristics (R)
- 388 Time Period of Creation (R)

# MARC21: 490 / 8XX Series Statement / Series Added Entries

#### 490 - Series Statement (R)

- 800 Series Added Entry Personal Name (R)
- 810 Series Added Entry Corporate Name (R)
- 811 Series Added Entry Meeting Name (R)
- 830 Series Added Entry Uniform Title (R)

#### **MARC21: 5XX**

**500** -**General Note (R)** 501 -With Note (R) 502 -Dissertation Note (R) **504** -Bibliography, Etc. Note (R) Formatted Contents Note (R) 505 -506 -Restrictions On Access Note (R) 510 -Citation/references Note (R) **520** -Summary, Etc. (R) 521 -Target Audience Note (R) 525 -Supplement Note (R) 538 -System Details Note (R) 546 -Language Note (R) 567 -Methodology Note (R) 580 -Linking Entry Complexity Note (R) 59x -Local Notes

# MARC21:6XX Subject Access Entries

- 600 Subject Added Entry Personal Name (R)
- 610 Subject Added Entry Corporate Name (R)
- 611 Subject Added Entry Meeting Name (R)
- 630 Subject Added Entry Uniform Title (R)
- 650 Subject Added Entry Topical Term (R)
- 647 Subject Added Entry Named Event (R)
- 648 Subject Added Entry Chronological Term (R)
- 651 Subject Added Entry Geographic Name (R)
- 653 Index Term Uncontrolled (R)
- 654 Subject Added Entry Faceted Topical Terms (R)
- 655 Index Term Genre/Form (R)
- 656 Index Term Occupation (R)
- 657 Index Term Function (R)
- 658 Index Term Curriculum Objective (R)
- 662 Subject Added Entry Hierarchical Place Name (R)
- 69X Local Subject Access Fields (R)

# MARC21: 70X – 75X Added Entry Fields

- 700 Added Entry Personal Name (R)
- 710 Added Entry Corporate Name (R)
- 711 Added Entry Meeting Name (R)
- 720 Added Entry Uncontrolled Name (R)
- 730 Added Entry Uniform Title (R)
- 740 Added Entry Uncontrolled Related/Analytical Title (R)
- 751 Added Entry Geographic Name (R)
- 752 Added Entry Hierarchical Place Name (R)
- 753 System Details Access to Computer Files (R)
- 754 Added Entry Taxonomic Identification (R)
- 758 Resource Identifier (R)

# MARC21: 841 – 88X Holdings, Alternate Graphics, Etc

- 850 Holding Institution
- 852 Location (R)

852 ##\$aNational Archives and Records Service\$bGenealogical Research Recording

856 - Electronic Location and Access (R)

856 4# http://dspace.gipe.ac.in/xmlui/handle/10973/49054

856 4# https://www.loc.gov/marc/umb/

# MARC21: 942 Local Information

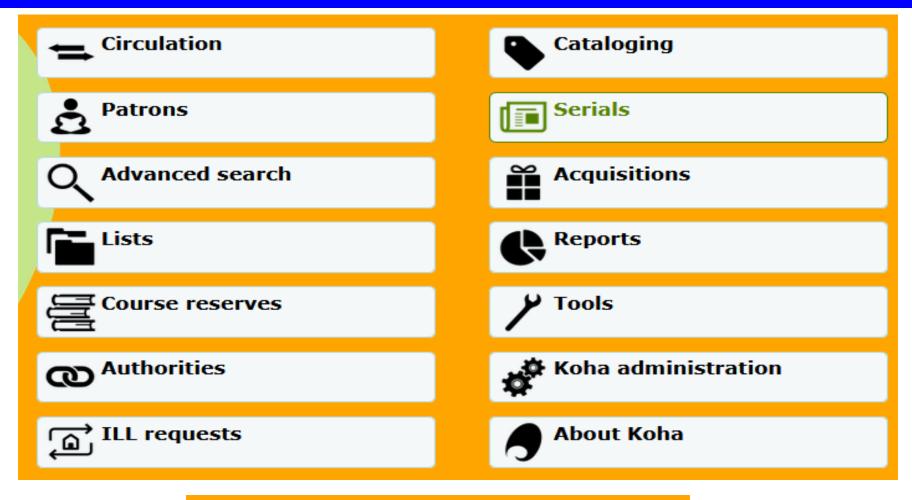
94	2	ADDED ENTRY	'ELEMENTS (KOHA) 🖘	
Δ	2	Source of classification or shelving scheme	Dewey Decimal Classification x	•
Δ	С	Koha [default] item type *	Book	•
Δ	е	Edition		•
Δ	h	Classification part		
Δ	i	Item part		
Δ	k	Call number prefix		
Δ	n	Call number suffix		
Δ	n	Suppress in OPAC		

# MARC21: 952 Copy Specific Information

0 - Withdrawn status
1 - Lost status
2 - Source of classification or shelving scheme
3 - Materials specified (bound volume or other part)
4 - Damaged status
5 - Use restrictions
7 - Not for loan
8 - Collection code
a - Permanent location
b - Current location
c - Shelving location
d - Date acquired
e - Source of acquisition
2/12/2010

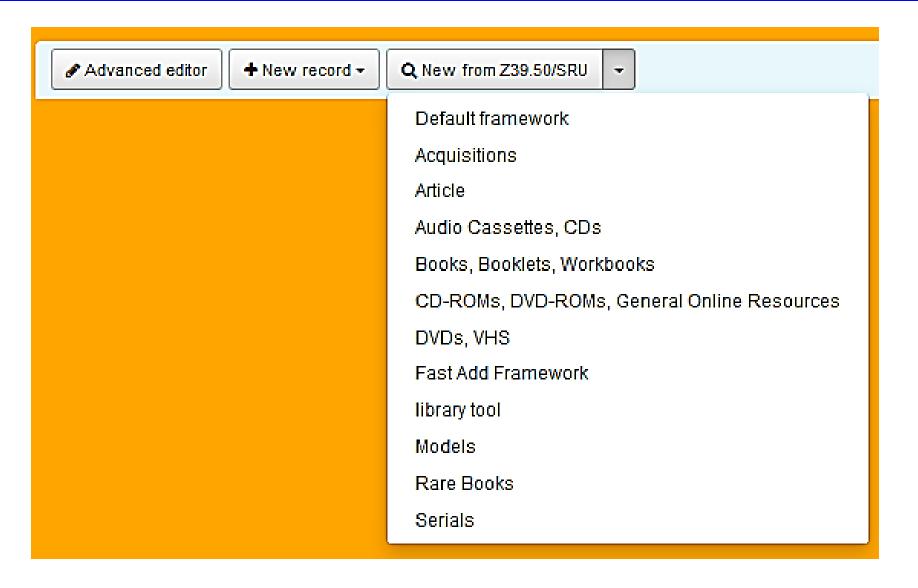
f - Coded location qualifier
g - Cost, normal purchase price
h - Serial Enumeration / chronology
j - Shelving control number
o - Full call number
p - Barcode
t - Copy number
u - Uniform Resource Identifier
v - Cost, replacement price
w - Price effective from
x - Non-public note
y - Koha item type
z - Public note

## MARC21 in Koha





### MARC21 in Koha



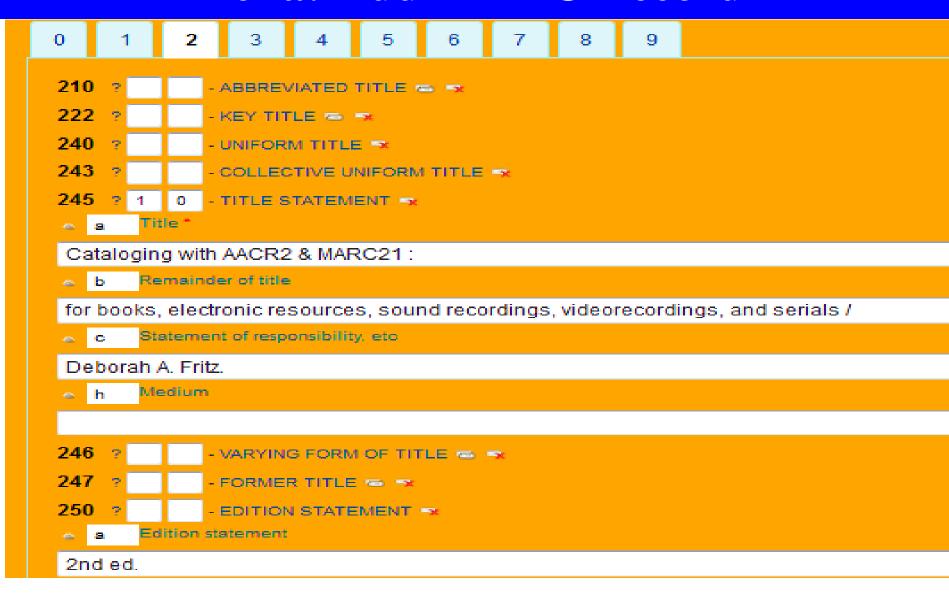
# Koha: Z39.50 Search

Z39.50/SRU search							
		Search targets					
ISBN:		✓ Select all   ★ Clear all					
ISSN:		✓ LIBRARY OF CONGRESS					
Title:	MARC21	■ MAINE INFONET					
Author:		METROPOLITAN MUSEUM OF ART					
Autiloi.		MILWAUKEE PUBLIC LIBRARY					
Subject heading:		NEW YORK UNIVERSITY LIBRARIES					
Keyword (any):		■ NHUPAC					
LC call number:		NJ INSTITUTE OF TECHNOLOGY					
		OHIOLINK					
Control no.:		OREGON STATE UNIVERSITY					
Dewey:		■ PUBCAT					
Standard ID:		▼ SEATTLE PUBLIC LIBRARY					
40		SOCIAL LAW LIBRARY					
		TEXAS A AND M					
		<del>_</del>					

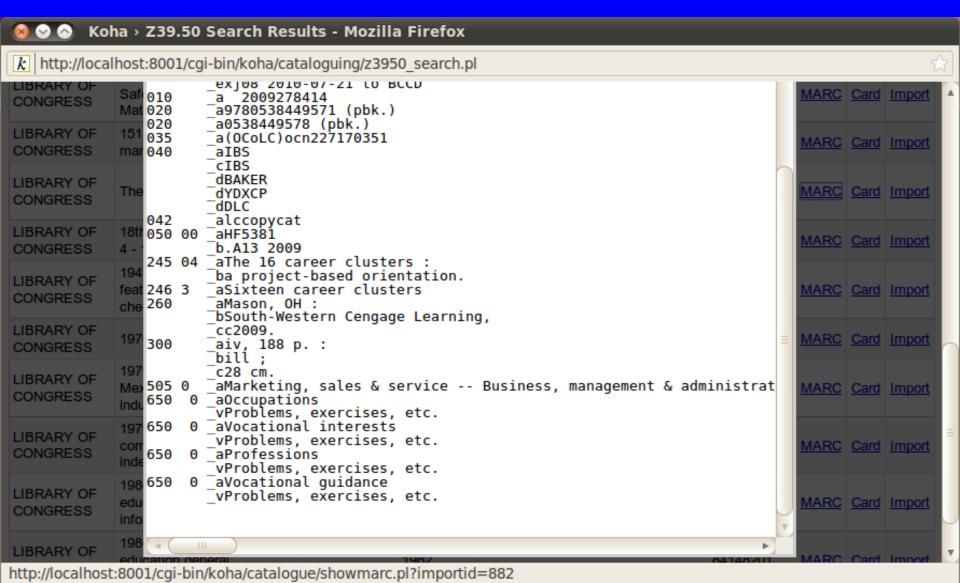
# Koha: Z39.50 Search

Server +	Title -	Author ♦	Date \$	Edition \$	ISBN	LCCN	Actions
LIBRARY OF CONGRESS	Access to East European and Eurasian culture :		2007		9780789033956 (alkpaper)   078903395X (alkpaper)   9780789033963 (pbk:alkpaper)   0789033968 (pbk:alkpaper)	2007026939	Actions •
LIBRARY OF CONGRESS	Cataloging and managing film and video collections :	Higgins, Colin,			9780838912997 (paper)	2014040988	Actions ▼
LIBRARY OF CONGRESS		Fritz, Deborah A.	2004	2nd ed.	0838908845	2004006535   MARC pre	Actions -
LIBRARY OF CONGRESS	MARC21 Character Set Bibliographic Test Record: Closing Curly Bracket.		2000			Card preview ★ Import	

## Koha: Add MARC Record



### Koha: Z39.50 Search: MARC View

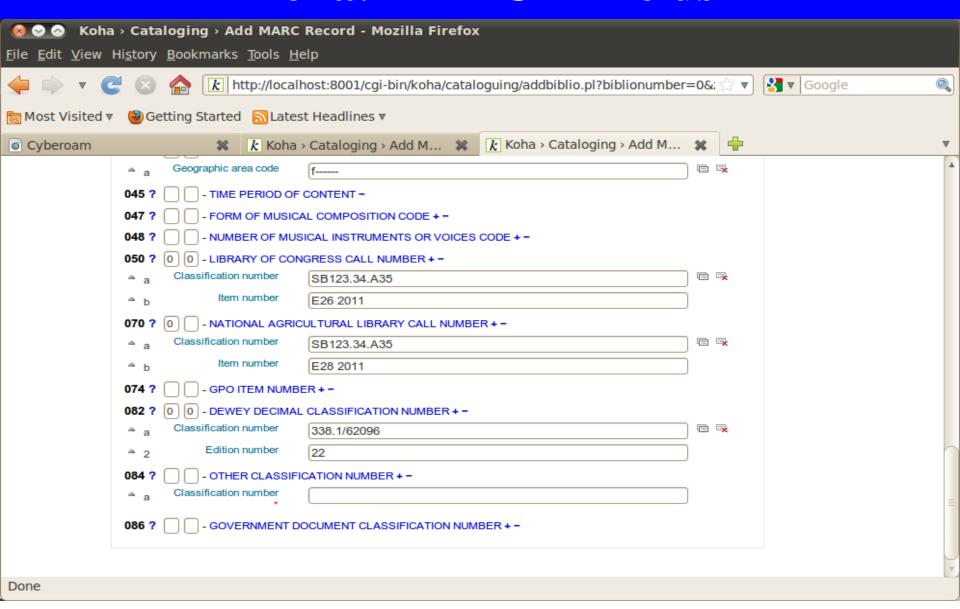


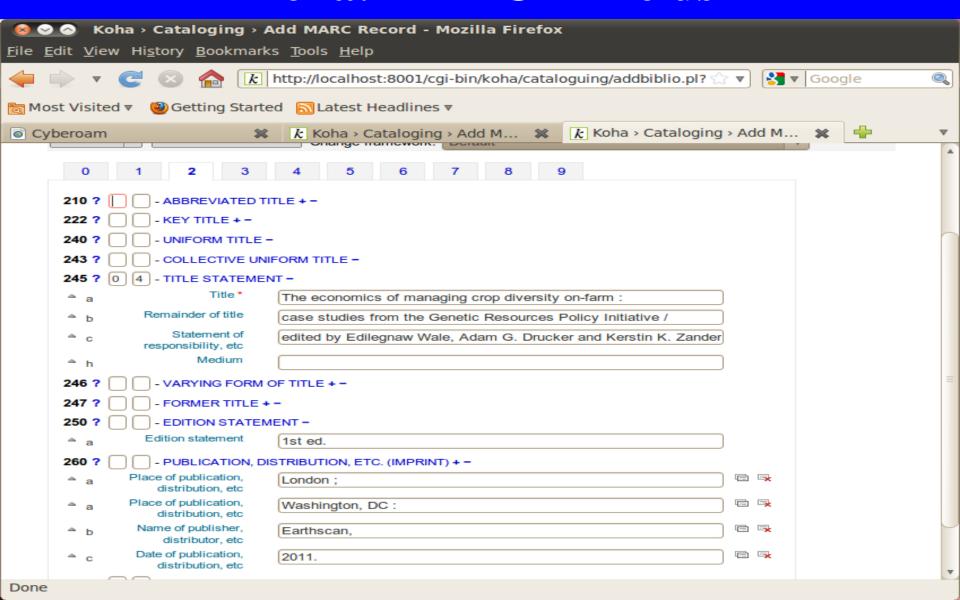
## Koha: Z39.50 Search: Card View

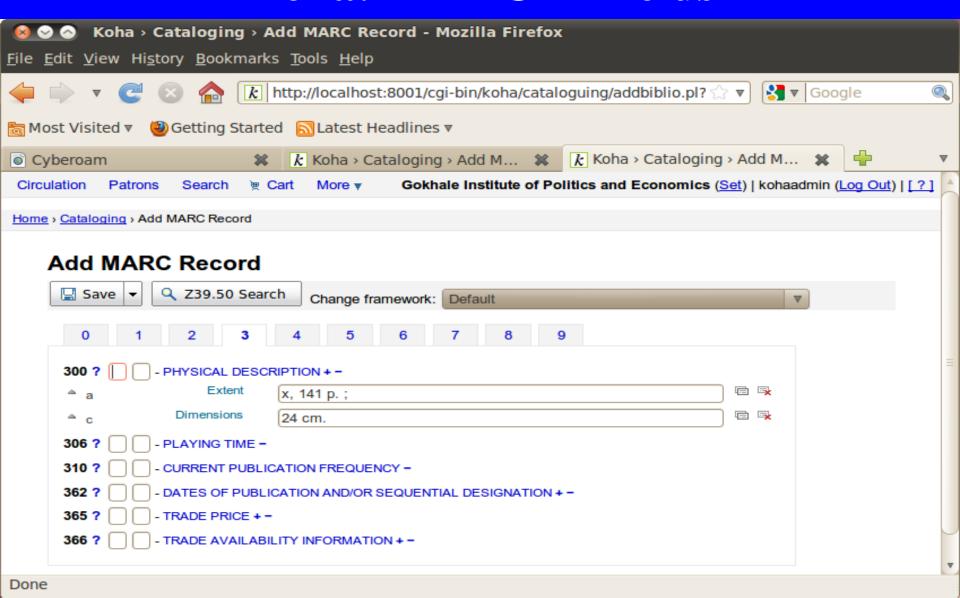


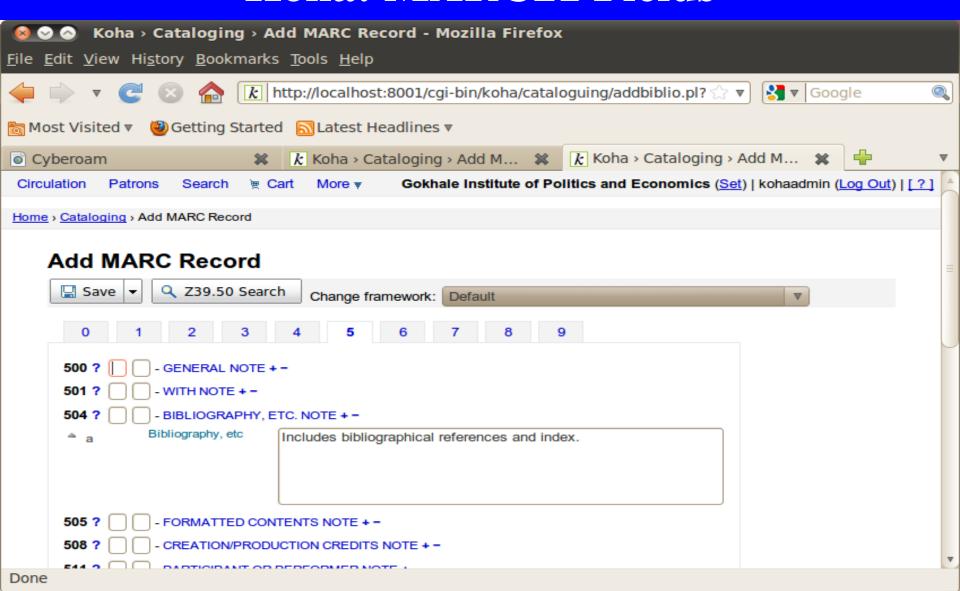
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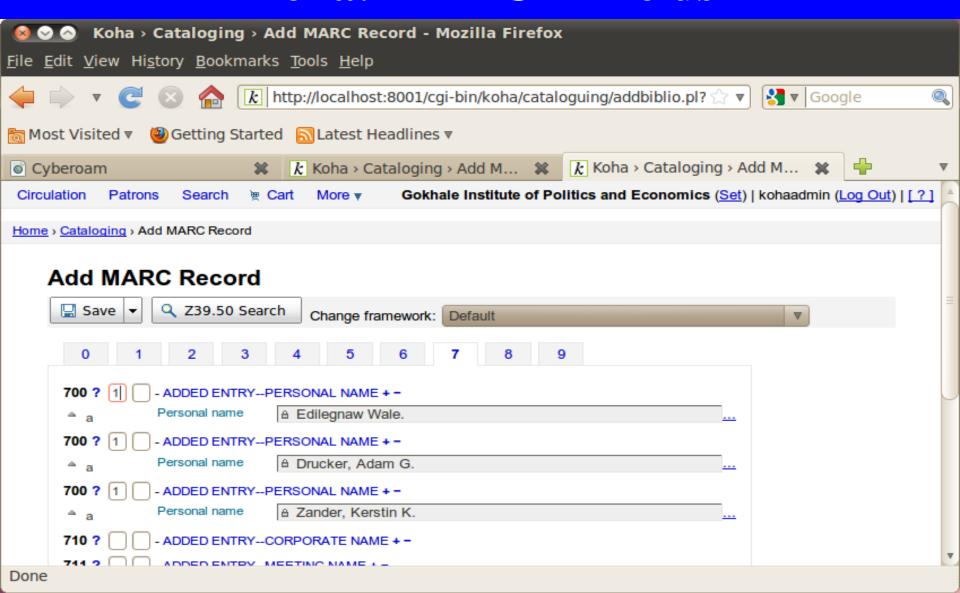




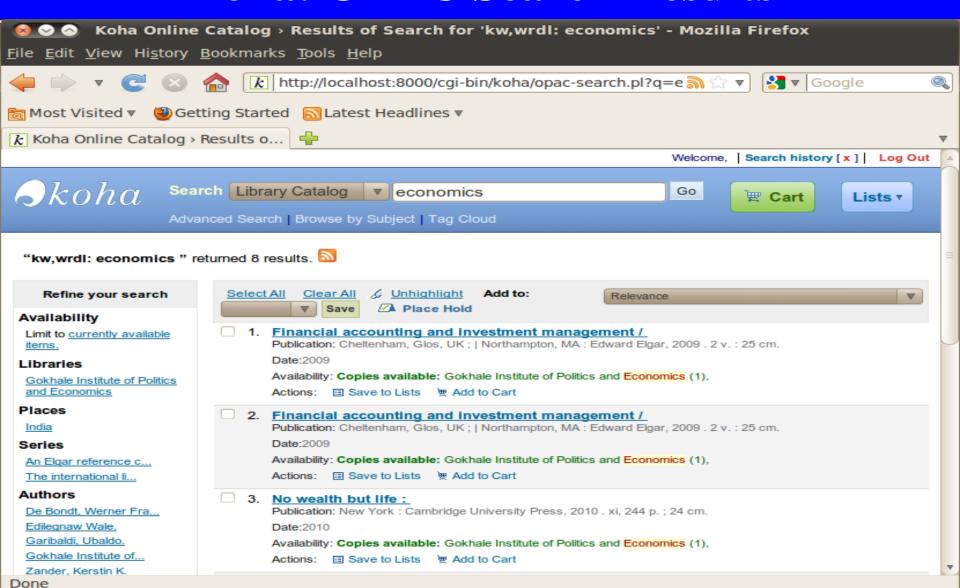




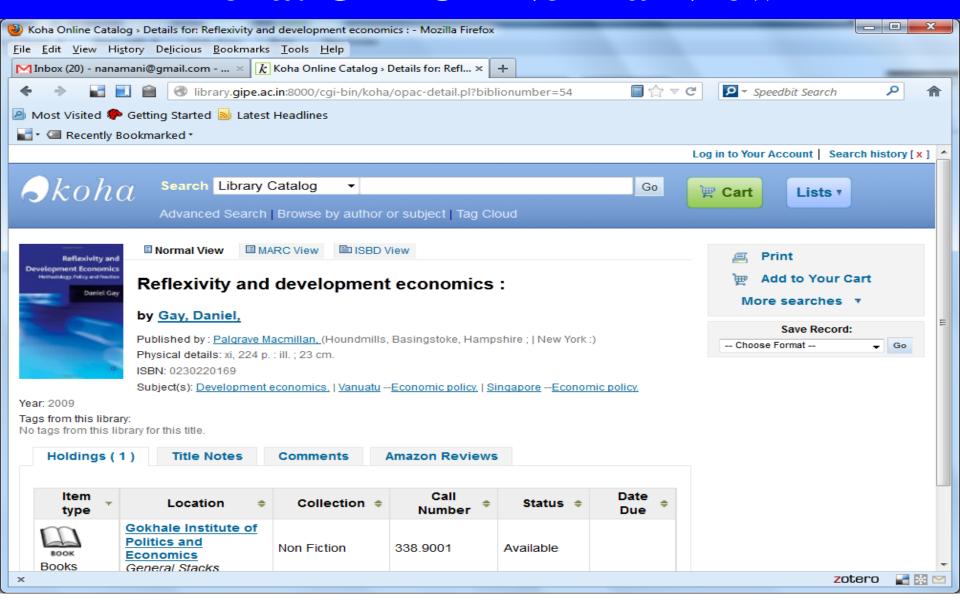
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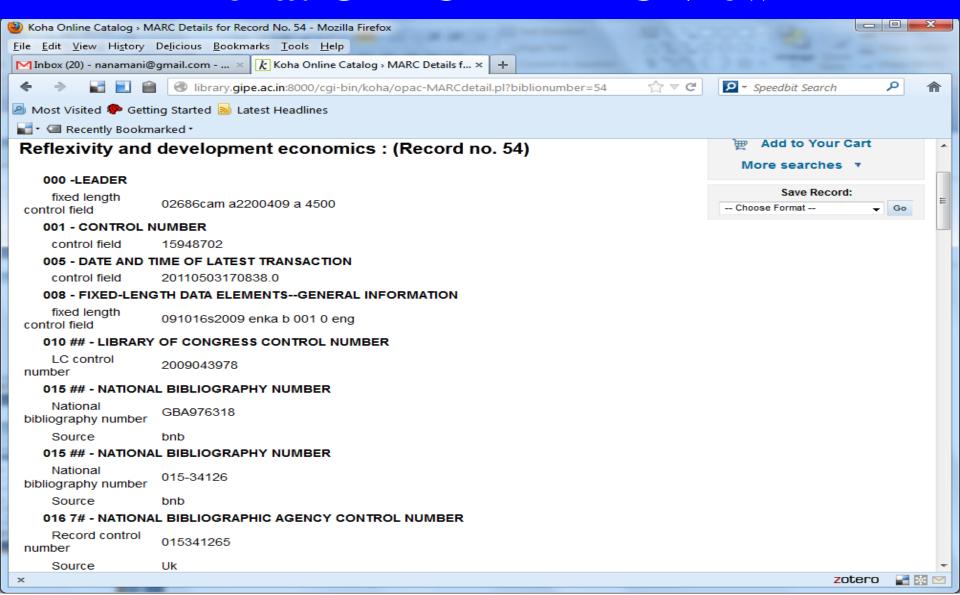
## Koha: OPAC Search Results



## Koha: OPAC – Normal View



### Koha: OPAC – MARC View



# **MARC21: Reading List**

1. The Internationalization of MARC

Part I The emergence and divergence of MARC. Library Review 44(4) 1995

Part II Some Marc formats based on USMARC. Library Review 44(6) 1995

Part III Some MARC formats based on UKMARC : Library Review 44(6) 1995

Part IV UNIMARC: some formats based on it and some other MARC formats.

Library Review 44(7) 1995

2. Understanding MARC Bibliographic: Machine Readable Cataloguing

http://lcweb.loc.gov/marc/umb/umbhome.html

3. MARC21 Concise format for Bibliographic Data: 2001 Concise Edition

http://lcweb.loc.gov/marc/bibliographic/ecbdhome.html

4. Bibliographic Formats and Standards / OCLC. 3<sup>rd</sup> edition

http://www.oclc.org/bibformats/



### **ISO 2709**

- ISO 2709: standard for bibliographic descriptions, entitled Format for Bibliographic Information Interchange on Magnetic Tape.
- Developed in the 1960s by the Library of Congress to encode the information printed on library cards.
- First created as ANSI Standard Z39.2, called Information Interchange Format.
- 1981 version of the standard called Documentation—Format for bibliographic information interchange on magnetic tape.
- Latest edition of that standard is Z39.2-1994
- The ISO standard supersedes Z39.2. As of December 2008 the current standard is ISO 2709:2008.

