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## A Brief Overview of BIBFRAME

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## A Brief Overview of BIBFRAME

Angela Kroeger

# What is BIBFRAME?

- Data model for resource description
- Linked data (RDF)
- Not based on RDA or FRBR, but compatible with them (mostly)
- A work-in-progress

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## What's it supposed to do?

- Breaks apart the bib record
- Resources described with an assembly of linked metadata pieces
- Relationships between the metadata resources draw them together

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# PCC BIBFRAME Survey Analysis

- BIBFRAME **is not** a MARC enhancement
- BIBFRAME **is** a MARC replacement
- BIBFRAME **is not** a new computer system, next-gen OPAC, or ILS
- BIBFRAME **is** a "collection of tools and templates for use by catalogers and system designers"

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## Tools Available from Library of Congress

- **MARC-to-BIBFRAME Comparison**
- **MARC-to-BIBFRAME Transformation**
- **BIBFRAME Editor**

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# Tools Anticipated Soon

- Search and Display
- Profile Creation and Editing

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# Why?

- **MARC is stringy, difficult for machines to interpret**
- **RDA and FRBR are designed for a linked data environment**

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**Endurance - Goodreads**

[www.goodreads.com](http://www.goodreads.com) > Adventure > Survival > Goodreads > ★★★★★ Rating: 4.3 - 33,077 votes  
Alfred Lansing's scrupulously researched and brilliantly narrated book – with over 200,000 copies sold – has long been acknowledged as the definitive account ...

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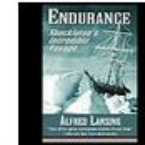
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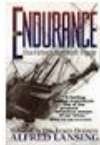
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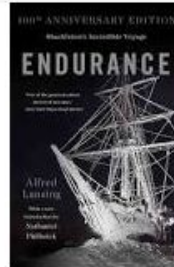


Endurance-CBA Edition  
\$11.99  
Christianbook.com  
★★★★★ (3)

**Endurance: Shackleton's Incredible Voyage**

Book by Alfred Lansing

- ★★★★★ 4.3/5 - Goodreads
- ★★★★★ 4.5/5 - Barnes & Noble
- ★★★★★ 4.5/5 - Google Books



Endurance: Shackleton's Incredible Voyage is a bestselling book written by Alfred Lansing, and was first published in 1959. [Wikipedia](#)

**Published:** 1959

**Author:** Alfred Lansing

**Genre:** Non-fiction

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Endurance: Shackleton's Incredible Voyage

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Linked Data from multiple sources in the Knowledge Graph.

Rating and price from Barnes & Noble right in the search results.

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★★★★★ Rating: 4.3 - 33,077 votes

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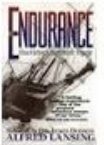
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★★★★★ Rating: 4.5 - 69 votes - \$10.49 to \$10.98  
Ernest Shackleton defined heroism in 1915 when his ship, the Endurance, was trapped in ice and then ... Alfred Lansing (1921-1975) was a native of Chicago.

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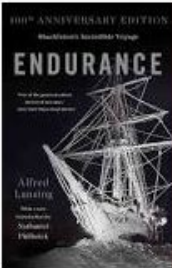
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# Endurance: Shackleton's Incredible Voyage

Book by Alfred Lansing

- ★★★★★ 4.3/5 - Goodreads
- ★★★★★ 4.5/5 - Barnes & Noble
- ★★★★★ 4.5/5 - Google Books



Endurance: Shackleton's Incredible Voyage is a bestselling book written by Alfred Lansing, and was first published in 1959. Wikipedia

Published: 1959

Author: Alfred Lansing

Genre: Non-fiction

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# Linked Data Triples

RDF

subject—predicate—object

FRBR

entity—relationship—attribute

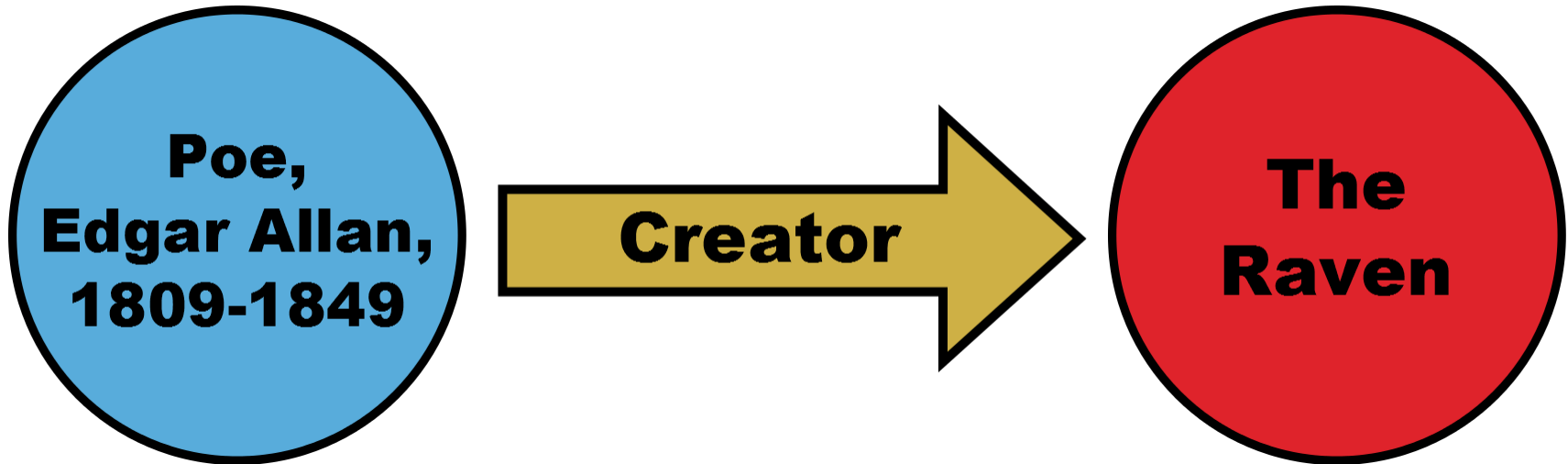
BIBFRAME

resource—relationship—property

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# Subject - Predicate - Object



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# "The Missouri-Kansas Conflict: Civil War on the Western Border"

<http://www.civilwaronthewesternborder.org/content/relationship-viewer>

- Site designed with FRBR, RDA, BIBFRAME, and Drupal
- Relationship viewer shows data triples in action

Source: Enis, Matt. "Putting the Pieces Together: Library Systems Landscape." *The Digital Shift* (April 10, 2014).  
<http://www.thedigitalshift.com/2014/04/ils/putting-pieces-together-library-systems-landscape/>

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# BIBFRAME Core Classes

- Work
- Instance
- Authority
- Annotation

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# BIBFRAME Work

- **FRBR Work + FRBR Expression**
- **Abstract**
- **Properties apply to all editions and formats**

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# BIBFRAME Instance

- **FRBR Manifestation**
- **Concrete**
- **Properties specific to one edition and format**

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# BIBFRAME Authority

- Agent, place, temporal, or topic
- "Lightweight Abstraction Layer"
  - Local authority layer
  - Able to link to controlled vocabularies from many sources
  - Home for new URIs for authority concepts not represented in other sources

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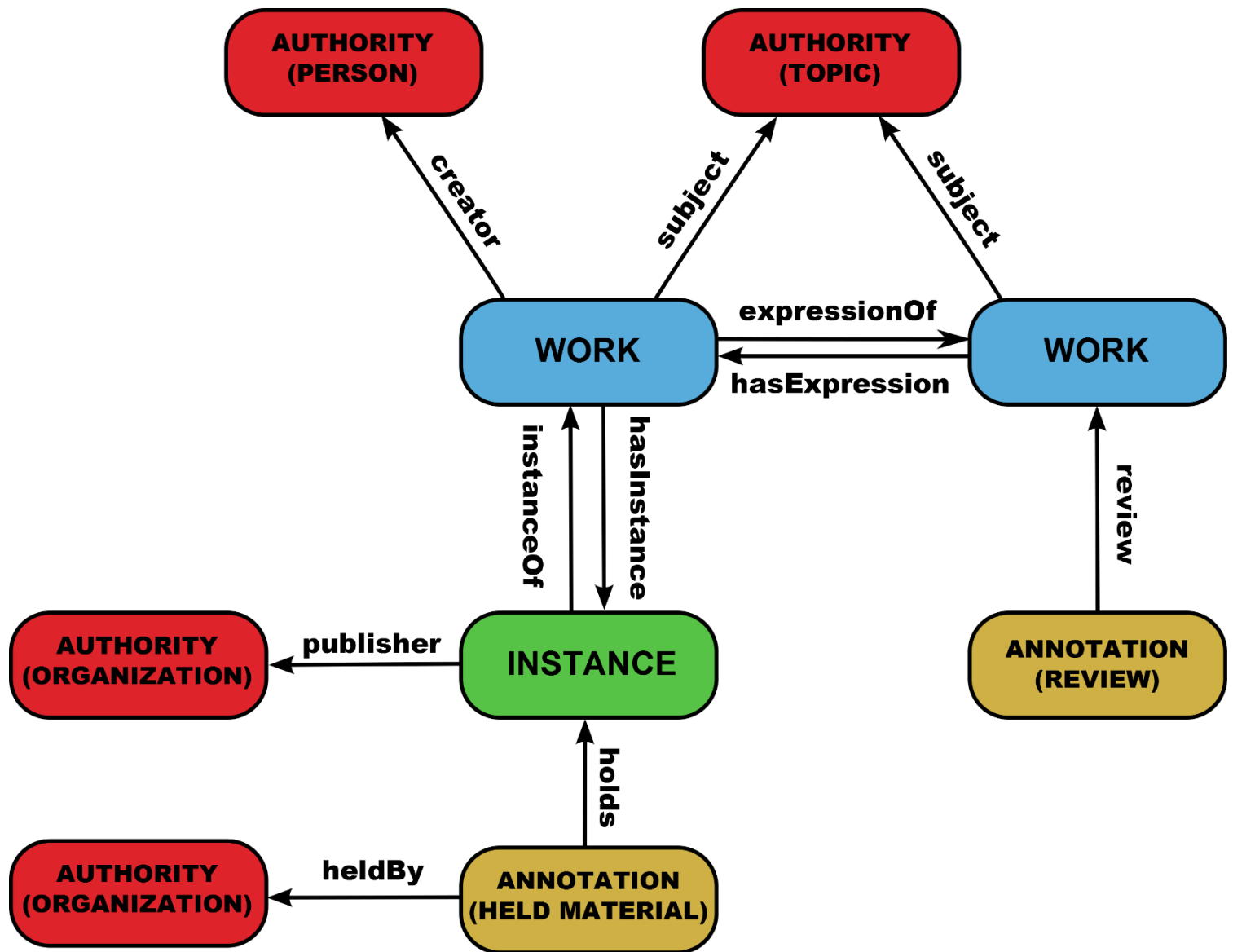
# BIBFRAME Annotation

- FRBR Item, among other things
- Summaries, reviews, holdings information, etc.

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# BIBFRAME Model



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## Two Editors, Two Very Different Approaches

- [BIBFRAME Editor](#) (Library of Congress)
  - Detailed workflow
  - Geared toward trained catalogers
- [BIBFRAME Scribe](#) (Zepheira)
  - Simplified workflow
  - Usable by non-catalogers

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## BIBFRAME vs. RDA/FRBR

- 2-entity model doesn't align with FRBR
- "Work" means different things to different communities
- FRBR not optimal for audiovisual resources
- FRBR not optimal for serials
- BIBFRAME relationships are more extensible and flexible

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# BIBFRAME and Schema.org

- OCLC and W3C Schema Bib Extend Community Group's Schema.org extension vocabulary evolved into BiblioGraph.net
- Working toward one another
- BIBFRAME for description, curation, and data exchange
- Schema.org for discovery via common search engines

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# Libhub Initiative

- <http://www.libhub.org/>
- Zepheira's new BIBFRAME project
- To publish BIBFRAME resources on the open web
- To track visibility in search engines
- Libhub Network anticipated in summer 2015

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# Thank you!

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Article: "The Road to BIBFRAME: The Evolution of the Idea of Bibliographic Transition into a Post-MARC Future." *Cataloging & Classification Quarterly* 51, no. 8 (2013).

<http://dx.doi.org/10.1080/01639374.2013.823584>

or <http://bit.ly/1IEOFsG>

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