MARC and its impact on BIBFRAME

ALA Core MARC Formats Transition Interest Group

6 March 2024
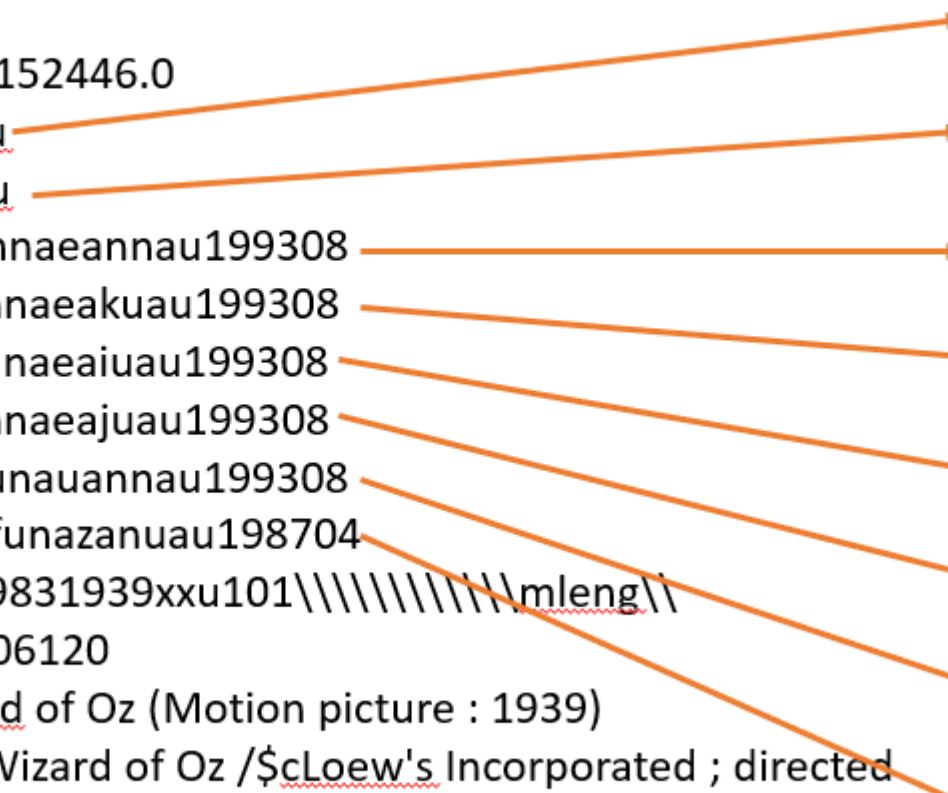
Jodi Williamschen, Library of Congress

LIBRARY LIBRARY OF CONGRESS

The influence of MARC

- The Library has a requirement to distribute MARC records

- Many recent data conversion decisions have been driven by the BIBFRAME to MARC transformation
  - Addition of bf:status to provision activity data for serials records
    - If bf:status="current", create 26X Ind1=# or 3
    - If bf:status="earliest", create 26X Ind1=#
  - Addition of bf:status to classification numbers
    - If bf:status="used by agency", create 050 Ind1=0
    - If bf:status="not used by agency", create 050 Ind1=1
  - Splitting MARC records based on data in 007, 300 and 856 fields

One MARC record ≠ One resource

LDR 06331cgm a2201177 a 4500
001 11511184
005 20210115152446.0
007 vdumgaizu
007 vdumhaizu
007 mrubu-ufnnaeannau199308
007 mrucu-ufnnaeakuau199308
007 murcu-ufnnaeaiuau199308
007 mrucu-ufnnaeajuau199308
007 mrunzaafunauannau199308
007 mrumuaafunazanuau198704
008 870402r19831939xxu101\\\\\\\\\\\\mleng\\
010 \\$a 87706120
130 0\$aWizard of Oz (Motion picture : 1939)
245 14$aThe Wizard of Oz /$cLoew's Incorporated ; directed
by Victor Fleming ; produced by Mervyn LeRoy ; screen play by
Noel Langley, Florence Ryerson, Edgar Allan Woolf.

260 \\$aUnited States :$bMetro-Goldwyn-Mayer,$c1939
;$aUnited States :$bMGM/CBS Home Video,$c[1981] ;$aUnited
States :$bMGM/UA Home Video,$c[1983]
300 \\$a1 videodisc of 1 (laser) (ca. 102 min.) :$bsd., b&w and
col. ;$c12 in. iewing copy.
300 \\$a1 videodisc of 1 (CED) (ca. 102 min.) :$bsd., b&w and
col. ;$c12 in. viewing copy.
300 \\$a3 reels of 10 (r1-2, 10b) (ca. 2100 ft.) :$bsi., b&w
;$c35 mm. masterpos.
300 \\$a8 reels of 10 (r3-10) (ca. 7040 ft.) :$bsi., yellow ;$c35
mm. masterpos.
300 \\$a8 reels of 10 (r3-10) (ca. 7040 ft.) :$bsi., cyan ;$c35
mm. masterpos.
300 \\$a8 reels of 10 (r3-10) (ca. 7040 ft.) :$bsi., magenta
;$c35 mm. masterpos.
300 \\$a10 reels of 10 on 6 (r1-10, 10b) (ca. 9140 ft.) :$bsd.
;$c35 mm. dbl edge pos trk.
300 \\$a10 reels of 10 on 5 (ca. 9140 ft.) :$bsd., col. & b&w
;$c35 mm. theatrical projection print.

Bibframe Instance

Title
The Wizard of Oz

Identified By
- Lccn: 87706120
- CopyrightNumber: LP9039

Base Material
- safety base
- safety base
- safety base
- safety base
- safety base
- safety base

Extent
- 1 videodisc of 1 (laser) (ca. 102 min.)
- 1 videodisc of 1 (CED) (ca. 102 min.)
- 3 reels of 10 (r1-2, 10b) (ca. 2100 ft.)
- 8 reels of 10 (r3-10) (ca. 7040 ft.)
- 8 reels of 10 (r3-10) (ca. 7040 ft.)
- 8 reels of 10 (r3-10) (ca. 7040 ft.)
- 10 reels of 10 on 6 (r1-10, 10b) (ca. 9140 ft.)
- 10 reels of 10 on 5 (ca. 9140 ft.)

Media
- video
- video
- projected
- projected
- projected
- projected
- projected
- projected

Issuance
single unit

Carrier
- videodisc
- videodisc
- film reel
- film reel
- film reel
- film reel
- film reel
- volume

Sound Characteristic
- optical
- optical
- optical
- optical

Polarity
- positive
- positive
- positive
- positive
- positive
- positive

Generation
- master
- master
- master
- master

One MARC record ≠ One resource

- Solution? Create many MARC records, then pass them through marc2bibframe conversion program
  - The new Preprocess 0 addresses the treatment of a MARC record *before* it is converted to BIBFRAME
  - MARC 758 field provides a link between the newly-created MARC records
  - The marc2bibframe software creates one work with multiple instances
  - bibframe2marc
    - Re-combines the multiple BIBFRAME instances into a single MARC record with paired 007/300 fields

One MARC record ≠ One resource

007 vd\cvaizq
007 sd\fsngnnmmned
008 221110t20132012xxu113\g\\\\\\\\\\\mleng\\
010      $a 2022600387
245 00 $a Deep in the heart / $c 28 Entertainment presents ; produced by Scott Duthie, Brian A. Hoffman ; written by Josh Fasulo, Brian A. Hoffman ; directed by Christopher Cain.
264   1 $a [United States] : $b Anderson Merchandisers, $c [2013?]
264   4 $c ©2012
300      $3 viewing copy $a 1 videodisc (113 min.) : $b sound, color ; $c 4 3/4 in. + $e 1 audio disc (digital, CD audio ; 4 3/4 in.)
336      $a two-dimensional moving image $b tdi $2 rdacontent $3 videodisc
336      $a performed music $b prm $2 rdacontent $3 audio disc
337      $a video $b v $2 rdamedia $3videodisc
337      $a audio $b s $2 rdamedia $3 audio disc
338      $a videodisc $b vd $2 rdacarrier $3 videodisc
338      $a audio disc $b sd $2 rdacarrier $3 audio disc
340      $b 4 3/4 in. $2 rda $3 videodisc
340      $b 4 3/4 in. $2 rda $3 audio disc
344      $a digital $b optical $g surround $h Dolby Digital 5.1 $2 rda $3 videodisc
344      $a digital $b optical $2 rda $3 audio disc
346      $b NTSC $2 rda $3 videodisc
347      $a video file $e region 1 $2 rda $3 videodisc
347      $b DVD video $3 videodisc
347      $a audio file $b CD audio $2 rda $3 audio disc

Bibframe Work

Title
Deep in the heart

Type
- Moving Image
- Monograph

Contribution
- Duthie, Scott, 1969- (Film producer)
- Cain, Christopher, 1943- (Film director)
- Gries, Jon, 1957- (Actor)
- Kilmer, Val, 1959- (Actor)
- Hendrix, Elaine, 1970- (Actor)
- Wallace, Rheagan, 1987- (Actor)
- Haven, James, 1973- (Actor)
- Anderson Merchandisers (Firm) (Publisher)

Subject
Recovering alcoholics--Drama (LCSH)
Families--Drama (LCSH)
Families
Recovering alcoholics

Genre Form
Motion pictures (LCGFT)
Motion pictures (LCGFT)
Drama (FAST)
Feature films (FAST)
Fiction films (FAST)
Feature films (LCGFT)
Fiction films (LCGFT)
Video recordings for the hearing impaired (LCGFT)

Has Instance

[United States]: Anderson Merchandisers; [2013?]

[audio disc]

Bibframe Instance

Title
Deep in the heart

Identified By
- Lccn: 2022600387
- CopyrightNumber: PA0001852816
- Upc: 037117069439
- VideoRecordingNumber: 06943
- Local: 843127837
- Local: 1083594803(canceled or invalid)

Extent
1 videodisc (113 min.) Applies to: viewing copy

Digital Characteristic(s)
- FileType: video file
- region 1
- DVD video
 Media
 video
Sound Characteristic
- digital
- optical
- surround
- Dolby Digital 5.1 (rda)

Bibframe Instance

Title
[audio disc]

Type
http://id.loc.gov/ontologies/bflc/SecondaryInstance

Base Material
- plastic
- metal

Note
Physical details: digital, CD audio Applies To: audio discCD

Dimensions
4 3/4 in.

Extent
1 audio disc (digital, CD audio ; 4 3/4 in.)

Digital Characteristic(s)
- FileType: audio file
- EncodingFormat: CD audio (rda) Applies to: audio disc

Media
audio

Issuance
single unit

Carrier
audio disc

Sound Characteristic
- 1.4 m/s
- stereo
- Electrical capture, Digital storage
- digital
- optical

007   vd |||||||
007   sd |||||||||||
008   221110t20132012xxu113 g ||| mleng
010   $a 2022600387
245 00 $a Deep in the heart $c 28 Entertainment presents ; produced by Scott Duthie, Brian A. Hoffman ; written by Josh Fasulo, Brian A. Hoffman ; directed by Christopher Cain
264 1 $a [United States] $b Anderson Merchandisers $c [2013?]
264 4 $c ©2012
300   $3 viewing copy $a 1 videodisc (113 min.) $b sound, color $c 4 3/4 in.
300   $3 audio disc $a 1 audio disc $b digital, CD audio $c 4 3/4 in.
336   $3 videodisc $a two-dimensional moving image $b tdi $0 http://id.loc.gov/vocabulary/contentTypes/tdi
337   $3 videodisc $a video $b v $0 http://id.loc.gov/vocabulary/mediaTypes/v
337   $3 audio disc $a audio $b s $0 http://id.loc.gov/vocabulary/mediaTypes/s
338   $3 videodisc $b vd $0 http://id.loc.gov/vocabulary/carriers/vd
338   $3 audio disc $a audio disc $b sd $0 http://id.loc.gov/vocabulary/carriers/sd
340   $3 audio disc $a plastic $0 http://id.loc.gov/vocabulary/mmaterial/pla
340   $3 audio disc $a metal $0 http://id.loc.gov/vocabulary/mmaterial/mtl
344   $3 audio disc $c 1.4 m/s $0 http://id.loc.gov/vocabulary/mplayspeed/f
344   $3 audio disc $g stereo $0 http://id.loc.gov/vocabulary/mplayback/ste
344   $3 audio disc $j Electrical capture, Digital storage $0 http://id.loc.gov/vocabulary/mcapturestorage/dist
344   $3 audio disc $a digital $0 http://id.loc.gov/vocabulary/mrectype/digital
344   $3 audio disc $b optical $0 http://id.loc.gov/vocabulary/mrecmedium/opt
344   $3 videodisc $a digital $0 http://id.loc.gov/vocabulary/mrectype/digital
344   $3 videodisc $b optical $0 http://id.loc.gov/vocabulary/mrecmedium/opt
344   $3 videodisc $g surround $0 http://id.loc.gov/vocabulary/mplayback/mul
344   $3 videodisc $h Dolby Digital 5.1 $0 http://id.loc.gov/vocabulary/mspecplayback/dolbydig51
346   $3 videodisc $b NTSC $0 http://id.loc.gov/vocabulary/mbroadstd/ntsc
347   $3 audio disc $a audio file $0 http://id.loc.gov/vocabulary/mfiletype/audio
347   $3 videodisc $a video file $0 http://id.loc.gov/vocabulary/mfiletype/video
347   $3 videodisc $e region 1 $0 http://id.loc.gov/vocabulary/mregencoding/region1

Follow LC-PCC PS for RDA 3.1.4 and create multiple 300 fields to match multiple 007 fields

Accompanying Material

LC practice/PCC practice: When describing the carriers of accompanying material, follow one of the approaches outlined below. Apply these guidelines even when the accompanying material is of the same carrier type as the main part.

1. If a detailed description of the carrier characteristics of the accompanying material is desired, record the extent (see **RDA 3.4** RDA), and other characteristics applicable to the accompanying material (see **RDA 3.5** RDA–**3.19** RDA). Provide this information as either:
   a) a separate additional MARC field **300** ☑ in the bibliographic record

   EXAMPLE

   300 ## $a [carrier information for main part]

   300 ## $a 1 map : $b color ; $c 25 x 35 cm

What's next?

- Currently reviewing relationships structures

- Planning to switch to indirect modeling of related resource + relationship to match the existing contribution + role setup

- Testing the use of the Performed Music Ontology for medium of performance fields and evaluating conversion of 048 and 382 fields

- Cleanup and deduplication

Thank you

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