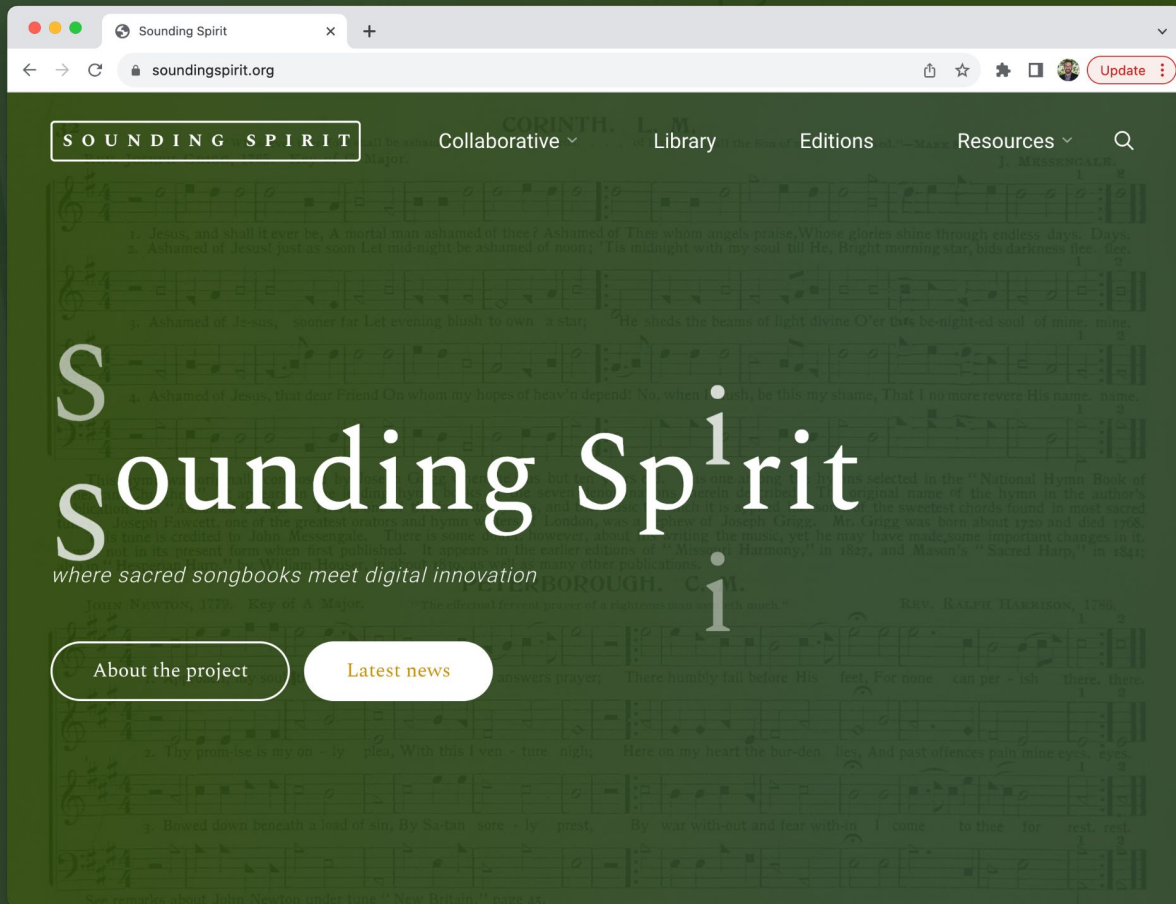


# Supporting Research, Interoperability, and User Experience with the Metadata Application Profile for the Sounding Spirit Digital Library

Jesse P. Karlsberg, Emory University  
SEMLA, October 13, 2023



# Sounding Spirit Collaborative

Promotes research, teaching, and public engagement with vernacular sacred songbooks.

- Scholarly editions
- Digital library

Sounding Spirit Digital Library x +

library.soundingspirit.org

ABOUT VOLUMES COLLECTIONS RESEARCH LAB

readux

# Sounding Spirit Digital Library

where sacred songbooks meet digital innovation

## Featured Collections

Title	Responsibility
[Collection of] hymns and tunes for public, social and domestic worship	?
[Hymns in the Cherokee Language]	Chamberlin, A. N.
20 hymns for Jewish worship, for solo and chorus, with accompaniment of the organ	Kitziger, Frederick E.
200 popular songs and hymns	Showalter, A. J.
223 Melodien deutscher Kirchengesänge : meist aus dem 16. und 17. Jahrhundert, in ihren ursprünglichen Rhythmen und Tönen	Layitz, Fr.
225 Melodien deutscher Kirchengesänge : meist aus dem 16. und 17. Jahrhundert, in ihren ursprünglichen Rhythmen und Tönen	Layitz, Fr.

Title	Responsibility	Associated Places	Publications
[Collection of] hymns and tunes for public, social and domestic worship	?	Chamberlin, A. N.	London: Methodist Pub. House
[Hymns in the Cherokee Language]	Chamberlin, A. N.	Wata, OKCT7	?
20 hymns for Jewish worship, for solo and chorus, with accompaniment of the organ	Kitziger, Frederick E.	New Orleans, LA	Albany
200 popular songs and hymns	Showalter, A. J.	Dallas, GA	A. J. Showalter
223 Melodien deutscher Kirchengesänge : meist aus dem 16. und 17. Jahrhundert, in ihren ursprünglichen Rhythmen und Tönen	Layitz, Fr.	St. Louis, MO	?
225 Melodien deutscher Kirchengesänge : meist aus dem 16. und 17. Jahrhundert, in ihren ursprünglichen Rhythmen und Tönen	Layitz, Fr.	St. Louis, MO	W. C. Barthel
150 Lieder für Schulen und Hospize in den Vereinigten Staaten insbesondere für die Engländer und Methodisten in dem Staatesuchen, sucht für die Pfanntschulen und dort anzu	Dawkins, C. F.	St. Louis, MO	Lutherischer Concordia Verlag
American hymn : Ellinger credited both her hands into three	Handy, W. C.	New York, NY	Dawkins?
African hymn : from "back to the spirit of freedom"	Handy, W. C.	New York, NY	W. C. Handy
Africa and the African legacy : addresses and proceedings of the Congress on Africa, held under the auspices of the Howard Memorial Foundation for Africa of Southern Theological Seminary, in connection with the Carter G. Woodson and International Exposition, December 14-15, 1955	Swain, J. W. E.	Atlanta, GA	Howard Mease Publishers
African Methodist Episcopal Church hymn book. This being a collection of hymns designed to reproduce all African Melody made use of in the Church	?	Brooklyn, NY	Southern Theological Seminary
African Methodist Episcopal Church hymn book. This being a collection of hymns	Swain, James Paul	?	By order of the General Conference

Checklist of Southern Sacred Music Imprints, 1850-1925

BY  
J. H. ROSE

### Denomination: Restorationist

3 volumes

The Restorationist movement materialized in the US South in response to growing strife between fractious religious groups. Often traced to the...

### Geography: Tennessee

8 volumes

By the early twentieth century, Tennessee was becoming an important center for the production and consumption of gospel music. In 1903,...

SABBATH DAY.

qui - et ut the day,  
at here we shall sing;

### Sunday School

8 volumes

Sunday or Sabbath schools were first established in the United States in the 1790s. Though initially confined to the urban Northeast, they later...

SHOW ALL FEATURED COLLECTIONS >

# Sounding Spirit Digital Library

Expanding a pilot launched in 2020

1,300 songbooks from US South and its diasporas

Published 1850–1925

Forthcoming fall 2024



# Sounding Spirit Digital Library

Includes gospel  
songbooks, spiritual  
collections, tunebooks,  
hymnals, Sunday  
school books

Archives at seven  
contributing institutions

NEH-funded

SOUTHERN BAPTIST THEOLOGICAL  
SEMINARY LIBRARY  
2865 LEXINGTON RD  
LOUISVILLE, KY 40280

NEW JUBILEE SONGS 3  
NEW JUBILEE SONGS

GOOD MORNING

1. Good morn-ing ev - er - y bod - y, O child  
2. You may call me a hyp - o - crite mem - ber, O child  
3. I'm go - ing to see my moth - er O child

morn-ing ev - er - y bod - y, Lord, I'm roll - ing in  
call me a hyp - o - crite mem - ber, Lord, A roll - ing in  
go - ing to see my moth - er, Lord, I'm roll - ing in

ju - bi - lee! My soul got happy this morn - ing, O child  
ju - bi - lee! But my soul got happy this morn - ing, O child  
ju - bi - lee! I'm going right on to my Sav - iour, O child

soul got happy this morn - ing, Lord, I'm roll - ing in Zi - on,  
soul got happy this morn - ing, Lord, I'm roll - ing in Zi - on,  
going right on to my Sav - iour, Lord, I'm roll - ing in Zi - on,

*Audrey Cannon*

## GOSPEL SONGS

— COMPILED BY —

JAS. W. ACUFF

WM. D. EVRIDGE

### PRICES

Single Copy.....	\$ .40 Postpaid
Duzen.....	4.50 Postpaid
25 Copies.....	8.00 Postpaid
50 Copies.....	15.00 Postpaid
100 Copies.....	30.00 Postpaid

This book is printed in both round and shaped notes. In ordering state whether you want round or shaped notes. Shaped notes will invariably be sent unless otherwise ordered.

THE TRIO MUSIC COMPANY  
PUBLISHERS

WACO, TEXAS

MEMPHIS, TENN.

14 E. A. HOFFMAN. FAR FROM THE FOLD. J. H. ROSECIANS.

1. Far from the fold I'm wan - der, In dark - ness and in night; With all my wea - ry  
2. Far from the fold I'm weep - ing in an - guish and in pain; My wea - ry heart is  
3. Far from the fold I'm wait - ing, O Sav - iour, come to me! Reach me thy hand of

CHORUS.

seek - ing I can not find the light. Thou gen - tle, lov - ing Shepherd, Tho  
long - ing To feel thy love a - gain. my soul to thee.

lead me by thy hand of love in to thy hap - py fold.

# Metadata in Sounding Spirit: Values and Considerations

## Metadata and Research Data Working Group

- Diana Folsom (Director of Digital Collections, Gilcrease Museum)
- Erin Fulton, co-chair (Musicology PhD Candidate, University of Kentucky)
- Andrew Hankinson (Sr. Software Developer, RISM)
- Jesse P. Karlsberg, co-chair (Sr. Digital Scholarship Strategist, Emory Univ.)
- Cory Lampert (Head of Digital Collections, UNLV)
- Em Nordling (English PhD Candidate, Emory University)
- Sara Palmer (Digital Text Specialist, Emory University)

# Metadata in Sounding Spirit: Values and Considerations

1. User-friendly **browsing** and faceted **search**
2. **Interoperability** through data-sharing partnerships
3. Useful for quantitative **research**

# Metadata Application Profile

Fields	Data Type	Requirement	Repeatable	Controlled	Entry	Skills Needed	Description	Source	Values	Notes	DCMI	DLG Field	DLG Status	RISM Field	RISM Status	ATLA Field	ATLA Status	Emory Field	Emory Status	Field Index	Omeka Index		
URL	URL	Y	N	N	Readx	n/a	Volume landing page in Sounding Spirit digital library	Based on the form of URLs in the Sounding Spirit digital library where PID corresponds with the PID for the volume.	https://library.soundingspirit.org/volume/PID/page/all	For RISM: Note about external resource (856 \$x) Link to record in Sounding Spirit Digital Library, Link type (856 \$x) Digitized source For RISM: Those Numberpage (891 \$x) entries correspond to a "Sounding Spirit Digital Library" Bibliographic reference (891 \$x) that will need to be added to the Secondary literature Authority.	Identifier (term: identifier)	URL	required	External resource URL (856 \$x)	optional	URL	required	Access URL	required if applicable	1	n/a		
PID	string	Y	N	N	Prepopulated	n/a	Permanent unique identifier for the volume.	Based on the file naming convention spelled out in the digitization standards document. Page image of the title page of the volume. Page image of the front cover or bibliographic record for the work in the institutional catalog if the title page is missing.	yyyy-#First six letters of volume's file (include capitalization, exclude #the#) character repository code(Four digit sequence number)		n/a	n/a	n/a	Bibliographic reference Number/page (891 \$x)	optional	n/a	n/a	Local Identifier	required	2	1		
Short Title	string	Y	N	N	Manual	Basic	Short title of the work.	Page image of the title page of the volume. Page image of the front cover or bibliographic record for the work in the institutional catalog if the title page is missing.	A shortened title, in title case. For a work with a subtitle, the pre-colon title. For a long title with no subtitle, an identifying subset of the title. The full title, in sentence case, with leading articles capitalized and moved to the end of the subtitle, if a subtitle is present, by ". " with spaces on either side of the separator. If the title page is missing and the front cover does not feature comparable information, enclose the full title in square brackets.		Alternative Title (term: alternative)	n/a	n/a	Additional title (730)	optional	Alternative Title	optional	n/a	n/a	3	2		
Title	string	Y	N	N	Manual	Basic	Full title of the work.	Page image of the title page of the volume. Page image of the front cover or bibliographic record for the work in the institutional catalog if the title page is missing.	The full contents of the title page, transcribed diplomatically exactly as it appears on the title page, in the former requested by RISM. In practice, this may include all information on the title page, such as the composer's name or other indications. For printed music, include everything on the title page including the imprint. Transcribe the title in its entirety. Do not abbreviate. Indicate line breaks with   (the vertical pipe) with a single space before and after. Use an exclamation point in brackets [!] or [!:] to indicate an unusual or incorrect spelling. If reading or/or diverges from line order, as with side-by-side text in columns, prioritize reading order and treat sections on the same horizontal plane as their own lines, inserting vertical pipe characters to mark these as line breaks in the same way that we mark vertical line breaks. Transcribe text in small caps as all caps. If the title page is missing but the title appears on the cover, transcribe that page and prefix the entry with "Cover:" if working with a single page document (a broadside), include information that would be found on a title page or cover (title, author, publishing information, etc.) If do not transcribe the entire contents of the page and prefix the entry with "Caption title, p. [1]," replacing [1] as needed with the page number of the source of the transcribed text. Leave the text clear if the title page is missing and the book does not include title information.		Title (term: title)	Title	required	Standardized title (245 \$a)	required	Title	required	Title	required	Title	required	4	3
Title on Source	string	Y	N	N	Manual	Basic	Full diplomatic title of the work.	Page image of the title page of the volume. Page image of the front cover.	One or more names separated by commas with first and middle names followed by last names. Names are recorded in the same manner with initials and abbreviations (parenthesized) as they are found in the source. Titles of authors or editors, such as "Rev." or "Dr.," are omitted except for individuals credited by the names of their partner, as in a married woman credited by their husbands' names and an appellation such as "Mrs.," if the responsibility was derived from the catalog record, enclose it in square brackets.		n/a	n/a	n/a	Title on source (245 \$a)	required	n/a	n/a	n/a	n/a	5	4		
Responsibility	string	N	N	N	Manual	Basic	All credited authors or editors of a work, presented in the order in which they are credited, in a human-readable format.	Page image of the title page of the volume. Cover, title page verso, table of contents, or running title if the responsibility is unclear from the title page or the title page is missing. Bibliographic record for the work in the institutional catalog if the responsibility is unclear from the title page or the title page is missing. Bibliographic record for the work in the institutional catalog if the responsibility is unclear from the title page or the title page is missing.			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	6	5			



# Metadata Application Profile

## Data and data entry

- Data Type
- Requirement
- Repeatable
- Controlled
- Entry
- Skills Needed

	A	B	C	D	E	F	G
1	Fields	Data Type	Requirement	Repeatable	Controlled	Entry	Skills Needed
11	Contributor URI	URL	N	Y	LCNAF; VIAF; RISM Online	Manual	Basic
12	Place of Publication	string	N	Y	N	Manual	Basic
13							



# Metadata Application Profile

## About the field

- Description
- Source
- Values
- Notes

	A	H	I	J	
1	Fields	Description	Source	Values	Notes
30	Publisher URI	The name of the publisher or publishers that issued the work, excluding any firms that are distributors but not publishers. If no publisher is credited but a printer is, the name of this printer.	Page image of the title page of the volume. Library of Congress Name Authority File. Virtual International Authority File. RISM Online Authority File. <a href="https://id.loc.gov/authorities/names.html">https://id.loc.gov/authorities/names.html</a> ; <a href="https://viaf.org/">https://viaf.org/</a> ; <a href="https://rism.online/?mode=institutions">https://rism.online/?mode=institutions</a>	URIs of LCNAs when these exist. URIs of VIAFs if these exist but LCNAs do not. New RISM Online Name authority URIs created in collaboration with RISM if neither LCNAs or VIAFs exist.	For names that leave this field RISM. See the field for context.
31	Language	The language or languages in which the work is written.	Representative page images of the volume. ISO 639-3: <a href="https://iso639-3.sil.org/code_tables/639/data">https://iso639-3.sil.org/code_tables/639/data</a>	Full English name of the language as specified in ISO 639-3. If English and another language appear in the same work, list the non-English language first for ease of sorting. List of languages: Cherokee, Choctaw, Creek, Czech, Delaware, Dutch, English, German, Hebrew, Latin, Portuguese, Potawatomi, Spanish	
32	Language Code	The language or languages in which the work is written.	Representative page images of the volume. ISO 639-3: <a href="https://iso639-3.sil.org/code_tables/639/data">https://iso639-3.sil.org/code_tables/639/data</a>	Three-letter code for the language as specified in ISO 639-3. If English and another language appear in the same work, list the non-English language first for ease of sorting. List of languages: chr, cho, mus, ces, del, nld, eng, ger, heb, lat, por, pot, spa	
33				For paginated works, a number indicating the overall number of pages in the work, with any sequences of separate pagination in their original Roman and Arabic format indicated by the insertion of a comma, followed by the word "pages"; for sequences of pages split into Latin and Arabic numbered sub-sequences, list each subsequence but include starting as well as ending numbers, separated by "-" (en dashes) for the sub-sequences after the first; for unnumbered sequences of pages with context in paginated	

# Metadata Application Profile

## Crosswalk

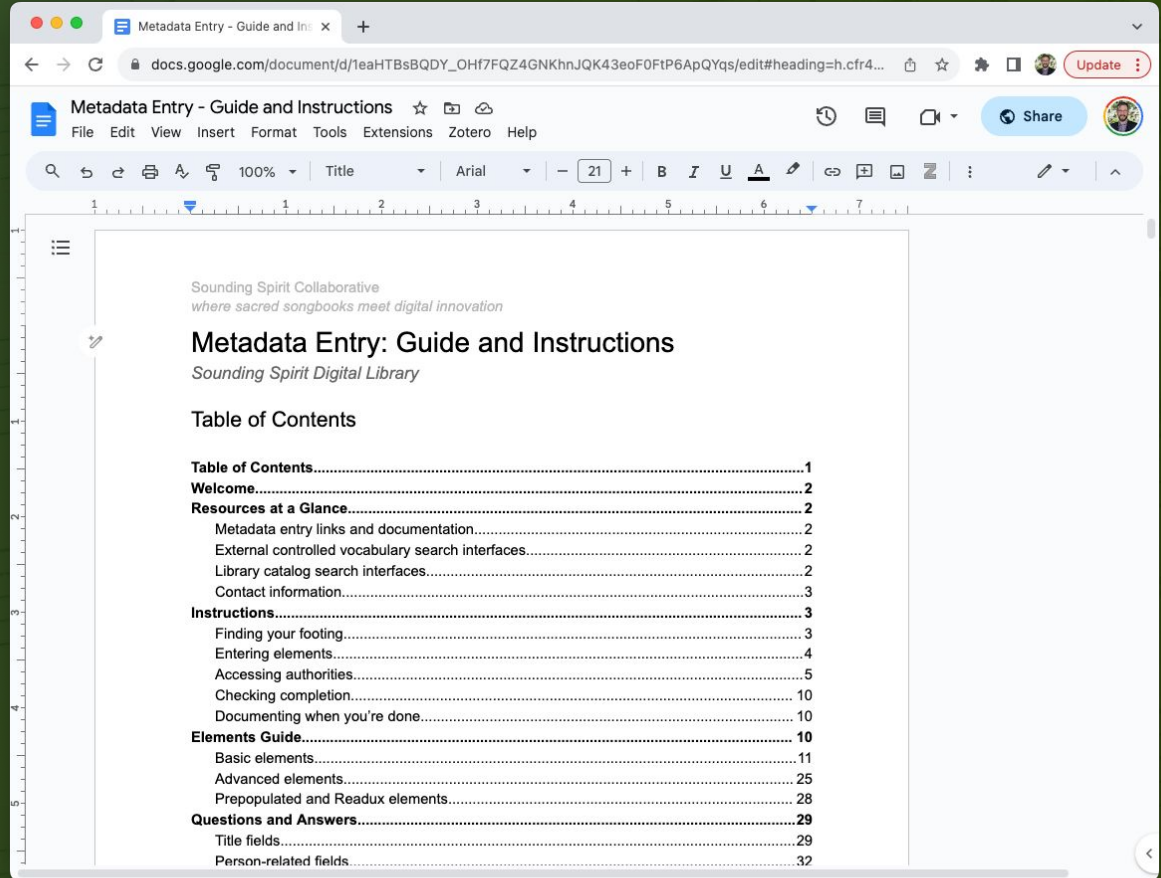
Equivalent fields and requirements for

- DCMI
- DLG/DPLA
- RISM
- ATLA
- Emory

	A	L	M	N	O	P	Q	R	S	T
1	Fields	DCMI	DLG Field	DLG Status	RISM Field	RISM Status	ATLA Field	ATLA Status	Emory Field	Emory Status
2	URL	Identifier (terms: identifier)	URL	required	External resource URL (856 \$u)	optional	URL	required	Access URL	required if applicable
3	PID	n/a	n/a	n/a	Bibliographic reference Number/page (691 \$n)	optional	n/a	n/a	Identifier - Local	required
4	Short Title	Alternative Title (terms: alternative)	n/a	n/a	Additional title (730)	optional	Alternative Title	optional	n/a	n/a
5	Title	Title (terms: title)	Title	required	Standardized title (240 \$a)	required	Title	required	Title	required

# Metadata Application Profile

## Guide and Instructions



The screenshot shows a Google Docs document titled "Metadata Entry - Guide and Instructions" from the "Sounding Spirit Collaborative". The document includes a header with the organization's name and tagline, followed by a main title and subtitle. The primary content is a detailed table of contents listing sections such as "Welcome", "Resources at a Glance", "Instructions", "Elements Guide", and "Questions and Answers" with their respective page numbers.

Sounding Spirit Collaborative  
*where sacred songbooks meet digital innovation*

## Metadata Entry: Guide and Instructions

*Sounding Spirit Digital Library*

### Table of Contents

<b>Table of Contents</b> .....	1
<b>Welcome</b> .....	2
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Metadata entry links and documentation.....	2
External controlled vocabulary search interfaces.....	2
Library catalog search interfaces.....	2
Contact information.....	3
<b>Instructions</b> .....	3
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# Browse and Search

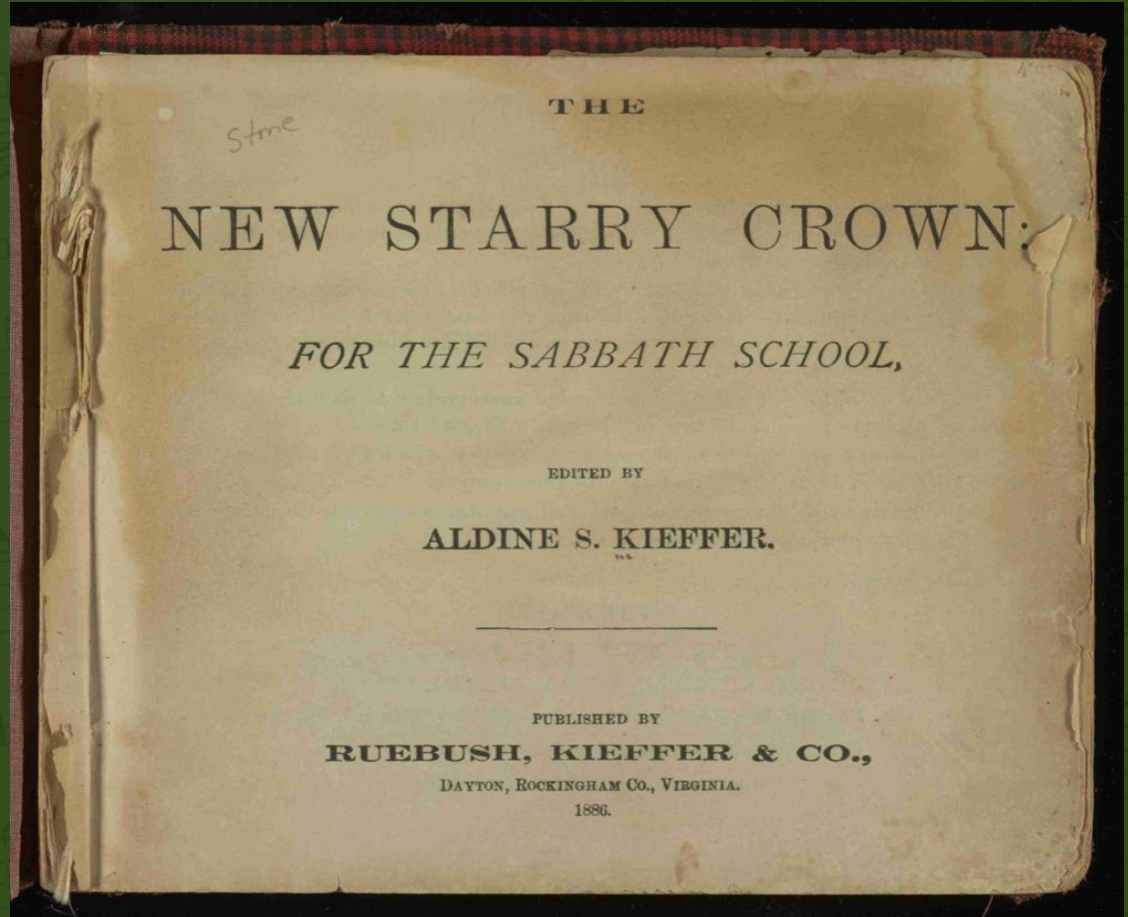
Formats for  
“human-readability”

Responsibility:  
Aldine S. Kieffer

vs.

Creator Name:  
Kieffer, Aldine S., 1840-1904

(Also: Place of Publication)



Aldine S. Kieffer, ed., *The New Starry Crown* (1886). 1886-Newsta-UKY.

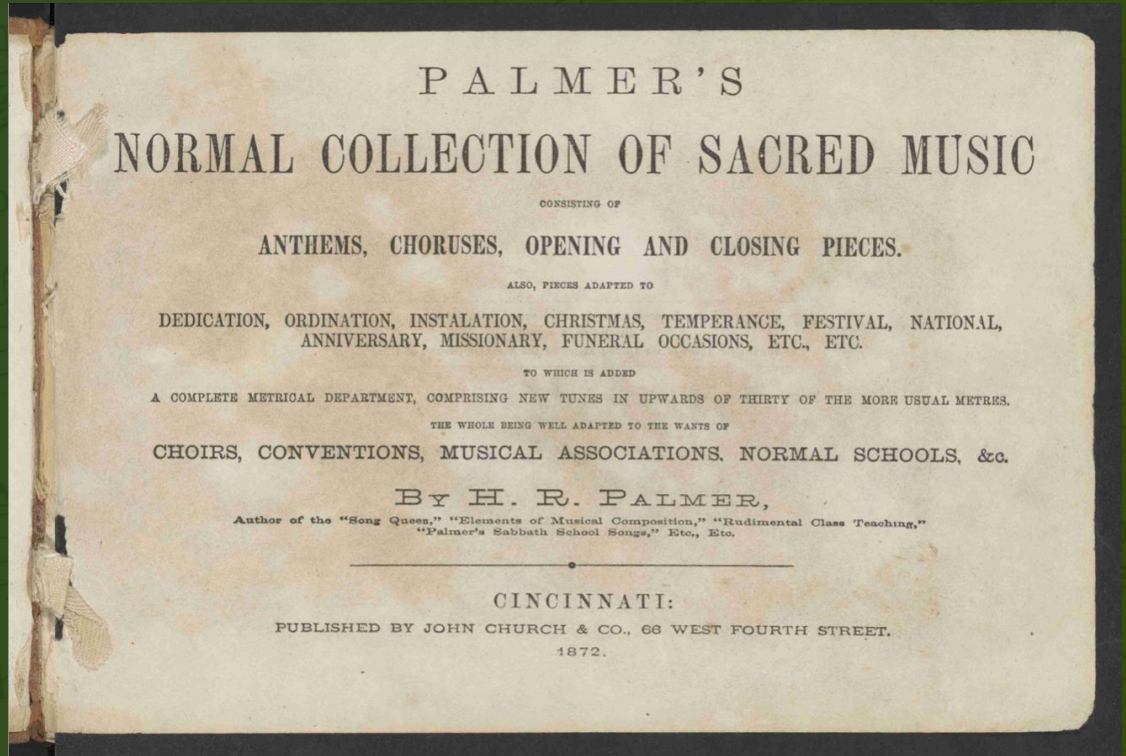


# Browse and Search

Pre-colon title for  
digestible display

Short Title:  
Palmer's Normal Collection  
of Sacred Music

VS...

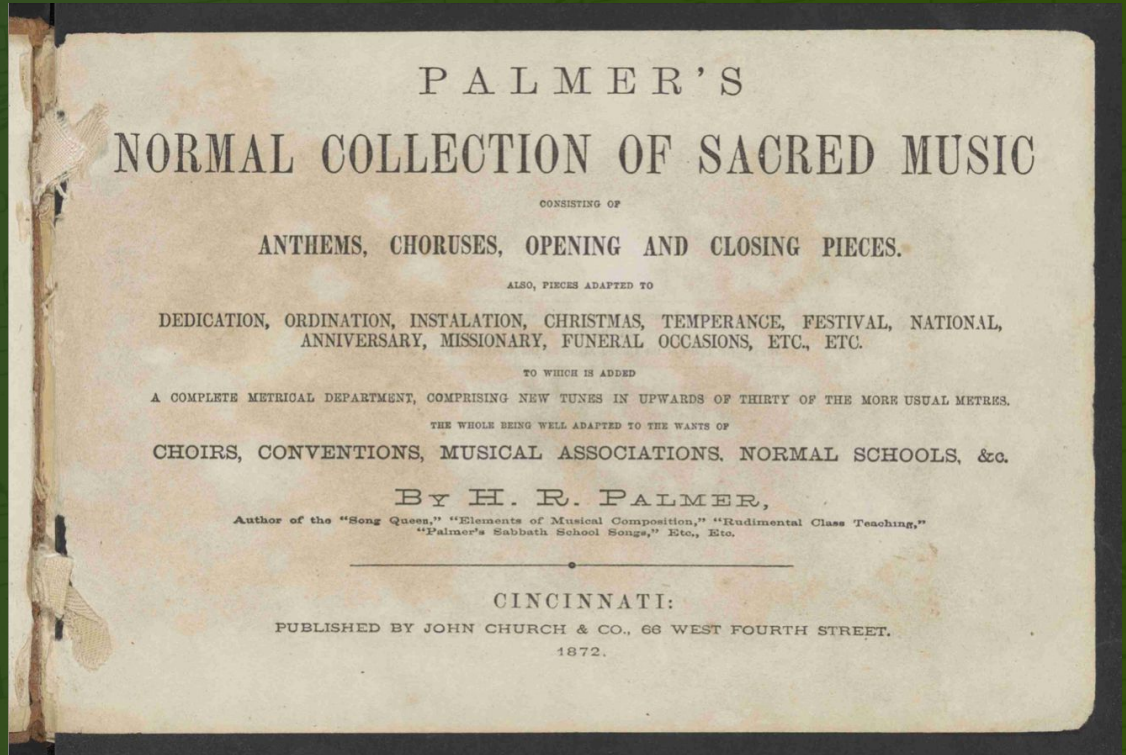


H. R. Palmer, ed., *Palmer's Normal Collection of Sacred Music* (1872). 1872-Palmer-EMU.

# Browse and Search

Title:

Palmer's normal collection of sacred music ; consisting of anthems, choruses, opening and closing pieces. Also, pieces adapted to dedication, ordination, instalation [sic], Christmas, temperance, festival, national, anniversary, missionary, funeral occasions, etc., etc. To which is added a complete metrical department, comprising new tunes in upwards of thirty of the more usual metres. The whole being well adapted to the wants of choirs, conventions, musical associations, normal schools, &c.



H. R. Palmer, ed., *Palmer's Normal Collection of Sacred Music* (1872). 1872-Palmer-EMU.

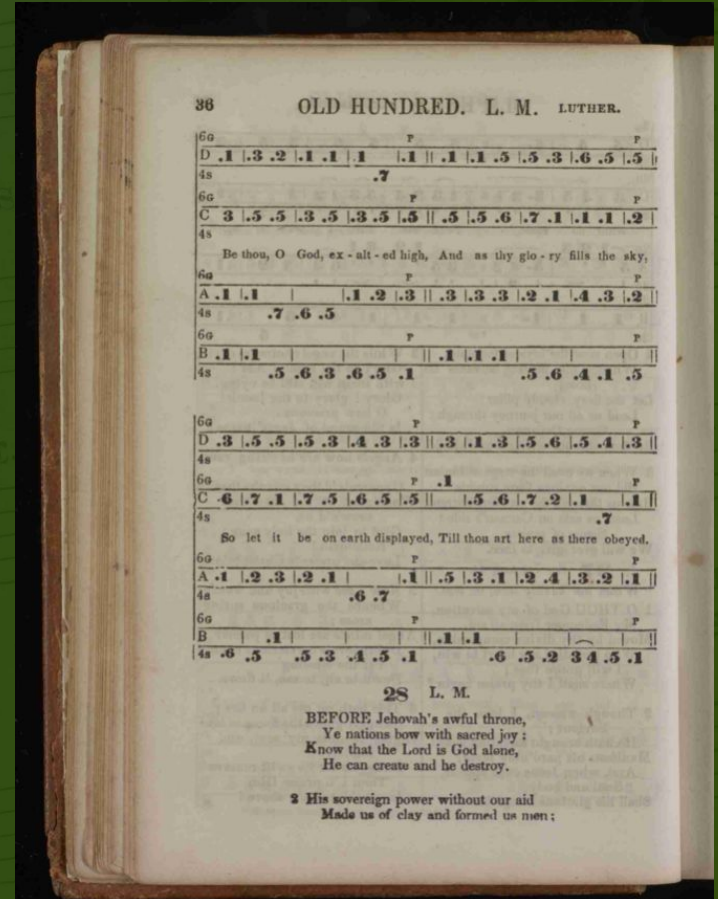
# Browse and Search

External and locally controlled vocabularies for faceting

Notation: Numeral

Possible values: Nil, Round, Seven-shape Aikin, Seven-shape Walker, Seven-shape Funk, Seven-shape Johnson, Seven-shape Swan, Seven-shape Hood, Four-shape, Numeral, Numeral staff

(Also: Characteristics, Content, Still in Use)





# Interoperability

## **External controlled vocabularies facilitate interoperable data**

Creators, Contributors, Publishers, and Institutions:

Library of Congress Name Authority File (LCNAF)

Places: Getty Thesaurus of Geographic Names (TGN)

Subjects: Faceted Application of Subject Terminology (FAST) Subject Headings

Languages: ISO 639-3

Dates: Extended Date/Time Format (EDTF)



# Interoperability

## Elements meeting requirements of data sharing partners

All: Subject, Holding Archive, Rights Statement URI

DLG: Medium, Digital Format, Type

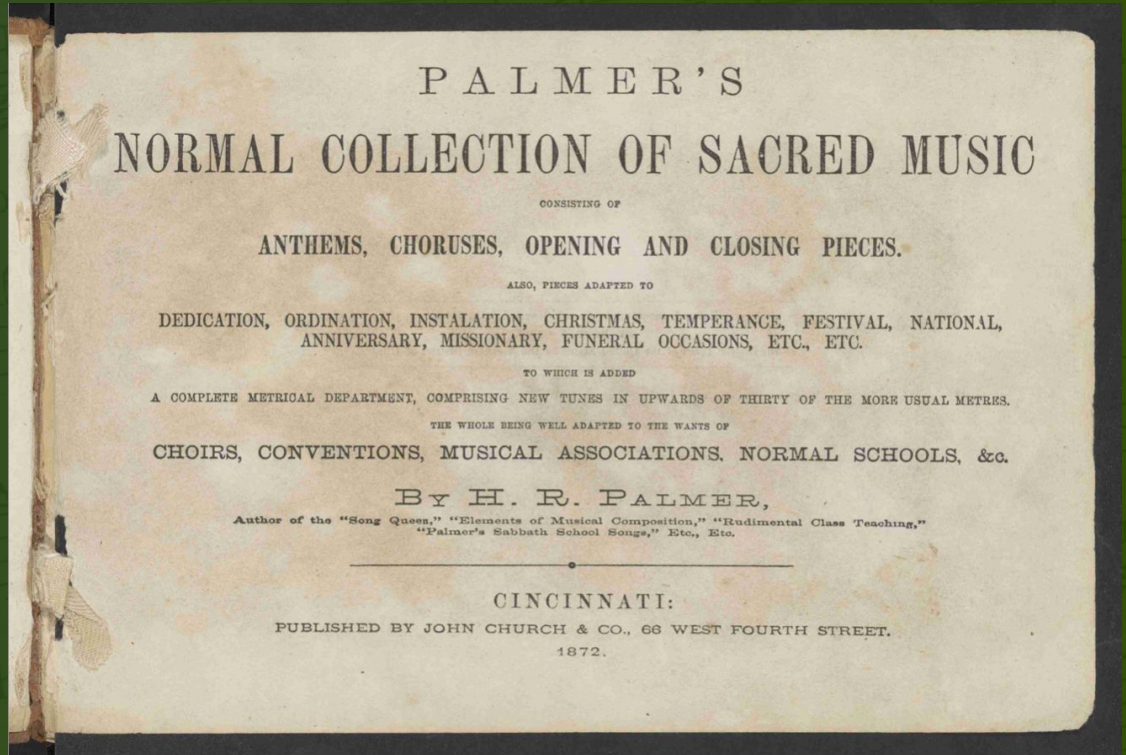
RISM: Scoring Summary, Total Scoring, Title on Source, Physical Description,  
Local Identifier



# Interoperability

Title on Source:

PALMER'S | NORMAL COLLECTION OF SACRED MUSIC | CONSISTING OF | ANTHEMS, CHORUSES, OPENING AND CLOSING PIECES. | ALSO, PIECES ADAPTED TO | DEDICATION, ORDINATION, INSTALATION [sic], CHRISTMAS, TEMPERANCE, FESTIVAL, NATIONAL, | ANNIVERSARY, MISSIONARY, FUNERAL OCCASIONS, ETC., ETC. | TO WHICH IS ADDED | A COMPLETE METRICAL DEPARTMENT, COMPRISING NEW TUNES IN UPWARDS OF THIRTY OF THE MORE USUAL METRES. | THE WHOLE BEING WELL ADAPTED TO THE WANTS OF | CHOIRS, CONVENTIONS, MUSICAL ASSOCIATIONS, NORMAL SCHOOLS, &c. | BY H. R. PALMER, | Author of the "Song Queen," "Elements of Musical Composition," "Rudimental Class Teaching," | "Palmer's Sabbath School Songs," Etc., Etc. | CINCINNATI : | PUBLISHED BY JOHN CHURCH & CO., 66 WEST FOURTH STREET. | 1872.



H. R. Palmer, ed., *Palmer's Normal Collection of Sacred Music* (1872). 1872-Palmer-EMU.



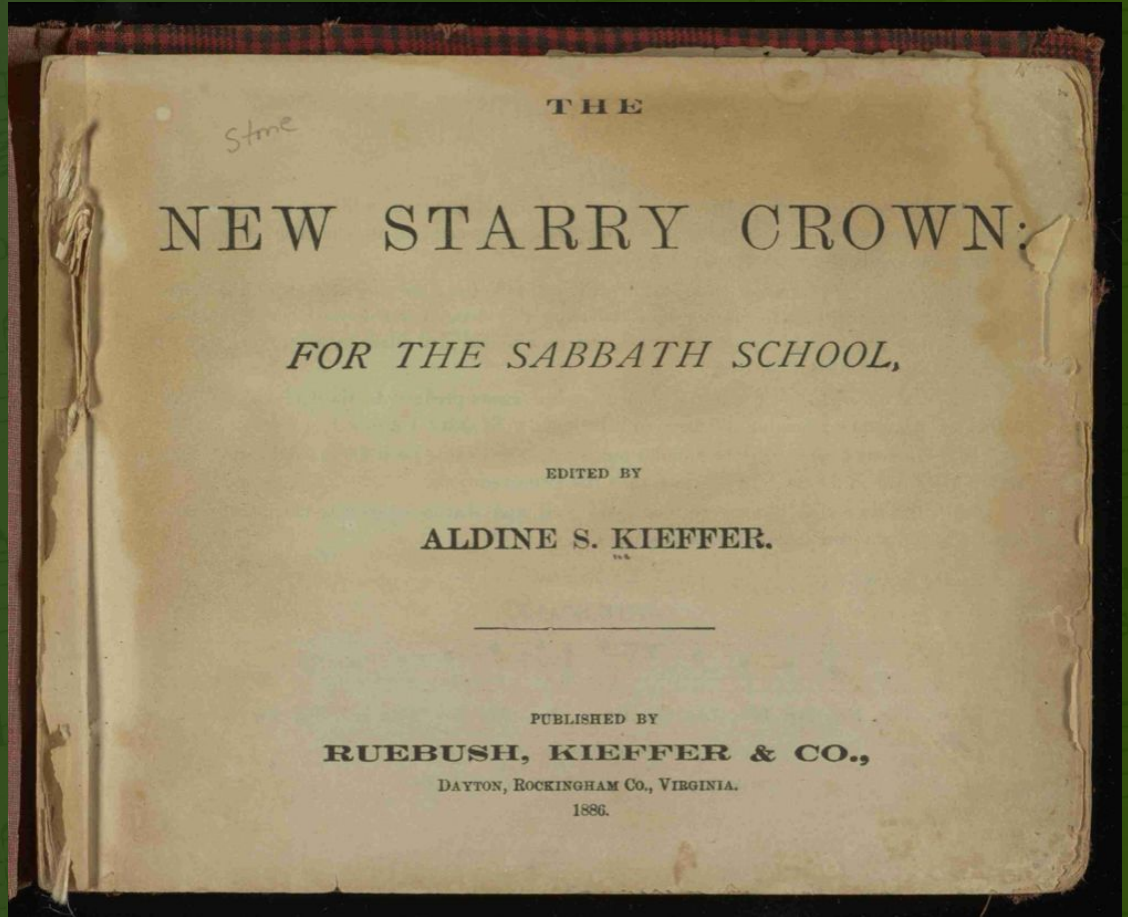
# Interoperability

## Elements meeting partner requirements

Collecting the same data in  
multiple formats

Spatial Coverage FAST:  
Virginia--Dayton

Spatial Coverage Getty:  
United States, Virginia,  
Rockingham, Dayton



Aldine S. Kieffer, ed., *The New Starry Crown* (1886). 1886-Newsta-UKY.

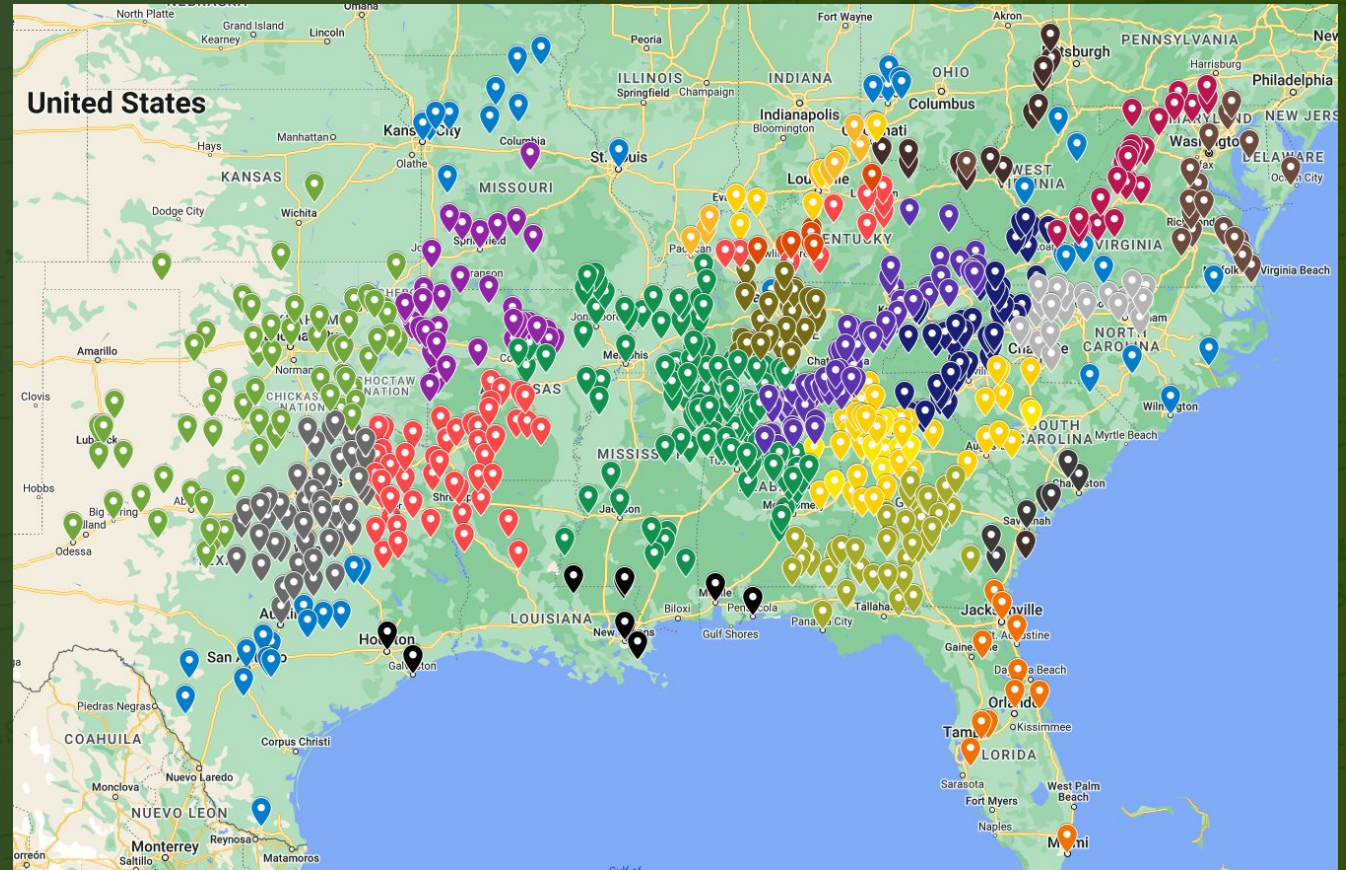


# Research

## Place of ...

- Contributor
- Affiliation
- Field Research
- Publication
- Manufacture
- Distribution
- Use

(Also: Dimensions,  
Characteristics)



# Futures

## Resources

- Metadata Application Profile: <https://bit.ly/sounding-spirit-metadata-map>
- Metadata Guide and Instructions: <https://bit.ly/sounding-spirit-metadata-guide>
- Project site: <https://soundingspirit.org>
- Contact Jesse: [jesse.p.karlsberg@emory.edu](mailto:jesse.p.karlsberg@emory.edu)

**Next steps:** publishing library and metadata, indexing songs, sharing our work

**Thanks to:** Erin Fulton, Em Nordling, Lucy Wallitsch, Chisomo Mwale, Solomon Kim, Anne Evers, Meredith Doster, and the members of the MRD WG. This project has been made possible in part by the National Endowment for the Humanities.