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RDA For Cartographic Resources

Katherine Rankin

University of Nevada, Las Vegas, katherine.rankin@unlv.edu

Mary L. Larsgaard

University of California - Santa Barbara, mary@library.ucsb.edu

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RDA FOR CARTOGRAPHIC RESOURCES

WAML, 2012, University
of Hawai'i at Manoa

Presented by:

Katherine Rankin

University of Nevada, Las Vegas

katherine.rankin@unlv.edu

Mary Lynette Larsgaard

UC Santa Barbara, retired

mary@library.ucsb.edu

Presentation will be on
WAML Website shortly
after conference ends.

With thanks to Paige Andrew for use of information from his ALCTS Webinar on RDA for cataloging cartographic resources of September 2011.

Also thanks to Tammy Wong of LC for providing LC RDA examples.

Cataloging Codes Used in the United States Since 1900

- 1908: mainly on author and title
- 1947: LC's "green book"; rules for descriptive cataloging used at LC
- 1949: ALA's 2d ed. of 1908 work; heftier version
- 1967: 1st ed. of AACR

1978: 2d ed. of AACR
(AACR2); went into effect
on January 1, 1981

1985: AACR2R

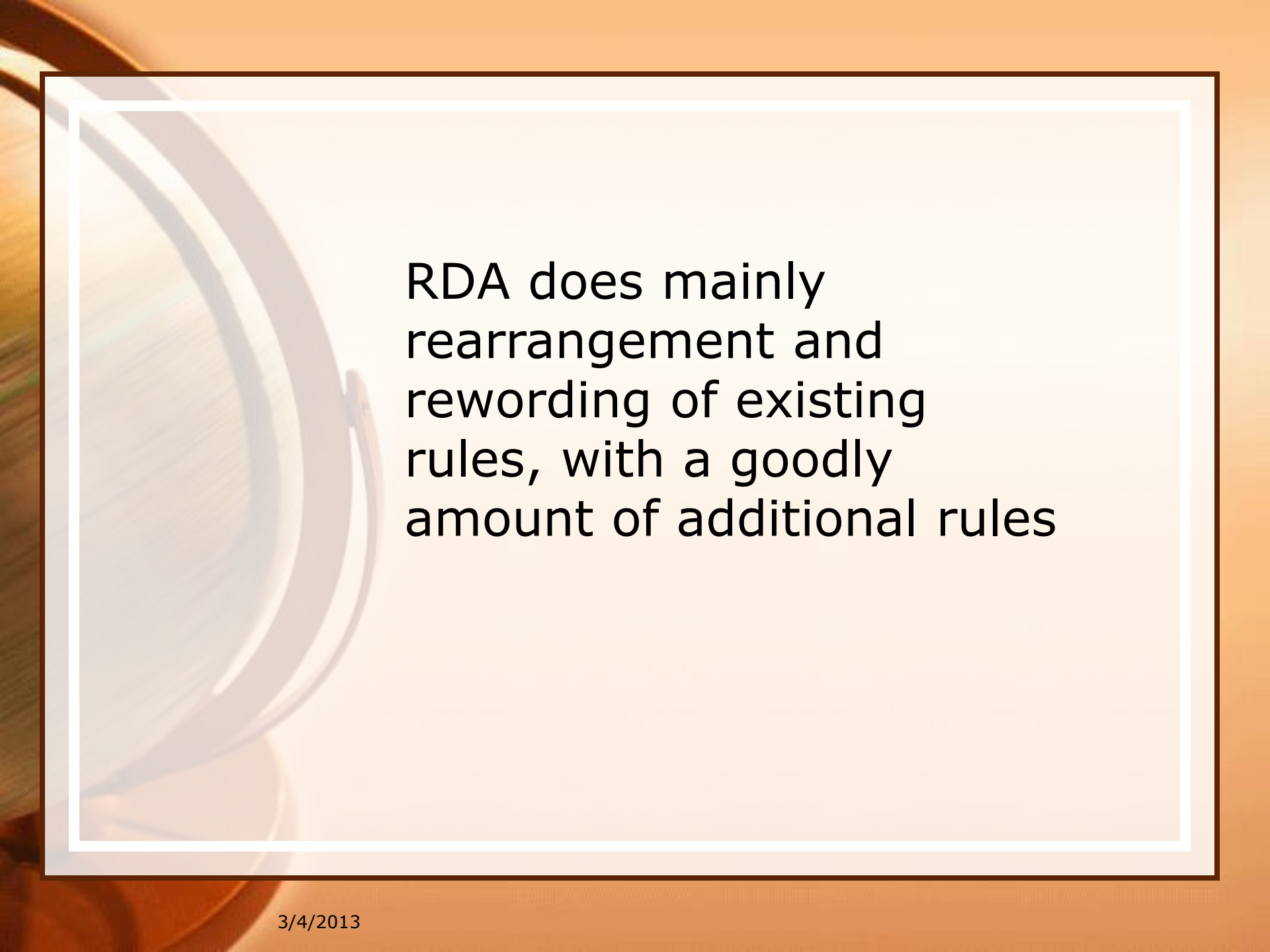
2010: Resource
Description and Access
(RDA)

Current status of RDA

Library of Congress will begin full implementation of RDA no earlier than March 31, 2013.

The More Things Change ...

- Major difference: the codes get longer; 1908 code was 88 pages; RDA (when printed out) is reputedly about 1,000 pages
- Changes are primarily in the details; the idea of bibliographic description with author/title/place of publication, publisher, date and so forth continues



RDA does mainly
rearrangement and
rewording of existing
rules, with a goodly
amount of additional rules

Main differences between AACR2 and RDA

AACR2 chapters are organized by type of media, but RDA is organized by whether one is cataloging a work, expression, manifestation, or item.

RDA Table of Contents-- Summary

- Introduction
- *Attributes*
- **Section 1 - Recording attributes of manifestation and item**
- **Section 2 - Recording attributes of work and expression**
- **Section 3 - Recording attributes of person, family, and corporate body**

- **Section 4 - Recording attributes of concept, object, event, and place**
- ***Relationships***
- **Section 5 - Recording primary relationships**
- **Section 6 - Recording relationships to persons, families, and corporate bodies associated with a resource**
- **Section 7 - Recording subject relationships**

- **Section 8 - Recording relationships between works, expressions, manifestations, and items**
- **Section 9 - Recording relationships between persons, families, and corporate bodies**
- **Section 10 - Recording relationships between concepts, objects, events, and places**

Appendices

- **Appendix A. Capitalization**
- **Appendix B. Abbreviations**
- **Appendix C. Initial articles**
- **Appendix D. Record syntaxes for descriptive data**
- **Appendix E. Record syntaxes for access point control data**
- **Appendix F. Additional instructions on names of persons**
- **Appendix G. Titles of nobility, terms of rank, etc.**

- **Appendix H. Dates in the Christian calendar**
- **Appendix I. Relationship designators:** Relationships between a resource and persons, families, and corporate bodies associated with the resource
- **Appendix J. Relationship designators:** Relationships between works, expressions, manifestations, and items
- **Appendix K. Relationship designators:** Relationships between persons, families, and corporate bodies

- **Appendix L. Relationship designators:** Relationships between concepts, objects, events, and places*
- **Glossary**

Differences

- Previous cataloging codes are only about descriptive cataloging and form of author access
- RDA: 1st, importance of libraries; then importance of cataloging; then the cataloging code for descriptive cataloging; then subject headings and much more

Changes from AACR2R to RDA

- WEMI (Work, Expression, Manifestation, Item)
- Few or no abbreviations and especially not any for Latin words/phrases; exception “cm” which for RDA purposes is considered to be a symbol rather than an abbreviation
- Scale/projection/coordinates: no longer will have brackets

Changes from AACR2 to RDA

- 300 All changes are solely on physical description; nothing on intellectual content
- 336, 337, 338: New MARC21 fields for Content, Media, and Carrier

WEMI: applicability to cartographic resources is:

- revisions
- differences in physical format, especially paper to digital

WEMI: A few glitches

- According to an early 2000s OCLC research study, about 20% of the titles in WorldCat fit the full WEMI model:

About 78% of all titles in WorldCat have only 1 manifestation. From section 4.1 in: Bennett, Rick; Lavoie, Brian F.; and O'Neill, Edward. 2003. "The concept of a work in WorldCat: an application of FRBR/Functional Requirements for Bibliographic Records." *Library Collections, Acquisitions, & Technical Services*, 27(1):45-59.

Majority of resources
(specifically sheets in national
topographic map series) have
revisions and therefore would
fit; as these resources are
cataloged – most often at the
series level – such is not the
case

WEMI: Some examples

- Ptolemy's Geographia/Geography: fits very well (see MacEathron, "Cartographic Materials as Works," CCQ 33:181-191. 2002)
- Revisions of sheet maps (see Morse, "Mapping Relationships ...," CCQ 50:225-248, 2012)

**MARC bibliographic record
and FRBR for cartographic material: Summary
Slide courtesy of Steve Miller**

- 1XX/240 = work, expression
- 245-260, 490 = manifestation
- 255 |a expression, |b and |c work
- 300 = expression, manifestation
- other 33X = work, expression, manifestation
- 5XX = work, expression, manifestation
- 700-730 = work, expression
- 760-787 = work, expression, manifestation
- 8XX = work, expression & manifestation

Now It Gets More Difficult

- Revisions, but more complicated - national topographic map series, nested (see Kalf, "FRBR: an Opportunity for Map Collections and Map Users?", *Liber Quarterly* 18:276-291, 2008)
- Revisions, and multiple physical formats, of a given sheet in a national topographic map series

Example: Goleta, CA, 7.5' topographic quadrangle

- Geological Survey (U.S.). Goleta quadrangle, California – Santa Barbara Co., 7.5 minute series (topographic).
- 1950. paper: 3700s VAR .U5 CA 7.5
Goleta Ed.1950
microfilm: 3700s VAR .U5 CA 7.5
Goleta Ed.1950 Film
digital:
3700s_var_u5_ca_75_goleta_ed1950
Available as .jpg ; .tif (29megabytes)

1951. paper: 3700s VAR .U5 CA
7.5 Goleta Ed.1951
microfilm: 3700s VAR .U5 CA 7.5
Goleta Ed.1951 Film
digital:
3700s_var_u5_ca_75_goleta_ed
1951 Available as .jpg ; .tif
(29megabytes)

1967. paper: 3700s VAR .U5 CA
7.5 Goleta Ed.1967

microfilm: 3700s VAR .U5 CA
7.5 Goleta Ed.1967 Film

digital:

3700s_var_u5_ca_75_goleta_ed
1967 Available as .jpg ; .tif
(29megabytes)

1976. paper: 3700s VAR .U5
CA 7.5 Goleta Ed.1976
microfilm: 3700s VAR .U5 CA
7.5 Goleta Ed.1976 Film
digital:
3700s_var_u5_ca_75_goleta_e
d1976 Available as .jpg ; .tif
(29megabytes)


1982. paper: 3700s VAR .U5
CA 7.5 Goleta Ed.1982
microfilm: 3700s VAR .U5 CA
7.5 Goleta Ed.1982 Film
digital:
3700s_var_u5_ca_75_goleta_e
d1982 Available as .jpg ; .tif
(29megabytes)

1995. paper: 3700s VAR .U5
CA 7.5 Goleta Ed.1995
microfilm: 3700s VAR .U5 CA
7.5 Goleta Ed.1995 Film
digital:
3700s_var_u5_ca_75_goleta_
ed1995 Available as .jpg ; .tif
(29megabytes)


There are so many challenges, one scarcely knows where to begin ...

- Goleta is a generic title
- WorldCat had 19 titles (10/16/2012) resulting from keyword search “Goleta geological survey” and about half of them aren’t for individual editions of the Goleta 7.5-minute quad

How to make this a unique work/expression title? How about in MARC21 240, make it “|a 7.5-minute series (topographic). |p Goleta, CA” that in combination with the 110 of “Geological Survey (U.S.)” would make it a unique uniform title?



Given that there are about 57,000 sheets (not editions, just sheets) in the USGS major series (7.5' and 15'), do we really want to create 57,000 uniform titles, one per sheet?



How does one deal with multiple editions at the same time one deals with multiple formats? That includes, for example, different scans (raster; vector) at different ppi/levels of resolution.

How do we recognize an RDA record?

Leader or fixed field in OCLC:
Position 18 or Desc in OCLC

- Letter i which means RDA with ISBD punctuation—but if it is a very old record, it was also used for pre-AACR2 records
- Letter c which means RDA without ISBD punctuation, which is optional in RDA

Second method to recognize an RDA record

- In the 040 field there is |e rda

Summary of changes

- Record what you see and take what you get—Record what is there even if there is an error
- Use very few abbreviations and especially no Latin ones
- Rule of 3 is gone

Summary of changes cont.

- New 33x fields—no GMD
- Less bracketing
- Relator terms
- Use of copyright dates
- Change in recording place of publication

Record what you get

- If you had a title: Geologic map of **Tabago**, West Indies, in AACR2 it would be:
- Geologic map of Tabago [i.e. Tobago], West Indies

But in RDA ...

- 245 00 Geologic map of Tabago, West Indies
- 246 3 |i Corrected title: |a Geologic map of Tobago, West Indies

RULE OF THREE...

AACR2:

Geologic map of Tobago, West Indies / #c
cartography by Arthur W. Smoke ... [et al.]

RDA (first option):

Geologic map of Tobago, West Indies / #c
cartography by Dr. Arthur W. Smoke, Dr. David W.
Rowe, Dr. J. Douglas Yule, Department of Geology
and Geophysics, University of Wyoming, Dr.
Geoffrey Wadge, Environmental Systems Science
Centre, University of Reading.

RULE OF THREE ...

- **RDA (second option):**

Geologic map of Tobago, West Indies
/ |c by cartography by Arthur W.
Smoke, David W. Rowe, J. Douglas
Yule, Geoffrey Wadge.

RULE OF THREE ...

- **RDA (third option):**

Geologic map of Tobago, West Indies
/ |c cartography by Arthur W. Smoke
[and three others].

The one option that isn't allowed is
.... [et al].

No main entry

- Main entry is not an RDA term, authorized access point is used instead. The first cartographer named would go in the 100 field, which is the creator field:
- 100 1 Smoke, Arthur W.,
cartographer.

RULE OF THREE ...

With any of these options, variant access points can be made for the other contributors. RDA does not require a variant access point be justified by something in the record.

- Added author: Rowe, David W., cartographer
- Added author: Yule, J. Douglas, cartographer
- Added author: Wadge, Geoffrey, cartographer

Specific changes

Brackets

- Only information taken from outside the material being cataloged is bracketed
- Each element that needs to be bracketed in a field gets its own set of brackets

CHANGES TO EDITION STATEMENT

AACR2

- 3rd rev. ed.
- 4th enlarged ed.

RDA

- Third revised edition
- 4th enlarged edition
("4th" appeared on the material)

Changes to scale statement

"Approximately" used instead of "ca."

"Approximately" will be used when figuring out scale statement from a bar scale and from comparison with a map of known scale. Brackets are not used.

SCALE STATEMENTS

AACR2

- Scale [ca. 1:213,000]

RDA

- Scale approximately 1:213,000

This would be if the scale is figured out from a bar scale or comparison with another map

Very few abbreviations used

- [Place of publication not identified]
: |b [publisher not identified], |c
[1967?]
- Latin abbreviations not used, so
can't use:
- [S.l. : |b s.n., |c 1967?]

Note that each element that needs
brackets gets its own set of brackets

Change in way place of publication recorded

- In AACR2, if the first place of publication was not in the country of the cataloging agency, the next place that was in that country was also recorded
- In RDA, only the first place is recorded

Example

AACR2

- London, New York :
Macmillan

RDA

- London : Macmillan

Changes in way publisher recorded

AACR2

- Chicago : Rand McNally
- Washington, D.C. : U.S. Dept. of Agriculture

RDA

- Chicago : Rand McNally and Company
- Washington, D.C. : United States Department of Agriculture

That is if these names are on the material cataloged in this form. If they were abbreviated, you would use the abbreviations.

Specific changes—How dates are recorded

AACR2

- Austin, Tex. :
University of Texas,
[197-]
- Austin, Tex. :
University of Texas,
- [-1972?]

RDA

- Austin, Tex. : University of
Texas, [between 1970
and 1979]
- Austin, Tex. : University of
Texas, [not before 1972]

Specific changes

Copyright symbol

- [Reston] : | b United States Geological Survey, | c [no publication date identified], ©2002 [or copyright 2002]
- [Reston] : | b United States Geological Survey, | c [2002?]

CHANGES TO 300 FIELD

AACR2

- 1 map : col. ; 25 x 15 cm.
- 1 atlas (82 [i.e. 164], 37 p.) : col. maps ; 31 cm.

RDA

- 1 map : color ; 25 x 15 cm.
- 1 atlas (82, that is, 164, 37 pages) : color maps ; 31 cm.

If "cm" is not at the end of a field, it does not have a period after it as it is considered a symbol in RDA

336: CONTENT TYPE

RDA content term - 336 \$a	MARC codes for RDA terms - 336 \$b	MARC Bibliographic Leader/06 code(s)
Cartographic dataset	crd	e or f
cartographic image	cri	e or f
cartographic moving image	crm	e or f
cartographic tactile image	crt	e or f
cartographic tactile three-dimensional form	crn	e or f
cartographic three- dimensional form	crf	e or f

- From: <http://www.loc.gov/marc/RDAinMARC29-9-12-11.html>
- The source code for this list in field 336 \$2 (Source) is **rdaccontent**

337: MEDIA TYPE

RDA media terms -337 \$a	MARC codes for RDA terms - 337 \$b	MARC media codes - 007/00
audio	s	s - sound recording
computer	c	c - electronic resource
microform	h	h - microform
microscopic	p	
projected	g	g - projected graphic m - motion picture
stereographic	e	
unmediated	n	t - text k - non-projected graphic
video	v	v - videorecording
other	x	z - unspecified
unspecified	z	z - unspecified

➤ The source code for this list in field 337 \$2 (Source) is **rdamedia**

338: CARRIER TYPE

RDA carrier terms - 338 \$a	MARC codes for RDA terms - 338 \$b	MARC unmediated carrier codes
card	no	no code
flipchart	nn	no code
online resource	cr	r-007/01
roll	na	no code
sheet	nb	no code
volume	nc	no code
object	nr	r - Bibliographic Leader/06
other unmediated carrier	nz	no code

- The source code for this list in field 338 \$2 (Source) is **rdacarrier**.

33X FIELDS: A WAY TO REMEMBER EACH

- 336 Content Type = “what is it?”
- 337 Media Type = “how is it stored?”
- 338 Carrier Type = “where is it stored?”

336, 337, 338 Field Examples for a Sheet Map

- 336 cartographic image #b cri #2 rdacontent
- 337 unmediated #b n #2 rdamedia
- 338 sheet #b nb #2 rdacarrier

336, 337, 338 FIELD EXAMPLES FOR A GIS DATASET

- 336 cartographic dataset #b crd #2 rdacontent
- 337 computer #b n #2 rdamedia
- 338 online resource #b cr #2 rdacarrier

CHANGES TO SERIES STATEMENT

AACR2

- 490 1 Great map series ; |v v.3
- 490 1 Atlas to accompany document ; |v pt. 3

RDA

- 490 1 Great map series ;|v volume 3
But if authorized form has v., then:
 - 830 0 Great map series ; |v v. 3.
- 490 1 Atlas to accompany document ; |v part III

There are other changes

- There's a change to the way works that contain two or more titles are cataloged
- There are changes to the way parts and chapters of the Bible are cataloged, but it doesn't pertain to cartographic material cataloging

LC RDA ATLAS EXAMPLE

- 110 2 Jimapco (Firm)
- 245 10 Vermont road atlas /|c Jimapco.
- 250 4th edition.
- 255 Scale 1:27,000.
- 264 1 Round Lake, N.Y. : |b Jimapco, |c [2010]
- 264 4 Copyright 2010
- 300 1 atlas (82, that is, 164, 37 pages : |b color maps ; |c 31 cm
- 336 cartographic image
- 337 unmediated
- 338 volume

LC RDA Map Example

100 1 Becker, M. J.
245 10 Map of Coshocton County, Ohio /
|c drawn & published by M.J.
Becker.
255 Scale approximately 1:42,240. 1
½ inches to one mile,
264 1 Mt. Vernon, O. : |b M.J. Becker,
|c [185-?]
264 3 Cincinnati : |b Menzel's Lith.
300 1 map : |b mounted on cloth
backing, color ; |c 86 x 102 cm
336 cartographic image
337 unmediated
338 sheet

LC RDA Globe Example

110 2 Rand McNally and Company
245 00 [Seventy-five inch geophysical
 globe].
255 Scale approximately 1:6,700,000
260 [Chicago, Illinois] : |b [Rand
 McNally and Company], |c
 [1992]
300 1 globe : |b hand-painted,
 plastic ; |c 190 cm in diameter,
 mounted on spindle in metal base
336 cartographic image
337 unmediated
338 other

Page 5 of 4 AF 8/5/96



Scale 1:10,000,000

AACR2 Record for the Africa Map

110 1 United States. |b Central Intelligence Agency.

245 10 Africa.

255 Scale 1:51,400,000
;|b azimuthal equal-area
proj. |c (W 40°--E 60°/N
40°--S 40°).

260 [Washington, D.C. :|b
Central Intelligence
Agency, |c 2010].

300 1 map :|b col. ;|c 22 x 18 cm.

RDA Record for the Africa Map

110 1 United States. |b Central
Intelligence Agency.

245 10 Africa.

255 Scale 1:51,400,000 ; |b
azimuthal equal-area
proj~~ection~~|c (W 40°--E 60°/N
40°--S 40°).

264 1 [Washington, D.C.] : |b
[Central Intelligence
Agency], |c [2010]

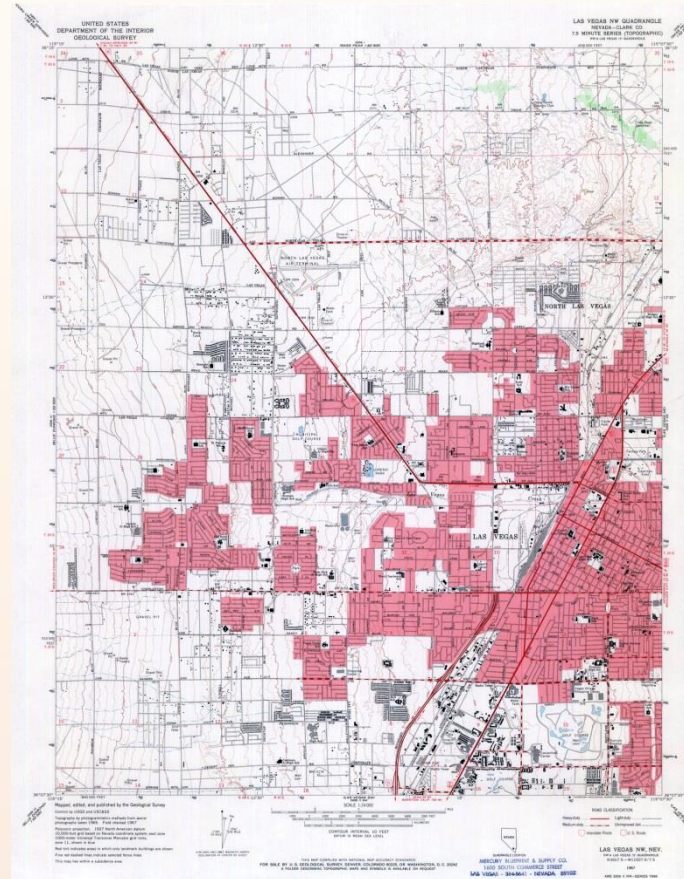
300 1 map :|b color ;|c 22 x 18 cm

336 cartographic image

337 unmediated

338 sheet

Las Vegas Topo



AACR2 Record for Las Vegas Quad

110 20 Geological Survey (U.S.)

245 10 Las Vegas NW quadrangle,
Nevada--Clark Co., 1967 / |c mapped,
edited, and published by the Geological
Survey.

246 3 Las Vegas northwest quadrangle,
Nevada--Clark County, 1967.

250 Photorev. 1983.

255 Scale 1:24,000 ;|bpolyconic
proj.|c(W 115°15'00"--W 115°07'30"/N
36°15'00"--N 36°07'30").

260 0 Reston, Va. :|b U.S. Geological
Survey :|b For sale by U.S. Geological
Survey,|c 1967.

300 1 map :|b col. ;|c 58 x 47 cm.

RDA Record for Las Vegas Quad

110 20 Geological Survey (U.S.)

245 10 Las Vegas NW quadrangle,
Nevada--Clark Co., 1967 / |c mapped,
edited, and published by the Geological
Survey.

246 3 Las Vegas northwest quadrangle,
Nevada--Clark County, 1967.

250 Photorevised 1983.

255 Scale 1:24,000 ;|bpolyconic
projection|c(W 115°15'00"--W
115°07'30"/N 36°15'00"--N 36°07'30").

260 0 Reston, Va. :|b United States
Geological Survey :|b For sale by United
States Geological Survey,|c 1967.

300 1 map :|b color ;|c 58 x 47 cm

RDA Record for Las Vegas Quad--2

336	cartographic image
337	unmediated
338	sheet



Questions?