RDA TOOLKIT 3R PROJECT: INCORPORATING THE 4-FOLD PATH

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#ALCTSx17

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RDA Vision / Priorities

From the RDA Board

- **Vision**
  - RDA: <u>**the**</u> global standard enabling discovery of content
- **Strategic priorities 2015-2020**
  - Make RDA an internationally recognized standard
  - Increase the adoption of RDA internationally
  - Develop a sustainable business model
  - Develop a relevant governance structure

RDA Toolkit 3R Project will…

- Redesign
  - Improve user interface
  - Greater flexibility in display
  - Change instruction numbering
- Restructure
  - Simplify instructions, generalizing where possible
  - Group instructions by entity
  - Add/remove content
    - Add new IFLA Library Reference Model (LRM) entities
    - Remove placeholder instructions
    - Implement the 4-fold path

To be revealed in April 2018

What Led to This Point?

- RDA heritage / underpinnings
  - AACR2
  - Statement of International Cataloguing Principles
  - IFLA's Functional Requirements models (FRBR, FRAD, FRSAD)
    - And soon, their successor, IFLA LRM
- RDA future – inclusion of more communities
  - International
  - Cultural heritage
  - Linked data
- RDA constraints
  - Records/data still need to work in our current environment
  - But, the future is longer than the past…

Who Are the Players?

- RDA Steering Committee (10 members)
- RSC Working Group Chairs (up to 10 members)
- 3R Project Consultant
- Director, ALA Digital Reference
- Other volunteers
  - RSC Working Group members
  - Support from regional communities
    - ALCTS Committee on Cataloging: Description and Access Task Force established

What is the 4-Fold Path?

- Four ways to capture information about something in the bibliographic universe
    - Some paths apply only to certain entities
- Three ways already represented in RDA, but not consistently:
    - Unstructured description
    - Structured description
    - Identifier
- The fourth path hinted at in RDA now
    - A Uniform Resource Identifier (URI) for the entity
- Implementing all 4 paths throughout RDA will offer greater flexibility in capturing data

Part of Fulfilling the LRM User Tasks

- Find
  - Gather information about the resource(s) by searching on relevant criteria
- Identify
  - Clearly understand the nature of the resource(s); distinguish between similar resources
- Search
  - Determine the suitability of the resource(s); accept/reject specific resources
- Obtain
  - Access the content of the resource
- Explore
  - Discover resources using the relationships between them, placing them in a context

Examples of 4-Fold Path Now

- From the April 2017 RDA Toolkit

Chapter 27 examples

EXAMPLE

Unstructured Description of the Related Manifestation

Also issued electronically via World Wide Web in PDF format

EXAMPLE

Structured Description of the Related Manifestation

Reprint of: Venice / by Cecil Roth. — Philadelphia : The Jewish Publication Society of America, 1930. — (Jewish communities series)

Resource described: History of the Jews in Venice / Cecil Roth. — New York : Schocken Books, 1975

EXAMPLE

Identifier for the Related Manifestation

Also issued as: ISBN 978-0-06128-533-2

Resource described: Michael Tolliver lives / Armistead Maupin. — New York : HarperCollins, 2007. **ISBN provided for equivalent manifestation in large print**
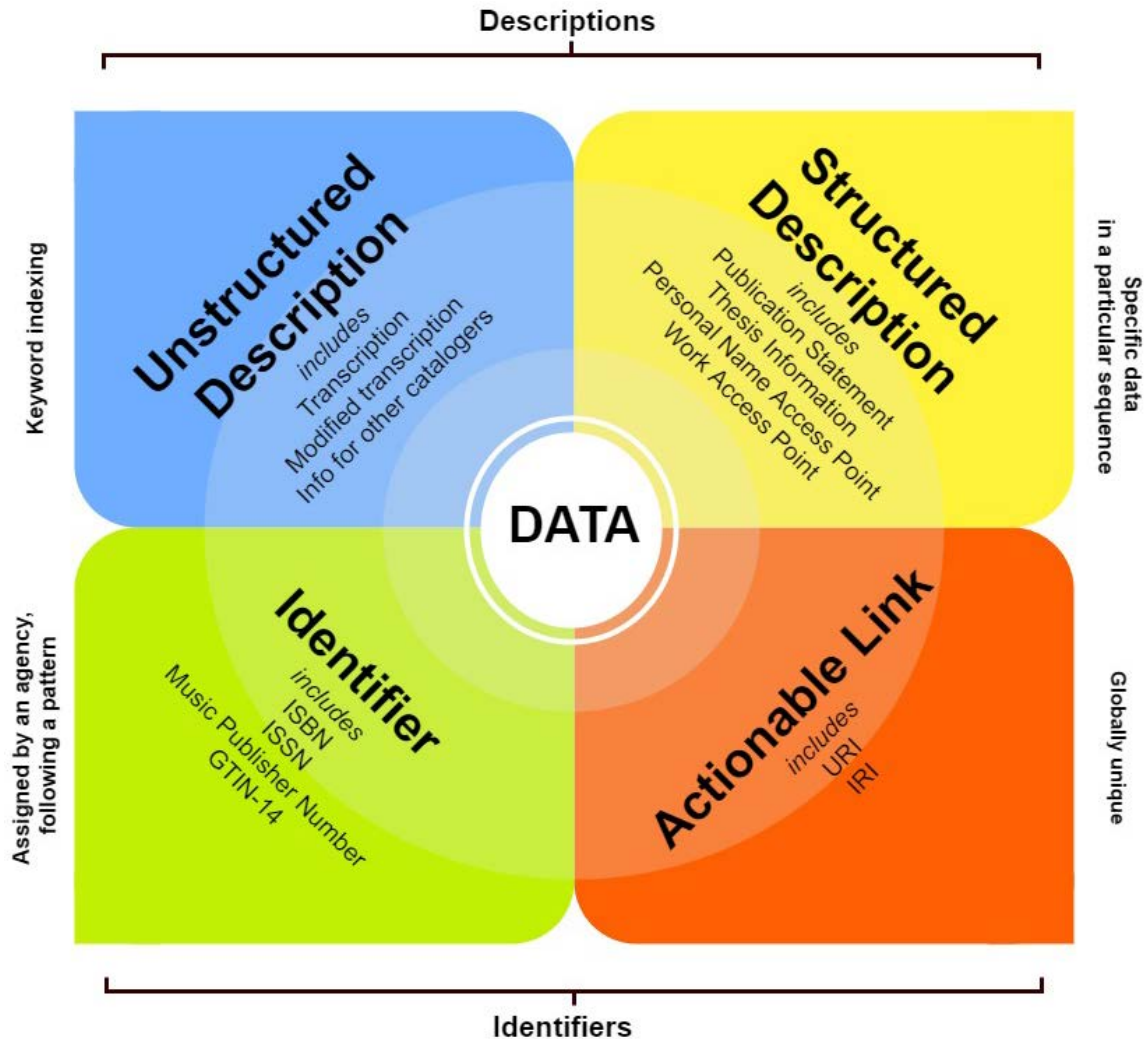
Chapter 17 example

EXAMPLE

Identifier for the Manifestation

http://larvatusprodeo.net

URI for the blog Larvatus prodeo

4-Fold Path Diagram
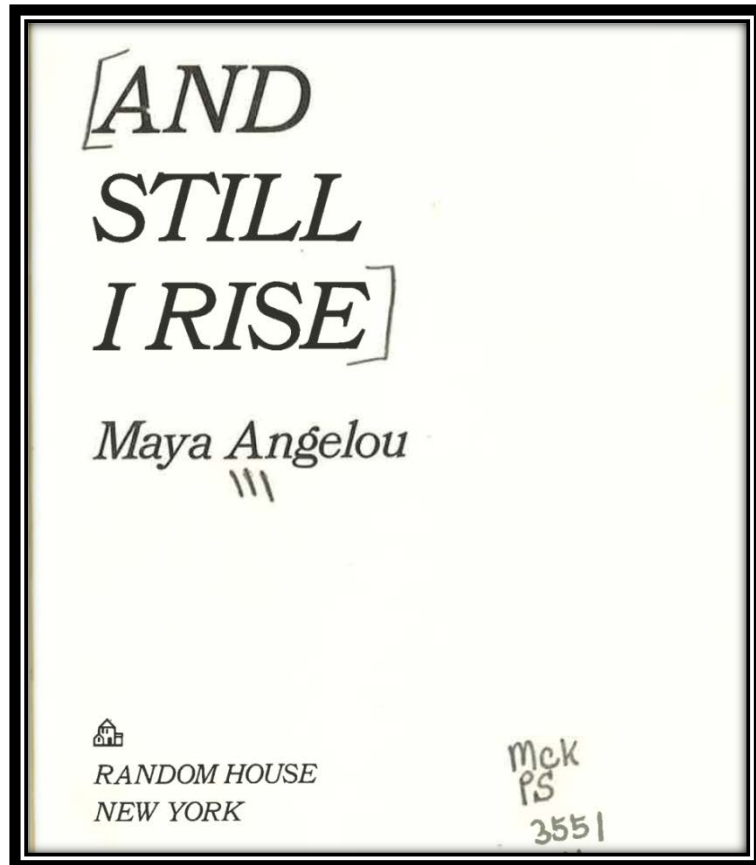
Implementation Scenarios

- Each path supports at least one of the following database implementations
  - Flat-file
    - Includes card catalogs
  - "Linked" authorized access points between bibliographic and authority records
    - Such as OCLC Connexion
  - Relational or object database
    - Fully linked at local level
  - Linked data
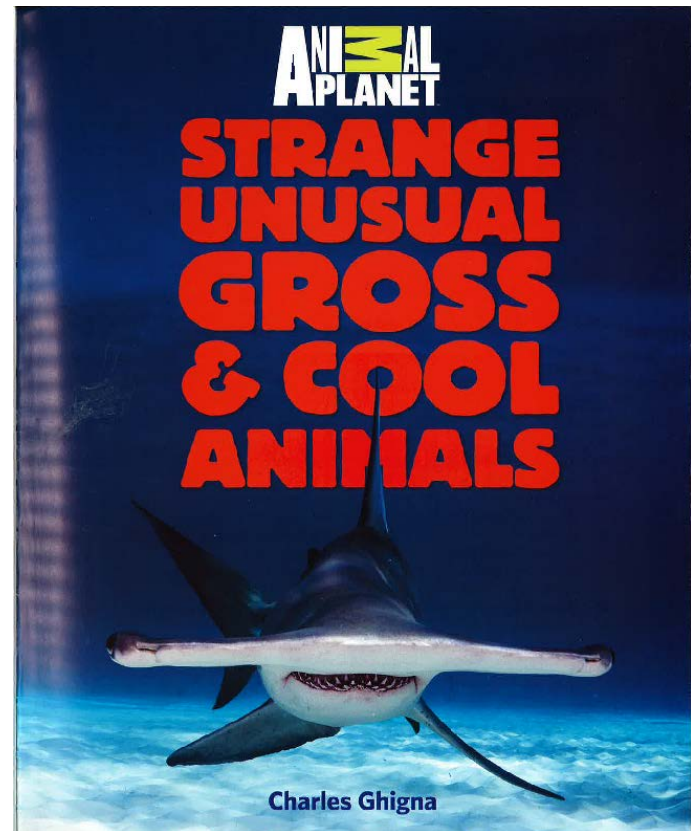   - Fully linked at global level

Unstructured Description

- Includes notes of all kinds, quotes from various sources, and transcribed statements from the manifestation
- The only path that includes transcription (WYSIWYG)
  - Can be mechanically captured
    - A picture, photograph, etc.
  - Or could be manipulated in some way, following particular rules or conventions
    - Capitalization practices
    - Punctuation added for clarity
    - Substitution of text for symbols that can't be reproduced
    - Letting typography influence what is captured, and in what order
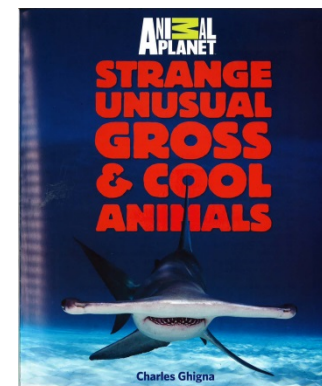
Modified Transcriptions

Straightforward?   Complex?

[AND STILL I RISE]

Maya Angelou

RANDOM HOUSE
NEW YORK

ANIMAL PLANET

STRANGE UNUSUAL GROSS & COOL ANIMALS

Charles Ghigna

Modified Transcription - Details

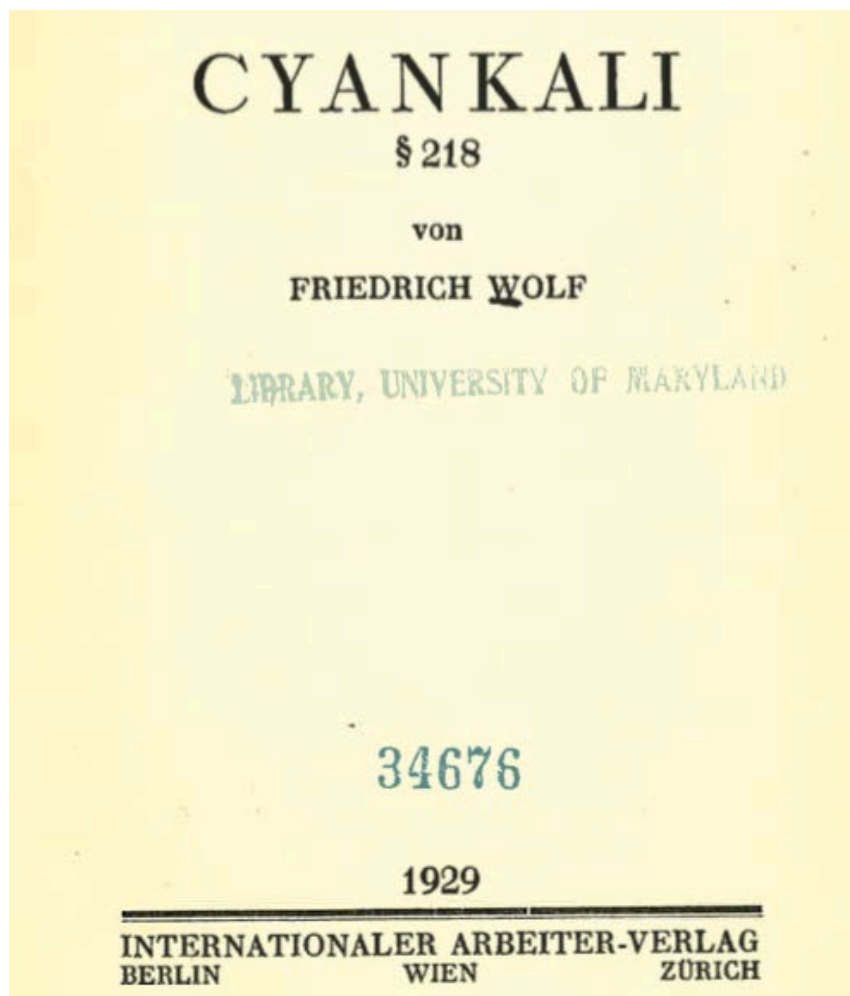|	
author	▫ <u>Ghigna, Charles, author.</u>
title	Strange, unusual, gross, & cool animals / Charles Ghigna.
edition	First edition.
published	New York, New York : Liberty Street, 2016.
copyrighted	©2016
description	128 pages : color illustrations, color maps ; 32 cm
all locations	<u>Availability</u>
location	UMCP McKeldin Library ⓘ Juvenile | QL49 .G483 2016 <u>Holdings</u> <u>Availability</u>
other title	Strange, unusual, gross, and cool animals
	At head of title: Animal Planet
summary	Collects facts about strange, gross, and unusual animals from across the globe, including the maleo, ghost octopus, and duck-billed platypus.
notes	Includes bibliographical references (page 124) and index.
contents	Strange animals -- Unusual animals -- Gross animals -- Cool animals -- Glossary -- Explore some more.
subjects	▫ <u>Animals -- Juvenile literature.</u>
	▫ <u>Animals -- Miscellanea -- Juvenile literature.</u>
	▫ <u>Animals.</u>
	▫ <u>Animals -- Miscellanea.</u>
	▫ <u>Animals.</u>
	▫ <u>Juvenile works.</u>
	▫ <u>Miscellanea.</u>
format	Book
	Children's/Juvenile
ISBN	9781618931665 (hardcover)
	1618931660 (hardcover)

Punctuation added, capitalization changed

Decided this wasn't part of the title

What to do with § in a Title?

CYANKALI

§ 218

von

FRIEDRICH WOLF

1929

INTERNATIONALER ARBEITER-VERLAG
BERLIN   WIEN   ZÜRICH

- Options
  - Use the symbol as is
  - Replace it with one or more terms
    - "Section sign" ?
    - "Paragraph symbol" ?
      (but then what is ¶ ?)
  - Replace with mark of omission (ellipsis)
- Choice based on
  - Availability in character set
  - Term used for the symbol in
    - Language of your user base
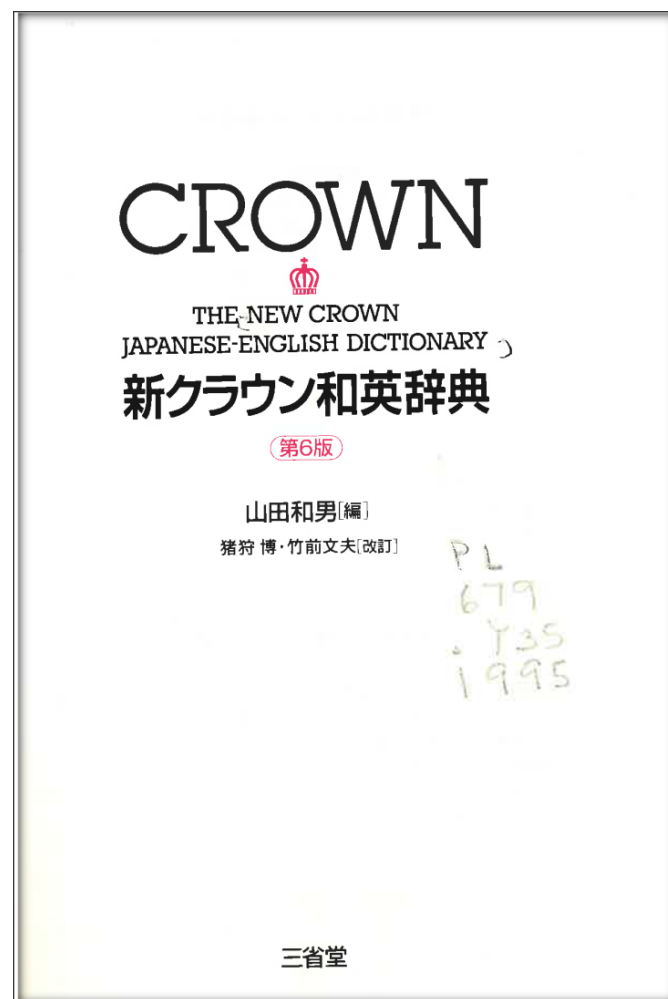   - Language of the resource

Non-Roman Transcription?
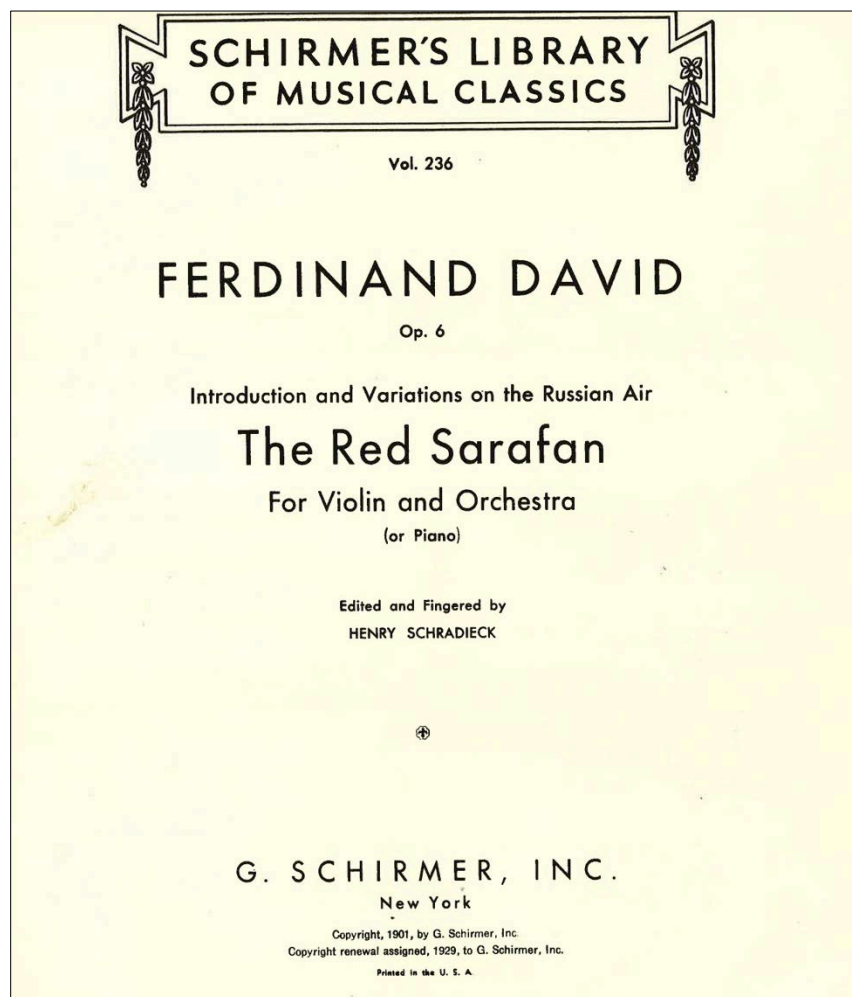
- Parallel title in vernacular:

  The new Crown Japanese-English dictionary =
  新クラウン和英辞典

- Romanizing isn't really transcription; instead it's a form of recording:

  The new Crown Japanese-English dictionary =
  Shin Kuraun Wa-Ei jiten

Where does the Title Start?

- Op. 6?
- Introduction and Variations on the Russian Air?
- The Red Sarafan?

- Catalogers
  - Introduction…
- Amazon
  - Opus 6...

Structured Description

- Use transcribed data?
  - Publication statements have a "take what you see" approach to each element, but then combine them in a set order

    New York : Markus Wiener Publishing, 1986

- Use recorded data?
  - Impose standardization in what is captured
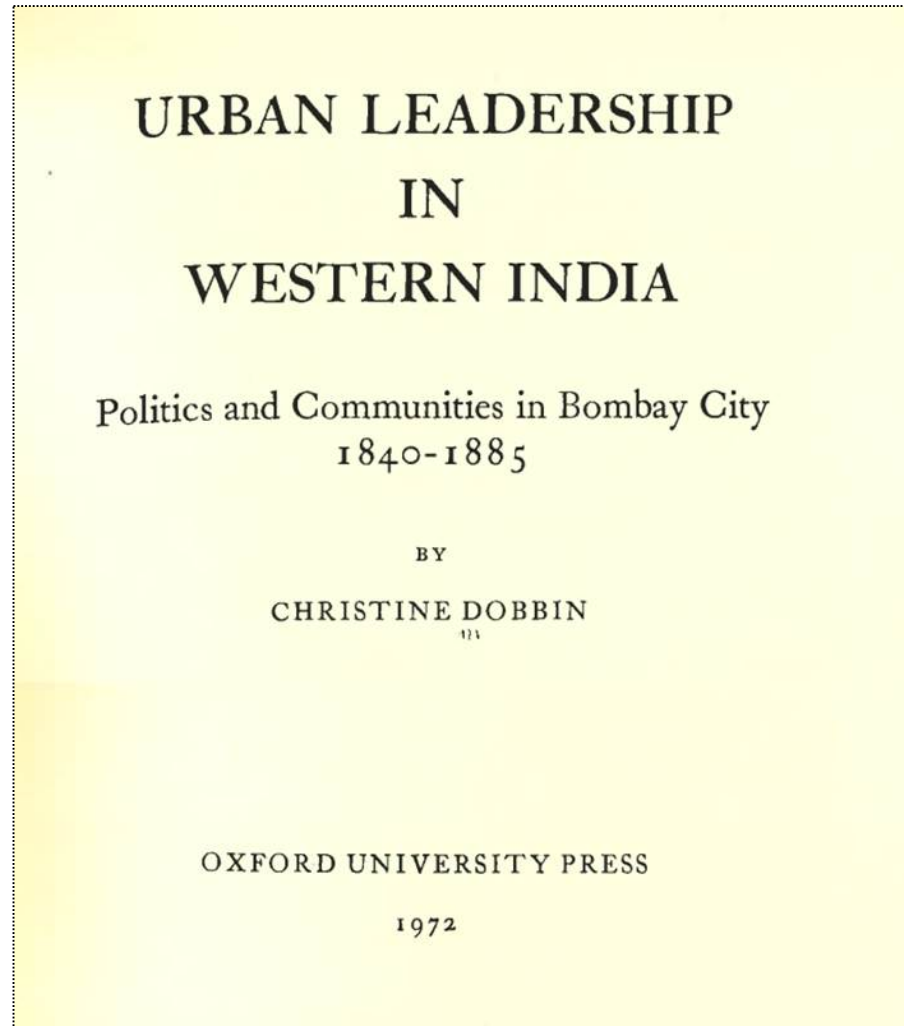   - Exclude typos, etc.
  - Examples
    - Record content type by selecting a term from a closed list
    - Record a work access point by combining authorized versions of
      - Creator (if applicable) + Preferred title + Other information needed to disambiguate (if applicable)

- Some cataloging communities may use different structured forms of the data

Identifiers & Actionable Links

- Identifiers
  - Recorded
  - Assigned by and unique to a particular agency
    - But… the same ISBN could be assigned to more than one work
    - Need to associate the identifier with the agency
  - Structure, prefixes, etc. may carry meaning to the initiated
    - Identification of publisher, sequence of publication, etc.
- Actionable links (URI / IRI)
  - Designed for linked data environment
  - Identifiers designed for machines – for global use
    - May have strings that humans cannot (easily) interpret
      - http://rdaregistry.info/Elements/e/P20219 = "has duration"

Place Names –
When to Transcribe, When to Record?

URBAN LEADERSHIP
IN
WESTERN INDIA

Politics and Communities in Bombay City
1840-1885

BY

CHRISTINE DOBBIN

OXFORD UNIVERSITY PRESS

1972

Character String Choices

- Bombay (India) *[official name through 1995]*
  - Unstructured description ("Bombay City" transcribed as part of title)
  - Structured description?
    - This form no longer used as subject in Anglo-American practice
- Mumbai (India) *[official form in the Name Authority File]*
  - Structured description (authorized access point for subject)
  - Relies on a character string for unique identification
- Many other variants
  - Kakamuchee, Galajunkja, Manbai, मुंबई, Asumumbay, Numbai, Tana-Maiambu, Mombayn, Bombain, Bombaym, Monbaym, Mombaim, Mombaym, Bambaye, Bombaiim, Bombeye, Bombaim, Bon Bahia, and Boon Bay
- Cataloging agencies may make different decisions

Identifier Choices

- Non-actionable
  - 18°58'30"N, 072°49'33"E *[geographic coordinates]*
  - n 2012073713 *[identifier for the Name Authority File record]*
  - 7001518 *[identifier in Getty Thesaurus of Geographic Names]*
- Actionable
  - http://www.geonames.org/1275339 *[GeoNames URI]*
    - Allows for linking to other descriptions that use this same URI

- More flexible across different cataloging communities
- More language neutral

Capturing a Personal Name

Which Version?

- Alexander Solzhenitsyn
- Aleksandr Solzhenitsyn
- Alexander Solzhenitsyn
- Alexander Solshenizyn
- Alejandro Solyenitzin
- Alexandre Soljénitsyne
- Alexandr Soljenitsin
- Alexander Solschenitzin
- Aleksandr I. Solzhenitsyn
- Александр Солженицын
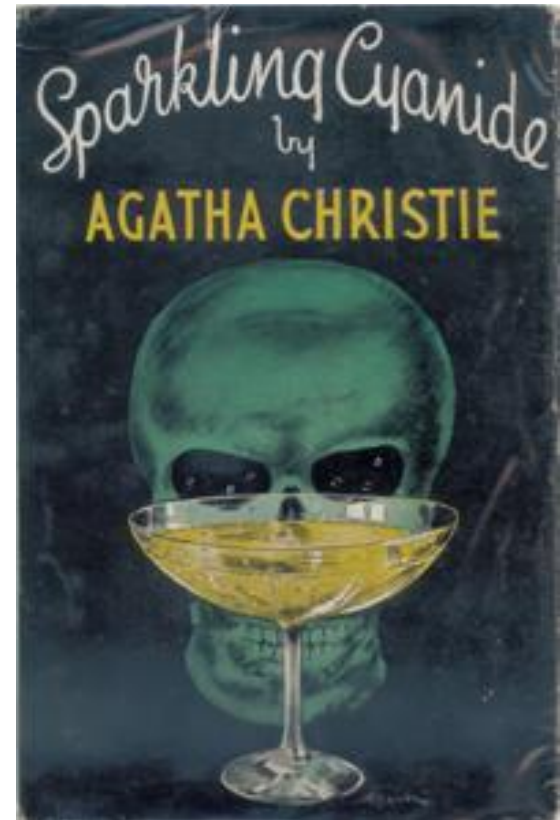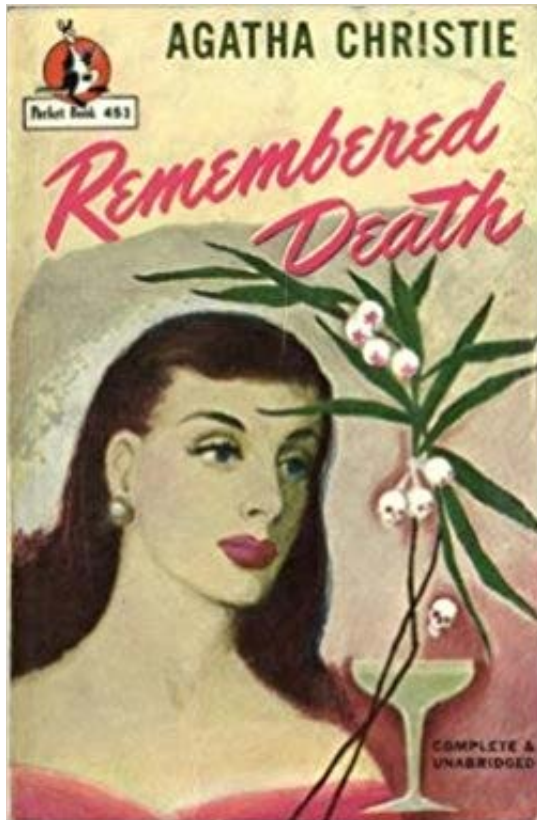- А. И. Солженицын
- אלעקסאנגער סאלזשעניצין
- الكساندر سولژنتسن

How?

- Unstructured description
  - Transcribe as statement of responsibility
- Structured description
  - Choose one form for the authorized access point, use it consistently
- Identifier
  - ISNI (International Standard Name Identifier): 0000 0001 2144 1946
- Linked data
  - http://isni.org/isni/0000000121441946

Agatha Christie: One Book, Two Titles

Published in New York, Feb. 1945

Published in London, Dec. 1945

Cataloging Question

- Assuming a MARC record environment, which of the four paths would you use to IDENTIFY this work?
  - Structured descriptions:
    - Authorized access point + variant access point

      LC control no.: no 96046640
      Authorized access point:
          Christie, Agatha, 1890-1976. Sparkling cyanide
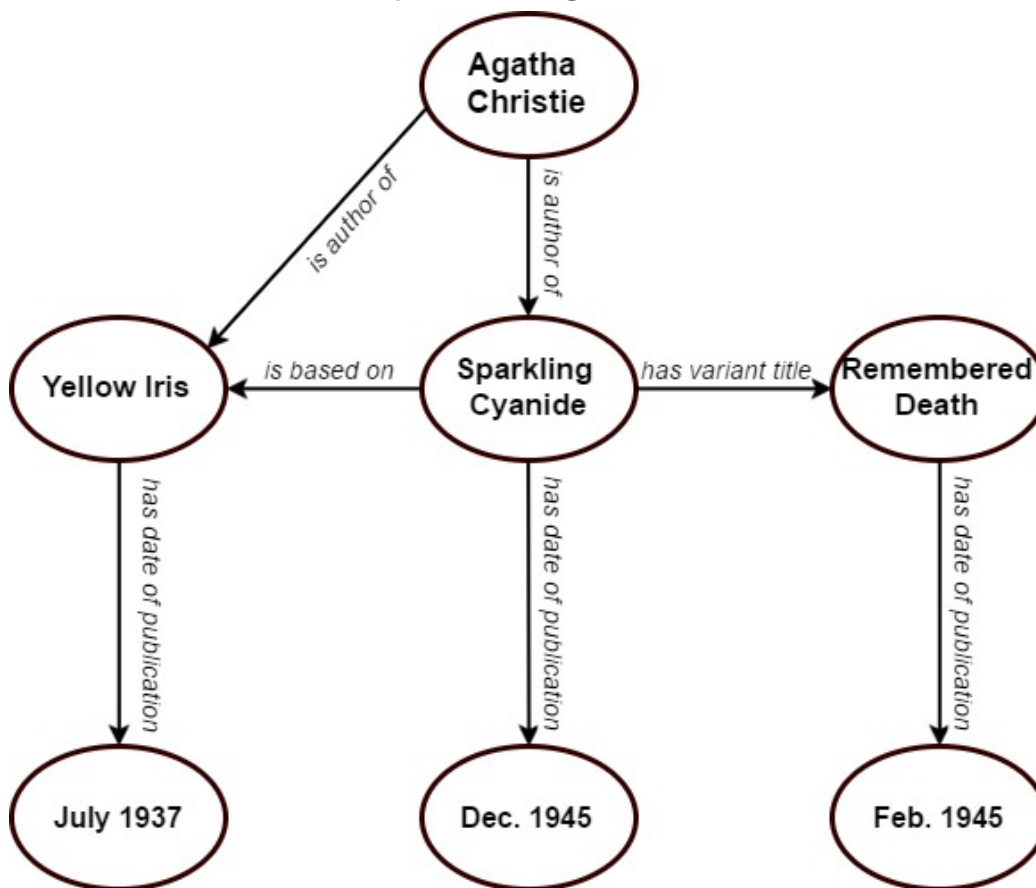   *Variant access point:*
          Christie, Agatha, 1890-1976. Remembered death

  - Optional unstructured description (a note) in a bibliographic record for Sparkling cyanide
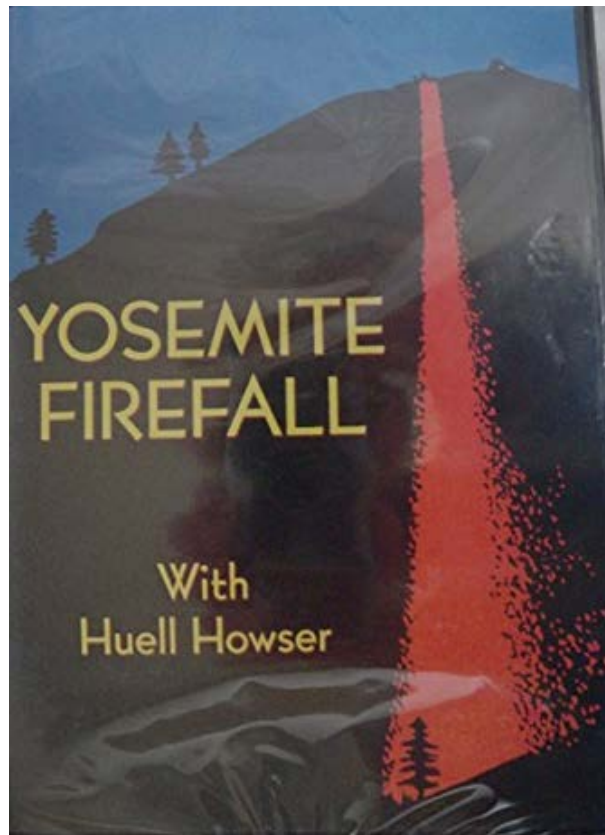
    Previously titled Remembered death.

Linked Data View (Simplified)

A linked data approach can expand the relationships, perhaps beyond what's in a library catalog…

Different Formats:
What's the best path for SELECT?

Issued as VHS cassette

Later issued as DVD

How to IDENTIFY Who is Responsible?

Fantastic beasts and where to find them

Newt Scamander ; special edition with a foreword by Albus Dumbledore.

New York, NY : Arthur A. Levine Books ; 2001.

ISBN: 0758751362, 0439321603, 0439295017, 9780439295017, 043932162x, 9780439321624, 9780758751362, 9780439321600,
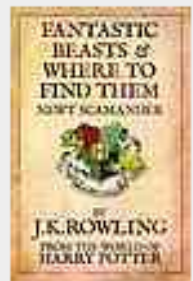
Fantastic beasts & where to find them

Newt Scamander.

©2001

ISBN: 0545850568, 9780545850568,

Fantastic beasts & where to find them : Newt Scamander

by J.K. Rowling.

London : Bloomsbury : 2009.

ISBN: 1408803011, 9781408803011,

Questions to Ponder

- When does transcription work best?

- When is it important to record data, rather than to transcribe it?

- When would it make sense to use an identifier, such as the LC Control Number, or ISNI (International Standard Name Identifier)?

- What are the benefits of using a linked data URI or IRI?

- When should more than one path be taken?

Questions?

- Contact me
  - Email: kglennan@umd.edu