1. Introduction of members and visitors
2. Settlement of the agenda
2.5. Ratify publication of DCRM(C) - Consent Agenda *
3. Approval of Midwinter 2016 minutes
4. Updates from BSC Chair
5. DCRM(M): Descriptive Cataloging of Rare Materials (Music) (Schneider for Lorimer)
6. DCRM(C): Descriptive Cataloging of Rare Materials (Cartographic) (Fell)
7. DCRM(MSS): Descriptive Cataloging of Rare Materials (Manuscripts) (Nichols)
8. Controlled Vocabularies Editorial Group (Carpenter/Hildebrand/O’Dell)
9. Revision of Standard Citation Forms for Rare Materials Cataloging (Barrett/Myers)
10. BSC-sponsored RBMS Conference programs
   a. (2016) – Coral Gables, FL
      1. Workshop: DCRMC (Fell)
      2. Seminar: Succession planning (Isaac)
      3. Seminar: Linked Data Consumption for the Rare Materials Librarian: An Introduction and How-To (O’Dell)
   b. (2017) – Iowa City, IA
      1. Workshop: DCRM(M) – Lorimer
      2. Seminar: DCRM(MSS) – Nichols
      3. Seminar: Using DCRM for modern material – O’Dell
11. CC:DA Report (Haugen)
12. Report on OCLC and Rare Materials Survey (O’Dell/Pearson for Folsom)
13. DCRM Task Force (Lapka)
14. LD4P Project and BSC (Kovari)
15. TF to Explore Data Elements for Rare Materials (O’Dell)
16. Announcements from the floor
17. Acknowledgements
18. Adjournment

Appendix A: Report from the TF to Explore Data Elements for Rare Materials
Appendix B: Directory of Internet Resources: Additions June 2016

*Asterisk denotes agenda items that were added or reordered due to various issues.

1. Introduction of members and visitors

Members present: Nina Schneider, Clark Library, UCLA (Chair); Marcia Barrett, University of California Santa Cruz; Valerie Buck, Brigham Young University (Secretary); Jane Carpenter, UCLA (ex-officio: Controlled Vocabularies editor); Ellen Cordes, Lewis Walpole
2. Settlement of the agenda

Nina Schneider added Item 2.5 Ratify publication of DCRM(C) Consent Agenda, to the original agenda. This was moved and seconded.

2.5. Ratify publication of DCRM(C) – Consent Agenda

In polls that closed on January 26, 2016, the BSC voted 100% in favor of publication of DCRM(C). For today's meeting Schneider called for ratification. The consent agenda was ratified unanimously.

3. Approval of Midwinter 2016 minutes

The minutes were approved pending minor corrections.

4. Updates from BSC Chair

1. Schneider thanked Lori Dekydtspotter for being the BSC Chair’s representative at the 2016 RBMS Conference during the New Member Orientation.

2. Larry Creider, who has gathered new web resources for rare materials for inclusion in each round of BSC minutes, will be retiring. Schneider called for a volunteer to replace him. Interested people need to speak to Schneider by September 2016.
3. Amy Tims will replace Matthew Haugen as BSC’s CC:DA liaison, as Haugen’s term ends after ALA Annual 2016.

5. DCRM(M): Descriptive Cataloging of Rare Materials (Music) (Schneider for Lorimer)

Schneider reported for Nancy Lorimer, who was presenting elsewhere. The DCRM(M) manual is finished. After BSC approval, the manual needs to be approved by the Music Library Association, and then by the RBMS Executive Committee. Schneider called for a vote for BSC approval for publication. The vote was unanimous in favor of approval. Schneider will send an email to Lorimer with the news.

6. DCRM(C): Descriptive Cataloging of Rare Materials (Cartographic) (Fell)

Nancy Kandoian reported. The manual is completed and approved. Indexing for the manual has not yet been completed as no word has come back to Schneider from Mary Lacy in Budget and Development regarding funding for this and two other manuals that need indexing (Music and Manuscripts).

Kandoian, Todd Fell, and Randy Brandt presented a workshop at the 2016 RBMS Conference teaching how to use the new DCRM(C) manual. There were 19 registrants.

7. DCRM(MSS): Descriptive Cataloging of Rare Materials (Manuscripts) (Nichols)

Margaret Nichols reported. The text is done. The cover design, a credit for the cover design, and the index still need to be completed. Dark purple is the cover color. The code “dcrmmss” still needs to be approved for the Cataloging Source (MARC 040 field).

Nichols announced that, although scheduled, there will be no editorial meetings on Monday.

Schneider called for a vote to approve DCRM(MSS) for publication; the vote was unanimous. The manual needs to be approved by both the RBMS Executive Committee and the Society of American Archivists.

8. Controlled Vocabularies Editorial Group (Carpenter/Hildebrand/O’Dell)

Jane Carpenter reported that the group has been meeting virtually every other Monday for a year. They hope to finish the genre term list scope notes by the end of their scheduled meetings today. This was a project begun in preparation for the integration of the six RBMS thesauri which was projected to happen this summer under the direction of Ryan Hildebrand. Hildebrand requested the code for the integrated vocabularies to be RBMSCV.

After ALA Annual 2016, Carpenter will end her term as co-chair. Amy Brown will replace her; Ryan Hildebrand will continue as co-chair from the Publications Committee.
Brown provided an update about the integration of the thesauri as well as for work on linked open data (LOD). For the thesauri, the group has worked on combining duplicate terms. This is problematical especially when a term has different meanings for different groups. This group is also working to establish hierarchies. For LOD, all of the vocabularies have been released in LOD-friendly formats. O’Dell provided an update on next options for linked data at the RBMS Conference. Amber Billey will be reporting at Sunday’s PCC Participants meeting.

The group will be meeting later today to discuss next steps. New members have been appointed, and are posted on the online group roster.

Discussion ensued about how the controlled vocabularies are being expressed as linked open data and about URIs. O’Dell commented that the URIs will be changing; all will be getting a new identifier. The new platform needs to be chosen first. The schedule for posting new data will probably be quarterly. Projected finalization may be in three to six months. Lapka pointed out that certain vocabularies are more useful, wants RBMS to catch up. O’Dell spoke about future reconciliations to other vocabularies.

9. Revision of Standard Citation Forms for Rare Materials Cataloging (Barrett/Myers)

Barrett reported that the SCF database has 1075 average session per month. Proposed citations continue to be submitted and added to the database each month. The process is going well.

10. BSC-sponsored RBMS Conference programs

a. (2016) – Coral Gables, FL
   1. Workshop: DCRMC (Fell)

See Item 5 for the report on this workshop.

   2. Seminar: Succession planning (Isaac)

Linda Isaac reported a huge success for this seminar. There were about 100 attendees. Deborah Leslie, Colleen Barrett, and Lori Dekydtspotter spoke. Useful feedback from the seminar included questions and comments:
   - How do people learn rare materials cataloging? Rare Book School is too expensive for many. Several options were discussed.
   - It is hard to teach cataloging when a trainer can’t give individual attention.
   - Ann Myers at Stanford mentioned Stanford’s Rare Cataloger Directory that lists who one can contact for help.

O’Dell suggested train-the-trainer models to help; The Software Carpentry Foundation has a model that would be great to follow. Their URL is http://software-carpentry.org.

   3. Seminar: Linked Data Consumption for the Rare Materials Librarian: An Introduction and How-To (O’Dell)
O'Dell reported that attendance was pretty full for this seminar. Amy Tims acted as moderator, with three presenters. Amber Billey introduced the issue, Brian Geiger described the ESTC21 project, and O'Dell talked about controlled vocabularies.

b. (2017) – Iowa City, IA

1. Workshop: DCRM(M) – Lorimer

Schneider reported for Lorimer. A proposal was submitted for training in the new DCRM(M) manual. Attendees will need a music background.

2. Seminar: DCRM(MSS) – Nichols

Margaret Nichols reported that a proposal has been submitted. It will be a panel discussion, including many issues a cataloger faces when making decisions about how to catalog manuscript material. The three speakers will be Alison Bridger, Wisconsin Historical Society; Kate Moriarty, Saint Louis University, and Allison O’Dell, University of Florida. Nichols will act as moderator.

3. Seminar: Using DCRM for modern material – O’Dell

O’Dell reported that a proposal has been submitted, using the title “Today’s Rare Materials.” There will be nine speakers with their toolkit of tricks. The goal is to come away with a better understanding of the challenges and solutions for cataloging “today’s materials.” A discussion ensued about exactly what types of “rare/special” materials will be covered. O’Dell will work on a better description. Schneider called for BSC approval for the changes. The vote was unanimous for approval.

11. CC:DA Report (Haugen)

Matthew Haugen reported that he had received feedback from BSC and others regarding proposals to the RDA Steering Committee (RSC), for which he thanked all. Due to some feedback, the Library of Congress submitted a fast track proposal about the treatment of booksellers and printers acting as publishers, which led to some revisions in RDA instructions.

The RDA Steering Committee (RSA) charged and created a rare materials working group with international catalogers to advance instructions in RDA concerning rare materials. CC:DA recently completed a review of the FRBR-Library Reference Model draft and submitted a response. BSC also submitted a response. There will be processing of all feedback, some of which will show in an updated version of the model. It’s unclear how much will change, or stay the same. It is likely there will be some big changes to RDA coming down the pipeline.

As mentioned at Midwinter, the BSC proposal to RSC to add referential relationships to RDA, specifically to create formal instructions for standard citation forms in the 510 field,
failed. However, certain elements of the proposal were referred to working groups for rare materials and for relationship designators.

Haugen continues to draft a discussion paper about the 510 and how to control the forms used there. Haugen hopes to get a final draft of the discussion paper ready by December 1, 2016. He welcomes comments.

MARC recently approved a genre/form service code for the Language of Bindings Thesaurus. There was a typo “kobt” in earlier discussion documents but the correct code to use in the 655 is “lobt”.

CC:DA’s current new business is not really relevant to BSC. Approved CC:DA issues will go to the RSC in Frankfurt in November 2016.

Haugen reminded the room that Amy Tims will succeed him as BSC’s CC:DA liaison.

Lapka thanked Haugen for an excellent job during his tenure. Schneider concurred, and the room agreed with applause.

12. Report on OCLC and Rare Materials Survey (O’Dell/Pearson for Folsom)

Schneider reminded the room that OCLC hosted a discussion at ALA Annual 2015 about the elimination of institutional records and alternatives for displaying copy-specific data. The BSC did a special survey about solutions. There were ten questions, eight required, two optional, resulting in 220 responses. Ninety percent of responders were dismayed at the inability to add copy-specific information. Seventy percent noted that they search for copy-specific information in the course of their work.

At Midwinter 2016 a new group was formed to explore the issue for BSC: Allison O’Dell, Audrey Pearson, and Amy Brown. Subsequent conversations included discussing how libraries use and capture information; how do researchers find information and how do they use it. The group asked Public Services librarians the latter question. They also spoke to Jackie Dooley of OCLC Research about some questions arising from their information gathering and are awaiting answers on some of the issues.

A discussion ensued about what the survey parameters may have missed, especially if the answers had to come from more than one person at an institution. Morag Boyd mentioned ARL’s approach to surveys and was promptly invited to join the discussion group. Additional discussion in the room recommended utilizing focus groups to help zero in on issues that OCLC can work with, and what OCLC would need from BSC. Dooley pointed out that research from users would be most helpful. O’Dell summarized the direction for this would need to answer, “How do they use it; how would they use it; and, how could they use it,” emphasizing that this is why catalogers need their input listened to as well. Next steps for the group will be more information gathering with public services discussion groups and other groups of users.
13. DCRM Task Force (Lapka)

Lapka first thanked Ellen Cordes and the Lewis Walpole at Yale for hosting the task force for three intense days of work in April. He announced that task force meetings at ALA Annual 2016 will consist only of a Sunday morning and a Sunday afternoon meeting.

Since Midwinter 2016 a small group within the TF has been charged to find examples to accompany DCRM guidelines. This group will begin work soon.

The group reviewed descriptions in RDA that affect the rare cataloging community. What remains include guidelines for item-specific information and the introductory section. These will be the focus for the next year. Plenty of issues remain to be resolved and ironed out. The task force term has been renewed through 30 June 2017. By this date the goal is to finish the first version of the policy statements the TF has been working on, Version 1.0. The scope of Version 1.0 will essentially be all the guidelines necessary to describe manifestations and items. This includes all information as recorded as attributes and information as recorded as relationships.

As the task force moves forward, Lapka reminded BSC that the group desires a lot of review from outside. This is especially cogent to BSC because in a year from now the responsibility for updating this information will become the duty of the BSC. The June 2017 BSC meeting will need to determine how to preserve continuity and institutional memory of the task force. Some questions that may not be answered until after this transition will include special cartographic and music instructions.

Lapka noted that the name of the document will be “RBMS Policy Statements” (until now most often referred to as DCRM2).

Lapka also reported on the formation of the RDA Rare Materials Working Group, under the aegis of the RSC, in March 2016. It comprises representatives from the National Library of Scotland and libraries in Spain and Sweden, as well as about ten members of RBMS (including Lapka, Haugen, Schneider, Deborah Leslie, Jane Gillis, Aislinn Sotelo). The work includes submitting proposals, discussion papers, etc. Submissions for this year must be in by August 1, 2016. Tasks focused on so far include a review in RDA for anywhere that “early print resources” is mentioned, as well as “Impressions,” and “Item specific information.”

Lapka asked for a discussion about the definition of “early printed resources,” which he originally initiated on DCRM-L. The discussion ended without a satisfactory solution; Lapka said that the issue would be more discussed in the Task Force’s Sunday meetings.

[Schneider asked the room to recognize Nancy Lorimer (newly arrived) for all her work on the DCRM(M) manual. All present applauded Lorimer.]

14. LD4P Project and BSC (Kovari)
Jason Kovari explained that six libraries (Columbia, Cornell, Harvard, Library of Congress, Princeton, and Stanford) received Mellon funding for the LD4P (Linked Data for Production) Project (a project related to the LD4L [Linked Data for Libraries] Lab Project). The focus is to meld findings from these six libraries as they explore transitioning to workflows based in Linked Open Data (LOD). The project was divided into two sections. The first is a program area looking into cataloging communities to create relationships with other data initiatives around library data, and also their institutional projects. The second segment includes working with communities of practice to expand existing library ontologies that can support different subject matter, for example for music materials, and for rare materials (Cornell’s focus). Kovari reminded all that the outcomes of this project are foundational moments. The project is not looking to own this work; the aim is to provide resources to and connect communities of practice with linked data experts and technologists to make sure needs are met.

The BSC received a Call for Participation from LD4P recently for the rare materials project, and the group of respondents is large. The idea is to devise use cases to determine what exact model to create. This is in the early stages of development. The project is trying to make it so there is more than one single way to use the models so other groups can use them too. The timeline for the rare materials portion of LD4P is one year; two years for LD4P as a whole. However, the idea is that the results will not be a finished product, but a place to begin more refined work. As this progresses, BSC will continue to be well informed of developments.

O’Dell raised the concern that LD4P and the BSC’s Task Force to Explore Data Elements for Rare Materials might be duplicating work. Schneider pointed out that the Task Force’s work is part of the phase of devising use cases, thus a first step in the partnership with LD4P in developing an ontology. Leslie asked if a formal approval for LD4P’s collaboration with BSC exists, recorded in minutes (to avoid confusion in the future). Schneider replied that a formal motion from BSC about how BSC is collaborating with LD4P would be premature because what Kovari is doing is so very exploratory. BSC is offering our members’ expertise. Lorimer reminded the room that the LD4P grant is already operational, reason enough for Kovari’s collaboration with BSC.

15. TF to Explore Data Elements for Rare Materials (O’Dell)

O’Dell explained that the impetus for the TF grew from conversations on the DCRM listserv about the need for access to copy-specific information. General interest grew in developing an ontology out of BSC that helps encode and build access to special collections materials. The TF was charged to explore needed data elements, based on different thesauri, and to create a data elements list, as well as to identify issues related to publishing schema. The decision was made to build off Zepheira’s model, especially as Aislinn Sotelo had already been working with them. Referring to the TF’s submitted report (see Appendix A), O’Dell said we need to ask if this is reflecting what we try to give access to.

Next steps will be working on corralling all the feedback, and then looking at what the eventual publication strategy will be. Discussion ensued about ease of navigation, and the
fact that this ontology is based on something that changes all the time. Kovari commented that there may be ownership issues with Zephiera, including ownership of ontologies. Schneider reminded the room that the TF’s work can be a use case of LD4P; she recommended forming a small group to explore the perceived two different directions of the TF and LD4P. O’Dell emphasized that the TF and LD4P should be collaborating. Due to time constraints, Schneider ended the discussion; she will consult with O’Dell and Kovari and then put a vote for BSC on ALAconnect.

16. Announcements from the floor

1. Leslie announced that recent library school graduates (within the last 18 months) can apply for a Folger Shakespeare Library residency, working with Leslie. Deadline June 30, 2016.

2. Pearson announced that the Beinecke Library is looking for a head of acquisitions.

17. Acknowledgements

Schneider formally acknowledged and thanked the following for their contributions and hard work as they rotate off BSC, its task forces, groups, or projects:

- Larry Creider
- Lori Dekydtspotter
- Jane Carpenter
- Asheleigh Folsom
- Francis Lapka
- Linda Isaac
- Christine DeZelar-Tiedman
- Audrey Pearson

BSC members returning for a second term: Ellen Cordes and Allison O’Dell.

New BSC members are Kate Moriarty and Jason Kovari.

18. Adjournment

The meeting adjourned at 11:42 a.m.

--Respectfully submitted by Valerie Buck, RBMS Bibliographic Standards Committee Secretary.
Appendix A

Report on the Task Force to Explore Data Elements for Rare Materials

Description
Submitted June 2016 to the ALA/ACRL/RBMS Bibliographic Standards Committee

Proposal and Charge
At the 2015 ALA Annual Conference & Exhibition, a Bibliographic Standards Committee (BSC) task force was charged:

1. To determine a list of data elements complementary to the Descriptive Cataloging of Rare Materials (DCRM) suite, the RBMS Policy Statements for RDA, the Controlled Vocabularies for Use in Rare Book and Special Collections Cataloging, and rare materials user needs
2. To recommend solution(s) for incorporating these data elements into library and archives data models, schemata, and tools
3. To seek community partners for these solution(s)

Activities
The Task Force organized existing standards and vocabularies into thematic areas and researched data elements and relevant literature in/on those themes:

- Serials (DCRM(S), xZINECOREx)
- Paper (rbpap)
- Reader/user engagement (rbprov)
- Bindings (notes in DCRM(B), rbbin)
- Graphics (DCRM(G), VRA Core, AAT)
- Manuscripts and archives (TEI, AMREMM, DACS, EAD)

2. https://github.com/MiloQZAP/xZINECOREx
11. http://rbms.info/dcrm/amremm/
13. https://www.loc.gov/ead/
The Task Force drafted and discussed needed data elements and relationships peculiar to rare materials description. The result is posted on the Task Force’s GitHub repository, and is summarized below. To avoid duplication and shorten this lengthy document, elements already present in the bibfra.me vocabularies (which includes Library, Rare Materials, Archive, and Relation vocabularies developed in collaboration with members of Bibliographic Standards Committee and the archival profession) are excluded from this list.

The Task Force determined that user testing would be critical to a successful product. Thus, work was executed as a proposed extension of the bibfra.me Rare Materials Vocabulary Navigator. This will allow stakeholders to view the drafted data elements through an interactive, Web-based platform. This does not represent a commitment to partnering with either BIBFRAME or Zepheira, but rather, a practical workflow solution using existing tools.

**Data Elements**

Based on the exploration described above, the task force has determined that the following data elements are needed to extend the bibfra.me vocabularies for rare materials and archives.

---

14 http://rbms.info/dcrm/dcrmb/
15 http://rbms.info/vocabularies/type/alphabetical_list.htm
16 http://rbms.info/vocabularies/printing-publishing/alphabetical_list.htm
17 http://eac.staatsbibliothek-berlin.de/
18 http://rbms.info/vocabularies/relators/alphabetical_list.htm
20 http://rbms.info/dcrm/dcrmm/
21 http://rbms.info/dcrm/dcrmc/
22 https://github.com/informaticmonad/bibframe
23 http://bibfra.me/view/rare/
<!-- TITLE -->

## titleSource
* label: titlesource
* refines: <http://bibfra.me/vocab/lite/title>
* description: Source of the title, used when not explicitly given on the resource
* value: Literal
* scope: <http://bibfra.me/vocab/rare>
* remark: Includes devised title

## correctedTitle
* label: Corrected Title
* refines: <http://bibfra.me/vocab/lite/titleAlternative>
* description: Title corrected by cataloging agency
* value: Literal
* scope: <http://bibfra.me/vocab/rare>

## preferredCitation
* label: preferredcitation
* refines: <http://bibfra.me/vocab/archive>
* description: Phrasing for preferred citation when referencing the resource
* value: Literal
* scope: <http://bibfra.me/vocab/rare>

<!-- LANGUAGE -->

## translationOf
* label: translationof
* refines: <http://bibfra.me/vocab/lite/language>
* description: Relationship to resource which the resource is a translation of
* value: URI
* scope: <http://bibfra.me/vocab/rare>
## translatedAs
* label: translatedas
* refines: <http://bibfra.me/vocab/lite/language>
* description: Relationship to resource which is a translation of the resource
* value: URI
* scope: <http://bibfra.me/vocab/rare>

<!-- CONSTRUCTION -->

## collation
* label: collation
* refines: <http://bibfra.me/vocab/lite/note>
* synonyms: <http://bibfra.me/vocab/dcrmb/signature>
* description: Collation or signature statement
* value: Literal
* scope: <http://bibfra.me/vocab/rare>
* remark: Suggest replacing <http://bibfra.me/vocab/dcrmb/signature> with collation, to encompass manuscript materials

## layout
* label: layout
* refines: <http://bibfra.me/vocab/marc/otherPhysicalDetails/>
* description: Description of page or other layout
* value: Literal
* scope: <http://bibfra.me/vocab/rare>
* remark: For maps, examples include “both sides”, “back to back”, and/or note to describe any other unusual layout of the map(s), etc.
<!-- CONDITION -->

## condition
* label: condition
* refines: <http://bibfra.me/vocab/rare>
* synonyms:
* description: Condition report, including conservation/preservation needs and defects of the copy
* value: Literal
* scope: <http://bibfra.me/vocab/rare>

<!-- HISTORY OF USE -->

## originCulture
* label: culture
* refines: <http://bibfra.me/vocab/rare>
* description: Culture from which the creation of the work originated
* value: URI
* scope: <http://bibfra.me/vocab/rare>

## userEngagement
* label: user engagement
* refines: <http://bibfra.me/vocab/lite/note>
* description: Evidence of user or reader engagement, such as marks, inscriptions, and annotations
* value: Literal
* scope: <http://bibfra.me/vocab/rare>

## addedMaterials
* label: added materials
* refines: <http://bibfra.me/vocab/rare/userEngagement>
* description: Description of materials added to the resource by a user, such as extra-illustrations and insertions
* value: Literal
* scope: <http://bibfra.me/vocab/rare>

## userEngagementTerm
* label: user engagement term
* refines: <http://bibfra.me/vocab/rare>
* description: Index terms for evidence of user or reader engagement, such as marks, inscriptions, annotations, and added materials
* value: URI
* scope: <http://bibfra.me/vocab/rare>

## shelfmark
* label: shelfmark
* refines: <http://bibfra.me/vocab/rare>
* description: Current and former shelfmarks
* value: Literal
* scope: <http://bibfra.me/vocab/rare>

<!-- BINDING -->

## binding
* label: binding
* refines: <http://bibfra.me/vocab/lite/note>
* description: Description of bookbinding
* value: Literal
* scope: <http://bibfra.me/vocab/rare>

## sewing
* label: sewing
* refines: <http://bibfra.me/vocab/rare/binding>
* description: Description of sewing structures used in bookbinding
* value: Literal
* scope: <http://bibfra.me/vocab/rare>

## bindingDesign
* label: binding design
* refines: <http://bibfra.me/vocab/rare/binding>
* description: Description of surface design used in bookbinding, particularly of stylistic features and cultural/geographic/temporal context
* value: Literal
* scope: <http://bibfra.me/vocab/rare>

## cover
* label: cover
* refines: <http://bibfra.me/vocab/rare/binding>
* description: Description of covering materials, wrappers, jackets, etc.
* value: Literal
* scope: <http://bibfra.me/vocab/rare>

## bindingTerm
* label: binding term
* refines: <http://bibfra.me/vocab/rare/binding>
* description: Index terms for binding
* value: URI
* scope: <http://bibfra.me/vocab/rare>

## bindingColor
* label: bindingcolor
* refines: <http://bibfra.me/vocab/marc/color>
* description: Index colors of bookbinding coloring material
* value: URI
* scope: <http://bibfra.me/vocab/rare>
<!-- CONTENTS -->

## boundWith
* label: boundwith
* refines: <http://bibfra.me/vocab/rare>
* description: URI for bound-with resource
* value: URI
* scope: <http://bibfra.me/vocab/rare>

## unnamedContents
* label: unnamed contents
* refines: <http://bibfra.me/vocab/marc/contentsNote>
* description: List contents not named on the title page
* value: Literal
* scope: <http://bibfra.me/vocab/rare>

## advertisement
* label: advertisement
* refines: <http://bibfra.me/vocab/marc/contentsNote>
* description: Note about advertisements included in the resource
* value: Literal
* scope: <http://bibfra.me/vocab/rare>

## errata
* label: errata
* refines: <http://bibfra.me/vocab/marc/contentsNote>
* description: Note about errata slips
* value: Literal
* scope: <http://bibfra.me/vocab/rare>
## expansionCorrection
* label: expansion
* refines: <http://bibfra.me/vocab/lite/extent>
* description: Note on expansions or corrections
* value: Literal
* scope: <http://bibfra.me/vocab/rare>

<!-- GRAPHICS & ILLUSTRATIONS -->

## printmaking
* label: printmaking
* refines: <http://bibfra.me/vocab/marc/illustrations>
* description: Description of printmaking processes used to make the resource
* value: Literal
* scope: <http://bibfra.me/vocab/rare>

## printmakingTerm
* label: printmaking term
* refines: <http://bibfra.me/vocab/rare/printmaking>
* description: Index printmaking processes used to make the resource
* value: URI
* scope: <http://bibfra.me/vocab/rare>

## decoration
* label: decoration
* refines: <http://bibfra.me/vocab/marc/illustrations>
* description: Decorative features, as in illumination, historiation, designs, and patterns
* value: Literal
* scope: <http://bibfra.me/vocab/rare>
## decorationTerm
* label: decorationterm
* refines: <http://bibfra.me/vocab/rare/decoration>
* description: Index decorative features
* value: URI
* scope: <http://bibfra.me/vocab/rare>

<!-- EXHIBITS -->

## exhibit
* label: exhibithistory
* refines: <http://bibfra.me/vocab/dcrmb>
* description: Note about exhibitions that have featured the resource
* value: Literal
* scope: <http://bibfra.me/vocab/rare>

## exhibitCatalog
* label: exhibitcatalog
* refines: <http://bibfra.me/vocab/dcrmb/citations>
* description: Relationship to an exhibition catalog that features the resource
* value: URI
* scope: <http://bibfra.me/vocab/rare>

## exhibitOf
* label: exhibitof
* refines: <http://bibfra.me/vocab/dcrmb/citations>
* description: Relationship to resources featured in an exhibition catalog
* value: URI
* scope: <http://bibfra.me/vocab/rare>
* remark: Use contents note for literal explanation of exhibited resources
<!-- BIBLIOGRAPHIES -->

### citedIn

* label: citedin
  * refines: <http://bibfra.me/vocab/rare/citations>
  * synonyms: <http://bibfra.me/vocab/marc/citationUri>
  * description: Relationship to a resource that cites the resource
  * value: URI
  * scope: <http://bibfra.me/vocab/rare>
  * remark: Suggest revision of http://bibfra.me/vocab/marc/citationUri to reflect citedIn/citedBy reflexive relationship

### cites

* label: cites
  * refines: <http://bibfra.me/vocab/rare/citations>
  * description: Relationship to a resource cited in the resource
  * value: URI
  * scope: <http://bibfra.me/vocab/rare>

<!-- EDITION -->

### limitationStatement

* label: limitation statement
  * refines: <http://bibfra.me/vocab/marc/edition>
  * description: Statement regarding editioning and/or the limited number of copies in an edition
  * value: Literal
  * scope: <http://bibfra.me/vocab/rare>

### colophon

* label: colophon
  * refines: <http://bibfra.me/vocab/marc/edition>
* description: Transcription of the colophon
* value: Literal
* scope:  <http://bibfra.me/vocab/rare>

## version
* label: version
* refines:  <http://bibfra.me/vocab/marc/edition>
* description: Statement about the version of the resource, as in manuscript tradition
* value: Literal
* scope:  <http://bibfra.me/vocab/rare>

## issue
* label: issue
* refines:  <http://bibfra.me/vocab/marc/edition>
* description: Details about the particular issue of the resource
* value: Literal
* scope:  <http://bibfra.me/vocab/rare>

## state
* label: state
* refines:  <http://bibfra.me/vocab/marc/edition>
* description: Details about the particular state of the resource
* value: Literal
* scope:  <http://bibfra.me/vocab/rare>

<!-- SUBJECTS & GENRES -->

## depicts
* label: depicts
* refines:  <http://bibfra.me/vocab/lite/subject>
* description: Index term for something or someone featured and/or depicted in/on the resource
* value: URI
* scope: <http://bibfra.me/vocab/rare>
* remark: The ‘of-ness’ of a work

## application
* label: application
* refines: <http://bibfra.me/vocab/lite/subject>
* description: Index disciplines, methods, etc. which would likely find applications for the resource
* value: URI
* scope: <http://bibfra.me/vocab/rare>
* remark: The ‘useful-ness’ of a work

## workType
* label: work type
* refines:<http://bibfra.me/vocab/lite/genre>
* description: Index the kind of work or works being described
* value: URI
* scope: <http://bibfra.me/vocab/rare>

## style
* label: style
* refines:<http://bibfra.me/vocab/lite/genre>
* description: Index artistic or cultural styles used in the work
* value: URI
* scope: <http://bibfra.me/vocab/rare>

<!-- MATERIALS & TECHNIQUES -->

## technique
* label: technique
* refines: <http://bibfra.me/vocab/rare>
* description: Index techniques used to make the resource
* value: URI
* scope:  <http://bibfra.me/vocab/rare>

## material
* label: material
* refines:  <http://bibfra.me/vocab/rare>
* description: Index materials used to make the resource, such as leather, cloth, vellum, or paper fibers
* value: URI
* scope:  <http://bibfra.me/vocab/rare>

## paper
* label: paper
* refines: <http://bibfra.me/vocab/lite/note>
* description: Description of paper used to make the resource
* value: Literal
* scope:  <http://bibfra.me/vocab/rare>

<!-- DATES -->

## fictitiousDate
* label: fictitious date
* refines: <http://bibfra.me/vocab/lite/date>
* description: Fictitious date associated with the resource
* value: Literal
* scope:  <http://bibfra.me/vocab/rare>

## incorrectDate
* label: incorrect date
* refines: <http://bibfra.me/vocab/lite/date>
* description: Incorrect date associated with the resource
* value: Literal
* scope: <http://bibfra.me/vocab/rare>

## situationDate
* label: situation date
* refines: <http://bibfra.me/vocab/lite/date>
* description: date (or dates) of the information shown on the material
* value: Literal
* scope: <http://bibfra.me/vocab/rare>

<!-- COPYRIGHT -->

## freedomUse
* label: freedom to use
* refines: <http://bibfra.me/vocab/lite/copyright>
* description: Freedoms to use and/or reproduce content, such as creative commons or copyleft licenses
* value: Literal
* scope: <http://bibfra.me/vocab/rare>

## restrictionUse
* label: restrictions on use
* refines: <http://bibfra.me/vocab/lite/copyright>
* description: Restrictions on use or reproduction of the resource and its content, such as intellectual property rights or embargos
* value: Literal
* scope: <http://bibfra.me/vocab/rare>
<!-- REPRODUCTION -->

## reproduction
* label: reproduction
* refines: <http://bibfra.me/vocab/marc/reproductionNote>
* description: Relationship to a reproduction of the resource
* value: URI
* scope: <http://bibfra.me/vocab/rare>

<!-- LETTERFORMS -->

## type
* label: type
* refines: <http://bibfra.me/vocab/rare>
* description: Description of type used to make the resource
* value: Literal
* scope: <http://bibfra.me/vocab/rare>

## typeTerm
* label: type term
* refines: <http://bibfra.me/vocab/rare/type>
* description: Index typefaces and type features used to make the resource
* value: URI
* scope: <http://bibfra.me/vocab/rare>

## script
* label: script
* refines: <http://bibfra.me/vocab/rare>
* description: Description of script(s) used to make the resource, as in calligraphy or manuscript hands
* value: Literal
* scope: <http://bibfra.me/vocab/rare>
## scriptTerm
* label: script term
* refines: <http://bibfra.me/vocab/rare/script>
* description: Index letterforms used to make the resource
* value: URI
* scope: <http://bibfra.me/vocab/rare>

<!-- SERIALS -->

## issuedAlsoAs
* label: issued also as
* refines: <http://bibfra.me/vocab/marc/ContinuingResources>
* description: Relationship to resource issued parallel to resource
* value: URI
* scope: <http://bibfra.me/vocab/rare>

## supplementTo
* label: supplement to
* refines: <http://bibfra.me/vocab/marc/ContinuingResources>
* synonyms:
* description: Relationship to resource which the resource supplements
* value: URI
* scope: <http://bibfra.me/vocab/rare>
* remark: Includes issued between issues of relationship

## supplementedBy
* label: supplemented by
* refines: <http://bibfra.me/vocab/marc/ContinuingResources>
* description: Relationship to resource which supplements the resource
* value: URI
* scope: <http://bibfra.me/vocab/rare>
* remark: Includes issued with and indexes

## reissueOf
* label: re-issue of
* refines: <http://bibfra.me/vocab/marc/ContinuingResources>
* description: Relationship to a resource which the resource is a re-issue of
* value: URI
* scope: <http://bibfra.me/vocab/rare>

## reissuedAs
* label: re-issued as
* refines: <http://bibfra.me/vocab/marc/ContinuingResources>
* description: Relationship to resource which the resource was re-issued as
* value: URI
* scope: <http://bibfra.me/vocab/rare>

## continues
* label: continues
* refines: <http://bibfra.me/vocab/marc/ContinuingResources>
* description: Relationship to resource that the resource continues
* value: URI
* scope: <http://bibfra.me/vocab/rare>

## continuedBy
* label: continued by
* refines: <http://bibfra.me/vocab/marc/ContinuingResources>
* description: Relationship to resource that continues the resource
* value: URI
* scope: <http://bibfra.me/vocab/rare>

## merger
* label: merger
* refines: <http://bibfra.me/vocab/marc/ContinuingResources>
* description: Relationship to resource that the resource is a merger/absorption from, to, or with
* value: URI
* scope: <http://bibfra.me/vocab/rare>

## splitInto
* label: split into
* refines: <http://bibfra.me/vocab/marc/ContinuingResources>
* description: Relationship to resource which was split from the resource
* value: URI
* scope: <http://bibfra.me/vocab/rare>

## separatedFrom
* label: separated from
* refines: <http://bibfra.me/vocab/marc/ContinuingResources>
* description: Relationship to resource which the resource was separated from
* value: URI
* scope: <http://bibfra.me/vocab/rare>

## variantOf
* label: variant of
* refines: <http://bibfra.me/vocab/marc/ContinuingResources>
* description: Relationship to a resource which the resource is a variant of
* value: URI
* scope: <http://bibfra.me/vocab/rare>

## numbering
* label: numbering
* refines: <http://bibfra.me/vocab/marc/ContinuingResources>
* description: Note about numbering schemes and/or irregularities
* value: Literal
* scope: <http://bibfra.me/vocab/rare>
## beganWith
* label: began with
* refines: <http://bibfra.me/vocab/rare/numbering>
* description: Issue which publication began with
* value: Literal
* scope: <http://bibfra.me/vocab/rare>

## ceasedWith
* label: ceased with
* refines: <http://bibfra.me/vocab/rare/numbering>
* description: Issue which publication ceased with
* value: Literal
* scope: <http://bibfra.me/vocab/rare>

<p> <!-- CARTOGRAPHIC --></p>

## scale
* label: scale
* refines: <http://bibfra.me/vocab/marc/remainderOfScale>
* description: Contains additional information regarding scale conversion from bar scale, verbal scale or lack of scale on item
* value: Literal
* scope: <http://bibfra.me/vocab/rare>

## scaleTranscription
* label: scale transcription
* refines: <http://bibfra.me/vocab/marc/remainderOfScale>
* description: Provides transcription of any scale present but not transcribed in another element
* value: Literal
* scope: <http://bibfra.me/vocab/rare>
## verticalScale
* label: verticalScale
* refines: <http://bibfra.me/vocab/marc/representativeFractionOfScale>
* description: The vertical scale or exaggeration of a 3D model
* value: Literal
* scope: <http://bibfra.me/vocab/rare>

## coordinates
* label: coordinates
* refines: <http://bibfra.me/vocab/rare>
* description: Provides coordinates of cartographic material
* describes: <http://bibfra.me/vocab/marc/Map/>
* value: Literal
* scope: <http://bibfra.me/vocab/rare>

## coordinatesNote
* label: coordinates note
* refines: <http://bibfra.me/vocab/rare/coordinates>
* description: Additional information about coordinates, such as coordinates not extending to neat line or prime meridian other than Greenwich
* value: Literal
* scope: <http://bibfra.me/vocab/rare>

## equinoxEpoch
* label: equinox and epoch
* refines: <http://bibfra.me/vocab/rare/coordinates/coordinatesNote>
* description: Statement of equinox or epoch for celestial materials
* value: Literal
* scope: <http://bibfra.me/vocab/rare>

## declinationLimit
* label: declination limit
* refines: <http://bibfra.me/vocab/rare/coordinates>
* description: For charts centered on one of the two poles, give the declination limit
* value: Literal
* scope: <http://bibfra.me/vocab/rare>

## declinationZones
* label: declination zones
* refines: <http://bibfra.me/vocab/rare/coordinates>
* description:
* value: Literal
* scope: <http://bibfra.me/vocab/rare>

## mapDissected
* label: dissected map
* refines: <http://bibfra.me/vocab/marc/otherPhysicalDetails/>
* description: Indication if cartographic material has been dissected
* value: Literal
* scope: <http://bibfra.me/vocab/rare>

## mapMounted
* label: mounted map
* refines: <http://bibfra.me/vocab/marc/otherPhysicalDetails>
* description: Indication if map has been mounted
* value: Literal
* scope: <http://bibfra.me/vocab/rare>

## coverage
* label: coverage
* refines:<http://bibfra.me/vocab/lite/note>
* description: Geographic coverage of the material, unless apparent from the rest of the description
* value: Literal
* scope: <http://bibfra.me/vocab/rare>
### magnitude
* label: magnitude
* refines: <http://bibfra.me/vocab/rare/coordinates/coordinatesNote>
* description: Magnitude of celestial charts
* value: Literal
* scope: <http://bibfra.me/vocab/rare>

### dedication
* label: dedication note
* refines: <http://bibfra.me/vocab/lite/note>
* description: Grammatically separable dedications appearing in the chief source of information that have been omitted from the transcription
* value: Literal
* scope: <http://bibfra.me/vocab/rare>

### inset
* label: inset
* refines: <http://bibfra.me/vocab/rare>
* description: information relating to insets, ancillary maps, supplementary maps, maps on the verso of a sheet, illustrations, etc.
* value: Literal
* scope: <http://bibfra.me/vocab/rare>

### appearsIn
* label: appears in
* refines: <http://bibfra.me/vocab/rare>
* description: Relationship to work in which an identical plate appears, but cannot definitely be determined to be removed from
* value: URI
* scope: <http://bibfra.me/vocab/rare>
## accruals
* label: accruals
* refines: <http://bibfra.me/vocab/archive>
* description: Information regarding accruals or planned additions to a collection
* value: Literal
* scope: <http://bibfra.me/vocab/rare>

## retentionSchedule
* label: retention schedule
* refines: <http://bibfra.me/vocab/archive>
* description: Information about retention schedules or planned destruction
* value: Literal
* scope: <http://bibfra.me/vocab/rare>

## annotator
* label: annotator
* refines: <http://bibfra.me/vocab/relation/associatedname>
* scope: <http://bibfra.me/vocab/relation>
* synonyms: ann
* description: Writer of manuscript annotations on a printed item

## artist
* label: artist
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* synonyms: art
* description: Agent responsible for creating a work by conceiving, and implementing, an original graphic design, drawing, painting, or other work of art
* remark: Use specific terms when possible (for example, for book illustrators, use illustrator)

## assignee
* label: assignee
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* synonyms: asg
* description: Agent to whom a license for printing or publishing has been transferred

## associatedName
* label: associatedname
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* synonyms: asn
* description: Name associated with or found in an item or collection, but which cannot be determined to be that of a “former owner” or other relator indicative of provenance

## attributedName
* label: attributed name
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* synonyms: att
* description: Author, artist, etc. related to a work for which there is or once was substantial authority for designating that person as author, creator, etc.
* remark: Use for supposed name

## binder
* label: binder
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* synonyms: bnd
* description: Person who binds an item

## bindingDesigner
* label: binding designer
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* synonyms: bdd
* description: Person or organization responsible for the binding design of a book, including the type of binding, the type of materials used, and any decorative aspects of the binding

## blurbWriter
* label: blurb writer
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* synonyms: blw
* description: Agent responsible for writing a commendation or testimonial for a work, which appears on or within the publication itself, frequently on the back or dust jacket of print publications or on advertising material for all media

## bookArtist
* label: book artist
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* synonyms: bsl
* description: Agent who conceives and perhaps also executes an artist's book

## bookDesigner
* label: book designer
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* synonyms: bkd
* description: Agent responsible for the entire graphic design of a book, including arrangement of type and illustration, choice of materials, and process used

## bookjacketDesigner
* label: bookjacket designer
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* synonyms: bjd
* description: Agent responsible for the design of a dustjacket.

## bookplateDesigner
* label: bookplate designer
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* synonyms: bpd
* description: Agent responsible for the design of a book owner's identification label that is most commonly pasted to the inside front cover of a book.

## bookseller
* label: bookseller
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* synonyms: bsl
* description: Agent who makes books and other bibliographic materials available for purchase.

## calligrapher
* label: calligrapher
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* synonyms: cll
* description: Agent who writes in an artistic hand, usually as a copyist and or engrosser.
## cartographer
* label: cartographer
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* synonyms: ctg
* description: Agent responsible for creating a map, atlas, globe, or other cartographic work

## censor
* label: censor
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* synonyms: cns
* description: Agent who examines bibliographic resources for the purpose of suppressing parts deemed objectionable on moral, political, military, or other grounds

## collector
* label: collector
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* synonyms: col
* description: Agent responsible for bringing together material from various sources, which has been arranged, described, and cataloged as a collection

## collotyper
* label: collotyper
* refines: <http://bibfra.me/vocab/relation/electrotyper>
* scope: <http://bibfra.me/vocab/relation>
* synonyms: clt
* description: Agent involved in manufacturing a manifestation of photographic prints from film or other colloid that has ink-receptive and ink-repellentsurfaces
## colorist
* label: colorist
* refines: <http://bibfra.me/vocab/relation/artist>
* scope: <http://bibfra.me/vocab/relation>
* synonyms: clr
* description: Agent responsible for applying color to drawings, prints, photographs, maps, etc.

## compiler
* label: compiler
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* synonyms: com
* description: Agent responsible for creating a new work (e.g., a bibliography, a directory) through the act of compilation, e.g., selecting, arranging, aggregating, and editing data, information, etc.

## compositor
* label: compositor
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* synonyms: cmt
* description: Agent responsible for the creation of metal slug, or molds made of other materials, used to produce the text and images in printed matter

## copyrightHolder
* label: copyright holder
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* synonyms: cph
* description: Agent who created the intellectual content of a work or to whom copy and legal rights have been granted or transferred
## corrector
* label: corrector
* refines:<http://bibfra.me/vocab/lite/contributor>
* scope:  <http://bibfra.me/vocab/relation>
* synonyms: crr
* description: Agent who is a corrector of manuscripts, such as the scriptorium official who corrected the work of a scribe

## correspondent
* label: correspondent
* refines:<http://bibfra.me/vocab/lite/contributor>
* scope:  <http://bibfra.me/vocab/relation>
* synonyms: crp
* description: Agent who was either the writer or recipient of a letter or other communication

## contributor
* label: contributor
* refines:<http://bibfra.me/vocab/lite/contributor>
* scope:  <http://bibfra.me/vocab/relation>
* synonyms: ctb
* description: Person, family or organization responsible for making contributions to the resource. This includes those whose work has been contributed to a larger work, such as an anthology, serial publication, or other compilation of individual works. If a more specific role is available, prefer that, e.g. editor, compiler, illustrator.

## coverDesigner
* label: cover designer
* refines:<http://bibfra.me/vocab/lite/contributor>
* scope:  <http://bibfra.me/vocab/relation>
* synonyms: cov
* description: Person or organization responsible for the graphic design of a book cover, album cover, slipcase, box, container, etc. For a person or organization responsible for the graphic design of an entire book, use Book designer; for book jackets, use Bookjacket designer

### dedicatee
* label: dedicatee
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* synonyms: dte
* description: Agent to whom a resource is dedicated

### dedicator
* label: dedicator
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* synonyms: dto
* description: Agent who writes a dedication

### depositor
* label: depositor
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* synonyms: dpt
* description: Current owner of an item who deposited the item into the custody of another agent while still retaining ownership

### distributor
* label: distributor
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* synonyms: dst
* description: Agent that has exclusive or shared marketing rights for a resource
## donor
* label: donor
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* synonyms: dnr
* description: Former owner of an item who donated that item to another owner

## draftsman
* label: draftsman
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* synonyms: drm
* description: Agent contributing to a resource by an architect, inventor, etc., by making detailed plans or drawings for buildings, ships, aircraft, machines, objects, etc.

## editor
* label: editor
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* synonyms: edt
* description: Agent responsible for preparing for publication a work not primarily his/her/its own, such as by elucidating text, adding introductory or other critical matter, or technically directing an editorial staff

## electrotyper
* label: electrotyper
* refines: <http://bibfra.me/vocab/relation/platemaker>
* scope: <http://bibfra.me/vocab/relation>
* synonyms: elt
* description: Agent who creates a duplicate printing surface by pressure molding and electrodepositing of metal that is then backed up with lead for printing
## engraver
* label: engraver
* refines: <http://bibfra.me/vocab/relation/artist>
* scope: <http://bibfra.me/vocab/relation>
* synonyms: egr
* description: Agent who cuts letters, figures, etc. on a surface, such as a wooden or metal plate used for printing

## etcher
* label: etcher
* refines: <http://bibfra.me/vocab/relation/artist>
* scope: <http://bibfra.me/vocab/relation>
* synonyms: etr
* description: Person or organization who produces text or images for printing by subjecting metal, glass, or some other surface to acid or the corrosive action of some other substance

## facsimilist
* label: facsimilist
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* synonyms: etr
* description: Person or organization responsible for executing a facsimile or exact copy
* remark: Use for copier

## fore-edge Painter
* label: fore-edge painter
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* synonyms:
* description: Painter of a fore-edge painting
* remark: Use for fore-edgeartist

## forger
* label: forger
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* synonyms:
* description: Agent who produces fraudulent copies or imitations
* remark: Use for copier and counterfeiter

## formerOwner
* label: formerOwner
* refines: <http://bibfra.me/vocab/relation/associatedName>
* scope: <http://bibfra.me/vocab/relation>
* synonyms: fmo
* description: Agent who formerly had legal possession of an item
* remark: Use for inscribee

## graphicTechnician
* label: graphic technician
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* description: Person responsible for preparing graphic drawings, maps, displays and other visual resources

## honoree
* label: honoree
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* description: Person, family, or organization honored by a work or item (e.g., the honoree of a festschrift, a person to whom a copy is presented)
## illustrator
* label: illustrator
* refines: <http://bibfra.me/vocab/relation/artist>
* scope: <http://bibfra.me/vocab/relation>
* synonyms: ill
* description: Person, family, or organization contributing to a resource by supplementing the primary content with drawings, diagrams, photographs, etc. If the work is primarily the artistic content created by this entity, use artist or photographer

## illuminator
* label: illuminator
* refines:<http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* description: Person providing decoration to a specific item using precious metals or color, often with elaborate designs and motifs

## indexer
* label: indexer
* refines:<http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* description: Entity responsible for compiling an index.

## inscriber
* label: inscriber
* refines:<http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* description: Person who has written a statement of dedication or gift. Use for the entity that signs a presentation statement.

## interviewee
* label: interviewee
* refines:<http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* description: Person, family or organization responsible for creating or contributing to a resource by responding to an interviewer, usually a reporter, pollster, or some other information gathering agent

## interviewer
* label: interviewer
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* description: Person, family, or organization responsible for creating or contributing to a resource by acting as an interviewer, reporter, pollster, or some other information gathering agent

## lender
* label: lender
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* description: Person or organization permitting the temporary use of a book, manuscript, etc., such as for photocopying or microfilming

## licensee
* label: licensee
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* description: Person or organization who is an original recipient of the right to print or publish

## licensor
* label: licensor
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* description: Person or organization who is a signer of the license, imprimatur, etc.
## lithographer
* label: lithographer
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* description: Person or organization who prepares the stone or plate for lithographic printing, including a graphic artist creating a design directly on the surface from which printing will be done.

## marbler
* label: marbler
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* description: The entity responsible for marbling paper, cloth, leather, etc. used in construction of a resource.

## medium
* label: medium
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* description: Person who purports to communicate with spirits.
* remark: Proposed by Laura O'Keefe, 8/03. Although modern specialist usage recognizes distinctions among the functions of "medium," "psychic," "channel," and "clairvoyant," these terms appear to be less distinct in earlier works. This accounts for the inclusion of UFs that are not strictly equivalent according to specialists in psychic phenomena.

## metal- engraver
* label: metal-engraver
* refines: <http://bibfra.me/vocab/lite/engraver>
* scope: <http://bibfra.me/vocab/relation>
* description: Engraver responsible for decorations, illustrations, letters, etc. cut on a metal surface for printing or decoration.
## paperEngineer
* label: paper engineer
* refines: <http://bibfra.me/vocab/lite/engraver>
* scope: <http://bibfra.me/vocab/relation>
* description: Person responsible for the design of mechanisms of three-dimensional paper structures found in movable and pop-up books, greeting cards, etc.

## papermaker
* label: papermaker
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* description: Person or organization responsible for the production of paper, usually from wood, cloth, or other fibrous material

## patron
* label: patron
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* description: Person or organization responsible for commissioning a work. For the entity assuming primary responsibility for the production of a work, that is, the entity under the auspices of which a work is printed, published, etc., use <http://bibfra.me/vocab/relation/sponsor>.

## photographer
* label: photographer
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* description: Person, family, or organization responsible for creating a photographic work

## platemaker
* label: platemaker
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* description: Person, family, or organization involved in manufacturing a manifestation by preparing plates used in the production of printed images and/or text

## stereotyper
* label: stereotyper
* refines: <http://bibfra.me/vocab/lite/platemaker>
* scope: <http://bibfra.me/vocab/relation>
* description: Person or organization who creates a new plate for printing by molding or copying another printing surface

## printerOfPlates
* label: printer of plates
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* description: Person or organization who prints illustrations from plates.

## printmaker
* label: printmaker
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* description: Person or organization who makes a relief, intaglio, or planographic printing surface

## proofreader
* label: proofreader
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* description: Person who corrects printed matter. For manuscripts, use Corrector [crr]
## publisher
* label: publisher
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* description: Person or organization responsible for publishing, releasing, or issuing a resource

## recipient
* label: recipient
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* description: Entity to whom correspondence is addressed.

## rubricator
* label: rubricator
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* description: A person or organization responsible for parts of a work, often headings or opening parts of a manuscript, that appear in a distinctive color, usually red

## scribe
* label: scribe
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* description: A person who is an amanuensis and for a writer of manuscripts proper.
* remark: For a person who makes pen-facsimiles, use Facsimilist [fac]

## signer
* label: signer
* refines: <http://bibfra.me/vocab/lite/associatedname>
* scope: <http://bibfra.me/vocab/relation>
* description: A person whose signature appears without a presentation or other statement indicative of provenance. When there is a presentation statement, use Inscriber [ins].

### sponsor
* label: sponsor
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* description: A person, family, or organization sponsoring some aspect of a resource, e.g., funding research, sponsoring an event
* remark: For the entity responsible for commissioning a work, use Patron.

### stereotyper
* label: stereotyper
* refines: <http://bibfra.me/vocab/lite/platemaker>
* scope: <http://bibfra.me/vocab/relation>
* description: A person or organization who creates a new plate for printing by molding or copying another printing surface

### subscriber
* label: subscriber
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* description: Entity responsible for purchasing or pledging to purchase an item in advance of its publication.
* remark: Use for a person who purchases or pledges to purchase an item in advance of its publication.

### transcriber
* label: transcriber
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* description: A person, family, or organization contributing to a resource by changing it from one system of notation to another. For a work transcribed for a different instrument or performing group, see Arranger [arr]. For makers of pen- facsimiles, use Facsimilist[fac]

### typedesigner
* label: type designer
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* description: A person or organization who designs the type face used in a particular item

### typographer
* label: typographer
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* description: A person or organization primarily responsible for choice and arrangement of type used in an item. If the typographer is also responsible for other aspects of the graphic design of a book (e.g., Book designer [bkd]), codes for both functions may be needed

### witness
* label: witness
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* description: Person who verifies the truthfulness of an event or action

### woodEngraver
* label: woodengraver
* refines: <http://bibfra.me/vocab/lite/engraver>
* scope: <http://bibfra.me/vocab/relation>
* description: Person or organization who makes prints by cutting the image in relief on the end-grain of a wood block
## woodCutter
* label: woodcutter
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* description: Person or organization who makes prints by cutting the image in relief on the plank side of a wood block

## zinester
* label: zinester
* refines: <http://bibfra.me/vocab/lite/contributor>
* scope: <http://bibfra.me/vocab/relation>
* description: Person who creates a zine

<!-- END DATA ELEMENTS -->

Next Steps

1) Review, discussion, and revision of elements by BSC
   (Suggest use of a digress.it instance in collaboration with the Web Team)
2) Review and discussion by like-minded organizations
   (RBMS Controlled Vocabularies Editorial Group, CILIP Rare Books and Special Collections Group, Zepheira, Library of Congress BIBFRAME Initiative, DPLA, SAA Description Section, ESTC21, LD4P, VRA, MAGERT, MLA, ARLIS/NA Cataloging Advisory Committee and Book Art SIG)
3) Test and publish elements as part of an existing ontology, or as a standalone rare materials ontology

We propose that the Task Force be re-convened for one additional year to coordinate review, revision, testing, and publication of these data elements.
Publication Solutions
Potential partners and venues for publication of this ontology are:

**RBMS Controlled Vocabularies**
- Currently being published as LinkedData
- Contains relationship designators, logical transition into other RDF predicates
- Maintenance and editorial control by the RBMS community

**RareMaterials.org**
- A standalone namespace and ontology, to be maintained by BSC

**Linked Data for Production (LD4P)**
- Currently testing extension of the Library of Congress’s BIBFRAME ontology
- Consulting with BSC

**Zepheira, bibfra.me Rare Materials Vocabulary**
- Extend work already undertaken in collaboration with BSC members
- Other communities (e.g., MLA, CONSER, ISNI, DPLA) are working with Zepheira and BFLite to test conversion of MARC data

**Task Force Members**
- Allison Jai O’Dell, University of Florida (task force chair, BSC member)
- Amy Tims, American Antiquarian Society (BSC member)
- Amy Brown, Harry Ransom Center (BSC member)
- Arielle Middleman, Library Company of Philadelphia (volunteer)
- Dot Porter, Kislak Center for Special Collections, Rare Books and Manuscripts, Penn Libraries (volunteer)
- Linde M. Brocato, University of Memphis (volunteer)
- Amber D’Ambrosio, Willamette University (volunteer)
- Maria Oldal, The Morgan Library and Museum (volunteer)
- Gloria Gonzalez, Zepheira (volunteer)
Appendix B

BSC Directory of Web Resources for the Rare Materials Cataloger

Additions and Changes—June, 2016

NOTE: This will be the last list of additions and changes that I will make for the Directory of Web Resources for the Rare Materials Cataloger before I retire September 1. I believe that the web page will migrate to RBMS.info (help Randy!). I also hope that the Committee will consider maintaining the page worth the time, but it may be that it has outlived its usefulness. Anyway, I have found the process rewarding and hope it has been of assistance to catalogers. The next folks in charge will undoubtedly wish to change the page, and I say, “Go for it!”

Larry Creider

ADDITIONS:

https://www.loc.gov/aba/publications/FreeLCGFT/freelcgft.html Library of Congress Genre/Form Terms PDF Files

http://id.loc.gov/authorities/demographicTerms.html Library of Congress Demographic Group Terms

http://www.loc.gov/aba/publications/FreeLCDGT/freelcdgt.html Library of Congress Demographic Group Terms PDF Files


http://www.gla.ac.uk/services/incunabula/bindings/ Bindings from the Glasgow Incunabula Project

http://www.bnc.cat/eng/Editors-i-Editats-de-Catalunya/ Heritage of the Publishers and the Published of Catalonia.

http://www.womensbookhistory.org/the-bibliography Women in Book History Bibliography

https://script.byu.edu/Pages/Spanish/en/history.aspx Spanish Handwriting—One of BYU’s Script Tutorial

http://spanishpaleographytool.org/ Spanish Paleography Tool from CUNY’s Dominican Studies Institute


http://www.lib.uchicago.edu/e/collections/maps/middleeast19/ 19th Century Maps of the Middle East, North Africa, and Central Asia – From the University of Chicago

http://www.digital-scriptorium.org Add to Images of Medieval MSS

http://www.earlymedievalmonasticism.org/listoflinks.html#Digital Digital Latin Medieval Manuscripts—Compiled by Albrecht Diem, Syracuse University

CHANGES

MIT Cataloging Oasis  Taken down. DELETED

Cataloging Tools and Resources--Yale University To  http://web.library.yale.edu/cataloging/tools-resources

Cataloguer's Toolbox--Memorial University Newfoundland  Not Found

Cornell Tech Services Procedures and Documentation to Procedures Browser

DCRM(G)--Descriptive Cataloging of Rare Materials (Graphics)--NEW Published version  “Deleted New Published” version since it has been available for some time.

Beinecke Cataloging Manual To http://beinecke1.library.yale.edu/info/bookcataloging/home.htm

Notes for describing imperfect copies to http://beinecke1.library.yale.edu/info/bookcataloging/notes/imperfect.htm

Regions and Countries Table  NOT FOUND DELETED

Canadian Provinces and U.S. States Table  NOT FOUND DELETED

Kyle Bannerjee's Cataloging Calculator  to http://calculate.alptown.com/

Treccani dictionaries--Some resources are free, some not; includes “antico” and Italian dialect dictionaries Resolves to Treccani site; cannot find dictionaries, DELETED

Glossary of Common Latin Terms Found in Imprints of Early Printed Books by Robert L. Maxwell  to rbms.info.lpn to rbms.info/lpn  RBMS Bibliographic Standards Committee Latin Place Names

Grimms Deutsche Woerterbuch, not on Perseus 4, where is it? To http://woerterbuchnetz.de/DWB/

Michaud’s Biographie Universelle  404 Links to individual volumes of the 2nd ed. at: https://fr.wikisource.org/wiki/Biographie_universelle_ancienne_et_moderne/2e_%C3%A9d.,_1843 or you can search the individual volumes at Gallica http://gallica.bnf.fr/
Dizionario biografico degli italiani same as Treccani language dictionaries lost in one search location--DELETED

Catholic Online Saints Pages--Includes later saints Problem with Script—Deleted

Paul Halsall's Saints' Lives section from the Internet Medieval Source Book to http://legacy.fordham.edu/halsall/sbook3.asp

Search form for over 350,000 artists, dealers To https://rkd.nl/en/explore/artists

USGS Board on Geographic Names--Search for foreign place names The foreign place names has been deleted since it goes to the previous entry.

Helpful links to other sources--From Natural Resources Canada 404 Deleted

Calendoscope—Repertory of Medieval (and early modern) Liturgical Calendars to localize and date materials--Says it is designed for Internet Explorer 404 to http://calendoscope.irht.cnrs.fr/?langue=eng the older version is still available at: http://calendoscope-old.irht.cnrs.fr/

Roman Numeral Date Conversion Table For the Years A.D. 1400-2000 (years only); by Christopher Handy DELETED

Roman Numeral Year Dates: a Conversion Guide--Also by Christopher Handy Both Not Found DELETED

Bibliopolis: the History of the Printed Book in the Netherlands to http://www.bibliopolis.nl/

Il libro antico Server not Found Universita Udina DELETED

Antiquarisch Woordenboek in vier talen = Antiquarian Dictionary in four languages (Dutch, English, French, German) Not Found online DELETED

Das fruehe deutsche Buchtitelblatt database No longer there. The site leads to a statement that “Der Server der Verteilten Digitalen Inkunabelbibliothek (http://inkunabeln.ub.uni-koeln.de) wurde am 01.08.2015 außer Betrieb genommen.” There is only a generalized search in the Universitaet Koeln’s digitized Incunable database and a link to the same at the Herzog August Bibliothek Wolfenbüttel.

Material evidence in Incunabula--From CERL to http://data.cerl.org/mei/_search

Quire Calculator Not Found Christopher Handy sites are Deleted

International standard for the registration of papers with or without watermarks from the International Association Of Paper Historians> Remove Bracket at end

Six Centuries of Bookbinding from Bridwell Library to http://www.smu.edu/Bridwell/SpecialCollectionsandArchives/Exhibitions/SixCenturiesofMasterBookBinding

Publishers' Trade List Annual Index of Contributors and Advertisers 1873-1947 Add from the great Sid Hutter.
British Book Trade Index to http://bbti.bodleian.ox.ac.uk/

R.I.E.C.H, Repertoire des imprimeurs et editeurs suisses actifs avant 1800 Not found

Number Line in Modern Trade Publications to http://beinecke1.library.yale.edu/info/bookcataloging/number_line.htm

Added as subset to main page: Identification: http://graphicsatlas.org/identification/

Ceramelli Papiani to http://151.13.7.53/ceramellipapiani/

Introductions, Courses, Teaching materials Links to a number of instructional paleography sites, not current since 2009 Fix Spacing

Greek Paleography sites moved from MSS section to Paleography section and URL to http://legacy.fordham.edu/halsall/byz/paleolinks.asp

Greek ligatures to http://legacy.fordham.edu/halsall/ikon/greekligs.asp

Greek abbreviations to http://legacy.fordham.edu/halsall/ikon/greekabb.asp

Verteilte Digitale Inkunabelbibliothek Universitaets- und Stadtbibliothek Koeln and the Herzog August Bibliothek Wolfenbuettel Deleted. Go to the Koeln and Wolfenbuettel sites.

Turning the Pages Online from the National Library of Medicine to https://ceb.nlm.nih.gov/proj/ttp/books.htm

Sterling Maxwell Centre Emblem Studies to http://www.gla.ac.uk/schools/mlc/research/stirlingmaxwellcentre/glasgowemblemstudies/ Change to Stirlin

English Emblem Book Project--From Pennsylvania State University to https://www.libraries.psu.edu/psul/digital/emblem/books.html

Bibliotheque numerique Medic@Bibliotheque Interuniversitaire de Medecine to http://www.biusante.parisdescartes.fr/histoire/medica/index.php

Magazineart.org URL messed up starts with lib.nmsu.edu

English Folk Song and Dance Society Gallery of Historic Dance and Tune Books Change title to Vaughan Williams Memorial Library Historic Dance and Tune Books

The GW provides links to over 20 digitized copies of the Gutenberg Bible Expanded GW to Gesamtverzeichnis der Wiegedrucke

COPAC to http://copac.jisc.ac.uk/
Bibliopedia--Bibliotheques numeriques, catalogues en ligne, communautes virtuelles de lecteurs Not Found
Il libro antico--Catalogazione e cataloghi di libri antichi--A large and growing list Server Not Found
Universita di Udina DELETED
LIBDEXT Library Index by Countries
LIBDEXT list of Libraries and Web catalogs by State Not Connecting

English Short-Title Catalog 1473-1800 to http://estc.bl.uk

Morgan Library of Ohio Imprints, 1796-1850 Deleted duplicated in the Images category

A catalogue of books printed in the fifteenth century now in the Bodleian Library, Oxford to http://incunables.bodleian.ox.ac.uk/

Biblioteca digital Dioscorides--Includes catalog and browse list by title and images of illustrations Add: from the Complutensian University, Madrid

Short Title Catalog Netherlands 1540-1800 search form to href="https://www.kb.nl/en/organisation/research-expertise/for-libraries/short-title-catalogue-netherlands-stcn">Short Title Catalog Netherlands 1540-1800<a>--The database is moving from picarta to OCLC in summer 2016

John Johnson Collection of Printed Ephemera at the Bodleian Library to http://www.bodleian.ox.ac.uk/johnson search here to http://www.bodleian.ox.ac.uk/johnson/search/catalogue

Map & Geospatial Resources Added: From MAGiRT

Map Curator's Toolbox from the British Cartographic Society Replaced by http://www.cartography.org.uk/about/useful-links-and-resources/

A Carto-Bibliography Of The Maps In Eighteenth-Century British And American Geography Books / Barbara Backus McCorkle--or download directlyhere Add space before “here.”

Mathematical Data for Bibliographic Descriptions of Cartographic Materials and Spatial Data Not Found online—Regretfully Deleted

Famous Dutch Mapmakers Now Important Dutch Mapmakers

Ryhiner Collection in Bern to http://www.unibe.ch/universitaet/dienstleistungen/universitaetsbibliothek/recherche/ondersammlungen/kartensammlungen/index_ger.html

CartoMundi to http://www.cartomundi.fr/site/
WZMA, Wasserzeichen des Mittalters -- Medieval watermarks Add with visual index

Greek Paleography Sites Move to Paleography section.

Initia Operum Iuris Canonici Medii Aevi to http://home.uni-leipzig.de/jurarom/manuscr/murano/initican.htm

Manuscripts from Georgetown's Labyrinth -- Includes links to many images

Monasterium -- Facsimiles of original documents to http://monasterium.net/mom/home

Inventory of Italian medieval libraries -- Click on "Accedi alla Collezione" to Click on Collezioni digitali

UCLA Catalogue of Digitized Medieval Manuscripts to http://www.english.ucla.edu/manuscripts/

Danish Royal Library catalogs and databases of manuscripts -- Click on Manuscripts, Old Foreign Prints, Rare Books, etc. DELETED, no longer a separate catalog