

# Music Documentation in Libraries, Scholarship, and Practice



June 4-6, 2012

## RISM Data as Metadata for Digital Collections

Anne Graham and Deborah Pierce (University of Washington, Seattle)

English abstract:

The University of Washington Music Library holds a collection of rare music manuscripts and early editions including a portion dating from the seventeenth through nineteenth centuries that are indexed in RISM's series A/II project. To meet the needs of off-site researchers and reduce handling of the rare and fragile originals, the University of Washington Libraries digitized this collection between 2007 and 2010 with funding from an internal Libraries grant. A central enabling component of the digitization effort was the availability of RISM's high-quality metadata provided in electronic form by the RISM Zentralredaktion. The resulting online collection is freely available to any internet user and can be found at <http://content.lib.washington.edu/mmweb>.

This presentation will describe the methods that were used to transform the raw RISM metadata into standardized, searchable online metadata to accompany the visually rich display of navigable, printable, and zoomable images along with a description of the University of Washington Music Library Digital Scores Collection website, its functionality, and features. Others who are interested in digitizing and displaying their RISM collections online may find our experience of manipulating the raw data and harnessing it to describe the digital images to be helpful. Copies of the data dictionary used to describe the collection's metadata, including field origins, usage, format, and meanings, as well as mappings to Dublin Core, will be available to attendees.

# RISM Data as Metadata for Digital Collections

By

Anne Graham and Deborah Pierce  
University of Washington, Seattle

Presented at RISM's conference, *Music Documentation in Libraries, Scholarship, and Practice* in Mainz, Germany on June 4, 2012

The University of Washington Libraries began a project in 2007 to digitize and display online the portion of our rare music materials which are indexed in RISM's series A/II project -- music manuscripts representing composers born after 1570 and before 1770. After completion of the project, links to digital images in UW's digital collections database were added to both WorldCat and RISM's OPAC, thus bringing our digitized RISM materials directly to the world of music researchers via their own computers. The collection is served using CONTENTdm software and is available at <http://content.lib.washington.edu/mmweb>.

The screenshot shows the University of Washington Libraries Digital Collections website. The header includes the university logo, navigation links (Home, Favorites, Ordering and Use, Help, Blog), and search options (Quick Search, SEARCH). The main content area is titled "Music Library Digital Scores Collection" and features a description of the collection, a link to the RISM database, and an image of a manuscript page. The image is captioned "17 Italian Arias (18th c.)". The footer contains contact information and a copyright notice.

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Quick Search SEARCH

Special Collections : A-Z List : Subject List : Advanced Search

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## Music Library Digital Scores Collection

The Music Library Digital Scores Collection contains manuscript musical scores dating from the 17th through 19th centuries. The majority of the collection is comprised of 17th and 18th century operas, opera excerpts, and other vocal music. The original manuscripts reside in the Music Library's Rare Book Collection.

Materials from the collection are also indexed in the RISM: [International Inventory of Musical Sources after 1600 database](#). Links to the images are also provided in the University of Washington's [online catalog](#).

### About the Database

This project was funded by the University of Washington Libraries 21st Century Awards in 2007-2008. The project was founded and completed by Deborah Pierce, UW Odegaard Undergraduate Library and Anne Graham, UW Libraries Digital Initiatives. The images were photographed using a Canon EOS 40D camera with a Canon EF 50mm f1.4 Lens and a copystand. Metadata for the RISM A/II portion of the collection was provided by the International RISM Office.



17 Italian Arias (18th c.)

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Browse Collection

Browse Subjects

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search

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In the process, we also became the first U.S. library to utilize RISM cataloging in a digital collection.

The manuscripts in the UW's Music Library that were indexed as part of the RISM series A/II consisted of 17th and 18th century operas, opera excerpts, and other vocal music including works by composers such as Christoph Willibald, Ritter von Gluck; Jean Baptiste Lully; Bernardo Pasquini; Alesandro Scarletti, and others.

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# Digital Collections

Special Collections : A-Z List : Subject List : Advanced Search

« Music Library Digital Scores Collection

Search this collection go

menu off add document to favorites add page to favorites reference url back to results previous next

View document description Go 49.2%

previous page next page

Operas, Selections, arr.

- Operas, Selections, arr.
  - Front Cover
  - Inside Front Cover
  - Inside Front Cover
  - Blank
  - Blank
  - Tutto il mal non vien per nuocere. 'Chi d'amor paventa il fooo' (Scarlati)
  - Tutto il mal non vien per nuocere. 'Lo dissi per glococ' (Scarlati)
  - Tutto il mal non vien per nuocere. 'Io lo so perche il Cielo mi uole' (Scarlati)
  - Tutto il mal non vien per nuocere. 'Apri Le Luci Amanti' (Scarlati)
  - Tutto il mal non vien per nuocere. 'Se potessero i miei pianti' (Scarlati)
  - Tutto il mal non vien per nuocere. 'Se gli archi oelate' (Scarlati)
  - Tutto il mal non vien per nuocere. 'Aure Leggiero fermate il uolo' (Scarlati)
  - Lisimaco. 'Sferza pure ferisci tormenta' (Pasquini)
  - Tutto il mal non vien per nuocere. 'Luci belle che siete d' Amore' (Scarlati)
  - Tutto il mal non vien per nuocere. 'Orudo amor non no Costanza' (Scarlati)
  - Tutto il mal non vien per nuocere. 'Del mio ben gelosa amante' (Scarlati)

For quite some time now, librarians who shepherd rare musical materials have been living with the quandary of how to make copies of these materials easily available to researchers, while at the same time seeking to preserve them by handling the originals as little as possible. By 2007, other libraries had begun to digitize their rare music, and we started to think about digitizing ours too. We believed that doing so would address the preservation and access quandary, and we had some experience in this area from a previous project where we digitized our public-domain sheet music from the Pacific Northwest.

For this project we chose to digitize only our RISM artifacts which includes 30 artifacts or volumes, and represents 308 pieces of music. This set of manuscripts was chosen for two reasons: its popularity with patrons, and the fact that we were able to utilize existing RISM cataloging at no cost. Rather than digitizing our microfilm for this project, we chose to use copy photography techniques, because the end-user would have a more pleasant and realistic experience when viewing large, zoomable, crisp, full-color, digital images of the manuscripts.



# Digital Collections

Special Collections : A-Z List : Subject List : Advanced Search

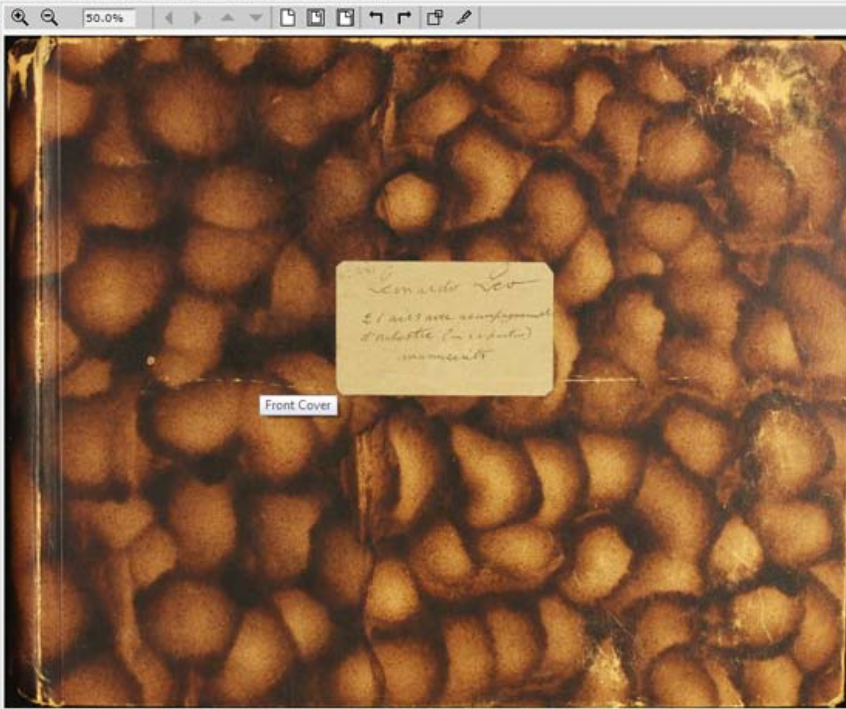
« Music Library Digital Scores Collection

Search this collection go

menu off add document to favorites add page to favorites reference url

back to results previous next

View document description Go



previous page next page

Vologeso re de' Parti.

Selections

- Vologeso re de' Parti. Selections
  - Front Cover
  - Inside Front Cover
  - Inside Front Cover
  - Blank
  - Aria (Audace superba ben presto vedrai)
  - Aria (Nacqui grande e dalla cuna)
  - Quartet (Ti rendo al caro bene)
  - Duet (Non pensar idolo mio)
  - Aria (Son qual legno in grembo all' onde)
  - Recit. (Per un aura di speranza)
  - Aria (Scorgerai che non pavento)
  - Aria (Cal sen del caro sposo)
  - Aria (No, che non voglio offendere)
  - Aria (Partiro ma tu crudelle)
  - Aria (Vieni o bella)
  - Aria (Finche lento il fiammalto)
  - Aria (Nell' oror di notte oscura)
  - Aria (Luri belle piu serena)
  - Aria (Per narrarte la lipena che senti)
  - Aria (Non sospirar mio core)
  - Aria (Vanne difendi)
  - Aria (Ramentati chi sei a chi giurasti fe)
  - Aria (Pensa ben mio)
  - Aria (Non pensar di spaventarmi)
  - Aria (Cara ti lasso addio)
  - Aria (Ombra che pallida)
  - Aria (Scende dal giogo al pino)
  - End Pages
- PDFs - RIGHT-CLICK ON IMAGE TO PRINT

# Digital Collections

Special Collections : A-Z List : Subject List : Advanced Search

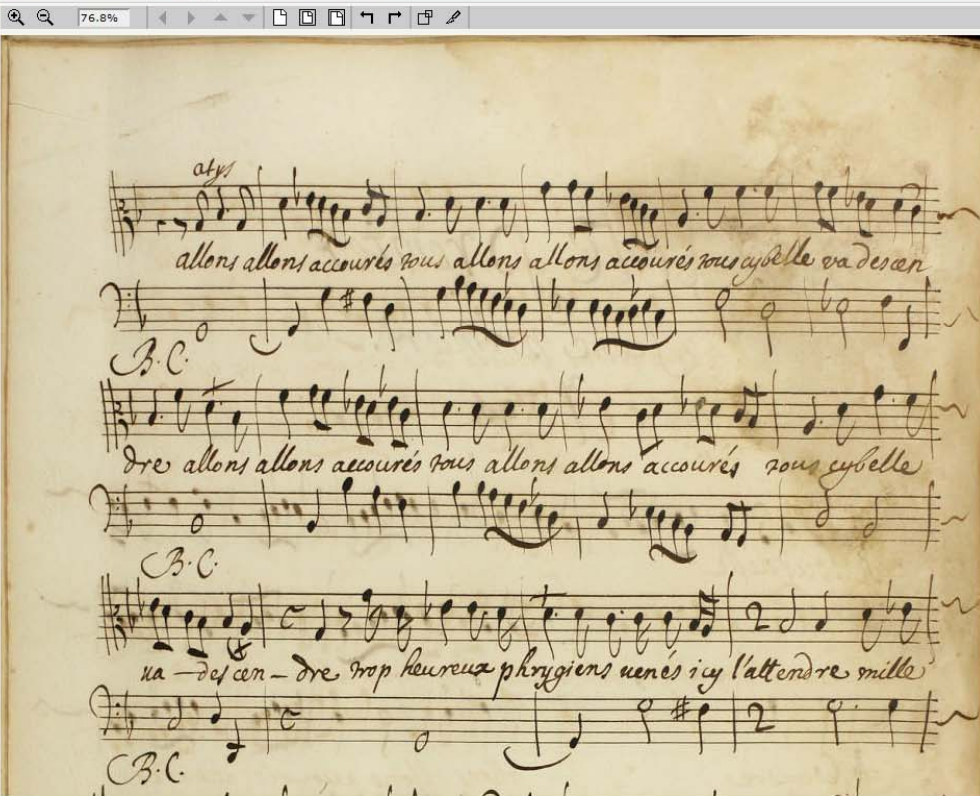
« Music Library Digital Scores Collection

Search this collection go

menu off add document to favorites add page to favorites reference url

back to results previous next

View document description Go



previous page next page

Atys

- Atys (1690)
  - Front Cover
  - Inside Front Cover
  - Inside Front Cover
  - Blank
  - Prologue
  - Act I
    - Scene I
      - Page 41
      - Page 42
    - Scene II
    - Scene III
    - Scene IV
    - Scene V
    - Scene VI
    - Scene VII
    - Scene VIII
  - Act II
  - Act III
  - Act IV
  - Act V
  - End Pages
- PDFs - RIGHT-CLICK ON IMAGE TO PRINT

The screenshot displays the University of Washington Digital Collections interface. At the top left is the University of Washington logo and name. The main header reads "Digital Collections" with navigation links for "Special Collections", "A-Z List", "Subject List", and "Advanced Search". Below this is the "Music Library Digital Scores Collection" section, featuring a search bar and navigation options like "menu off", "add document to favorites", and "add page to favorites". The central content area shows a scanned page of handwritten musical notation on aged paper. The notation includes a treble clef, a key signature of one flat, and the tempo marking "Allegro". The text "Del Sig. Aless. Scarlatti" is written at the top, and "Bellezza che s'ama" is written below the notes. The left sidebar contains a list of "Operas. Selections" with expandable folders for "Pompeo" and "Tessalonica". Under "Pompeo", several selections are listed, including "Lusingami speranza che non mi spiace no", "Ah crudele chi ti pose", "Bellezza che s'ama", and "Col suo roco mormorio". The "Page 74 verso" selection is currently selected, and the main area displays the corresponding musical score.

Since our RISM series A/II materials had already been meticulously cataloged in the RISM series A/II project, we contacted RISM to see if they might provide us with that cataloging in digital format. We were delighted when Klaus Keil and Stephan Hirsh were willing to provide us with an export from their Kallisto database in Microsoft Access format. Note: other formats are available, including XML. This data gave us not only cataloging data for the artifacts, but also full analytic data for those artifacts that included multiple pieces of music in a single collection.

Metadata creation always begins with a lot of planning. We began our metadata creation by formulating a data dictionary which included all of the fields we wished to display to the end-user, as well as elements necessary to optimize searching, discovery, harvesting, and interoperability between our local instance of the CONTENTdm database and the internet at large. CONTENTdm uses the Dublin Core metadata standard, so all fields were mapped to the appropriate Dublin Core element. This data dictionary specified two sets of metadata, one that described each artifact or volume as a whole and one that described each separate musical piece within the collected volumes. The data dictionary also detailed exactly what notation and style the contents of each field would use, as well as database-specific details, such as whether a field would be hidden, searchable, and/or required. Copies of the data dictionary are provided as an appendix.



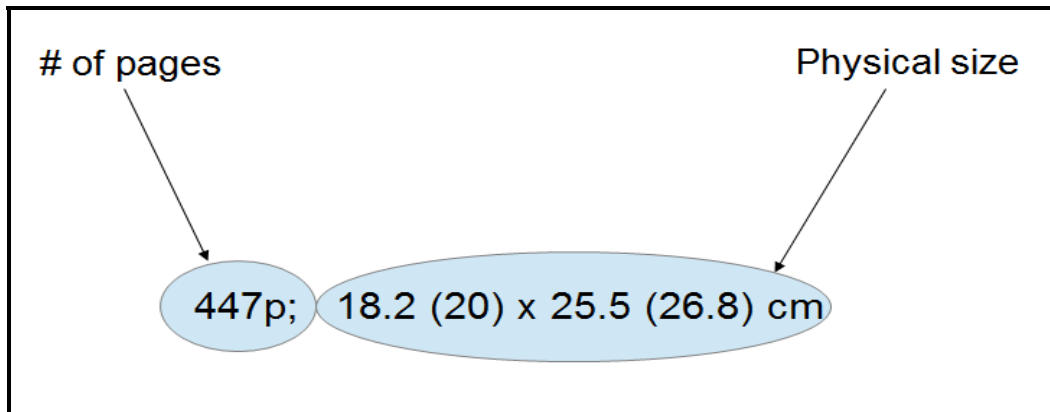
## Music Library Manuscripts Collection

Data Dictionary date: July, 2008

### Complete Volume Record:

Project element	DC mapping	Comments
Composer	Creator: Search=yes, hidden=yes	Data taken from PEPRD field " <u>rismhs</u> ". Example: <u>Campra, Andre, 1660-1744</u> . Note: remove diacritics from data files.
Composer (Unicode)	Creator: Search=yes, hidden=no	Data taken from PEPRD field " <u>rismhs</u> ". Example: <u>Campra, André, 1660-1744</u> . Note: retain diacritics.
Uniform Title	Title: Search=yes, hidden=yes	Data taken from HSPR01 field " <u>titreg</u> " Note: remove diacritics from data files.
Uniform Title (Unicode)	Title: Search=yes, hidden=no	Data taken from HSPR01 field " <u>titreg</u> " Note: retain diacritics
Title	Title: Search=yes, hidden=yes	Data from HSPR01 field " <u>diptit</u> " Note: There will be a few entries which are blank in both Uniform title and title. In this case choose from fields: h3; h41830; <u>kutit</u> ; or <u>gnsart</u> from the HSPR01 table. Note: remove diacritics from data files
Title (Unicode)	Title: Search=yes, hidden=no	Data from HSPR01 field " <u>diptit</u> " Note: There will be a few entries which are blank in both Uniform title and title. In this case choose from fields: h3; h41830; <u>kutit</u> ; or <u>gnsart</u> from the HSPR01 table. Note: Retain diacritics
Manuscript date	Date: Search=no, hidden=no	Date that displays to public Data is found in various forms and fields in various formats, some encoded, we may input by hand from the coded information in the thematic catalog (ML113

We then identified which RISM database fields contained the data that would match the requirements of the data dictionary. Kallisto is a relational database and CONTENTdm stores its data non-relationally as flat data files. Using a little reverse-engineering, we figured out which data fields from RISM's database mapped to the fields called for by our data dictionary. For example, two separate fields in RISM's relational database needed to be extracted and combined to create our physical description field.



When all of the data had been extracted and placed into Excel, we performed some amount of data normalization and alterations to fit our goals. We converted some of the abbreviations to written-out text for our patrons' ease of use.

In addition, we needed to address the presence of diacritics in the data in order to allow users to search the database and retrieve results whether or not they typed "Leyermädchen" or "Leyermadchen." To accomplish this, we created two iterations for all fields containing diacritics. One field included diacritics and another field held the data without diacritics. The field without diacritics was searchable but was hidden from view.

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## Digital Collections

« Music Library Digital Scores Collection

menu off    add document to favorites    add page to favorites    reference url

View: document description    Go

previous page    next page

**Hésione**

- Hésione
  - Front Cover
  - Inside Front Cover
  - Inside Front Cover
  - Inside Front Cover
  - Inside Front Cover
  - Page a
  - Page b
  - Page c
  - Page d
  - Page e
  - Prologue
  - Act I
  - Act II
  - Act III
  - Act IV
  - Act V
  - Supplement
  - Inside Back Cover
  - Back Cover
  - PDFs: RIGHT-CLICK ON IMAGE TO PRINT

**Composer** Campra, André, 1660-1744.

**Uniform Title** Hésione

**Title** [caption title, f.1r:] Hésione Tragedie

**Manuscript Date** 18 c

**Object Type** short score

**Physical Description** 19.2 x 24 cm: 172 folios

**Description of the Work** Tragedie lyrique in a prologue and 5 acts

**Language** French

**Notes** Partition réduite, with occasional passages in full score instrument cues throughout

**Subject** Campra, André, 1660-1744 -- Manuscripts; Operas -- Scores; Music -- Manuscripts

**LC Call Number** ML96.C36 H4

**RISM A/II Number** 000101511

**Digital Collection** Music Library Digital Scores Collection

**Contact Info** For further information contact musiclib@u.washington.edu

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**Repository** University of Washington. Music Library.

**Digital Reproduction Info** Digitized in 2008 using a Canon EOS 40D Digital Camera and copystand. Images converted from CR2 fo saved as JPG for web display. Finally, images were changed to greyscale and further adjusted for printab

**Display Title** Hésione (Campra) 18th cent.

This allowed the data to be displayed correctly but still able to successfully retrieve results whether the user typed in diacritics or not.

The next step was to import the metadata into CONTENTdm along with the high-quality optimized JPG images from the camera. CONTENTdm's import function is capable of automatically creating zoomable JPG2000 images from regular JPGs and also assembles all pages of a volume into one compound object.

The screenshot displays the University of Washington Digital Collections interface. At the top left, the logo for the University Libraries is visible. The main header reads "Digital Collections" and "Special Collections : A-Z". Below this, the page is titled "« Music Library Digital Scores Collection".

The central part of the page features a document viewer. The viewer's toolbar includes a search icon, a magnifying glass, and a zoom percentage of 54.8%. A red circle highlights the zoom controls. The document being viewed is a handwritten musical score on aged paper, with the title "Del Sig. Alessandro Scarlatti" at the top. The score consists of several staves of music with lyrics written below. The lyrics include "Lusingami speranza che non mi spiaci nò (Scarlatti)", "Ah crudele chi ti pose (Scarlatti)", "Bellezza che s'ama (Scarlatti)", "Col suo roco mormorio (Scarlatti)", "Che contento da mai la speranza (Scarlatti)", "O cessate di piagarmi (Scarlatti)", "Cieche tenebre (Scarlatti)", "Togliatemi la vita ancor (Scarlatti)", "Rusculetto almen tu puoi (Scarlatti)", "Dà quegli' occhi luminosi (Scarlatti)", "Per te se 'l chiedi (Scarlatti)", and "La speranza mi tradisce (Scarlatti)".

On the left side of the viewer, there is a navigation menu titled "Operas. Selections". It lists various selections, including "Front Cover", "Inside Front Cover", "Blank", "Tessalonica. Selections", and "Pompeo. Selections". Under "Pompeo. Selections", several items are listed, with "Page 74" highlighted in blue.



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Home :  
Special Collections : A-Z

# Digital Collections

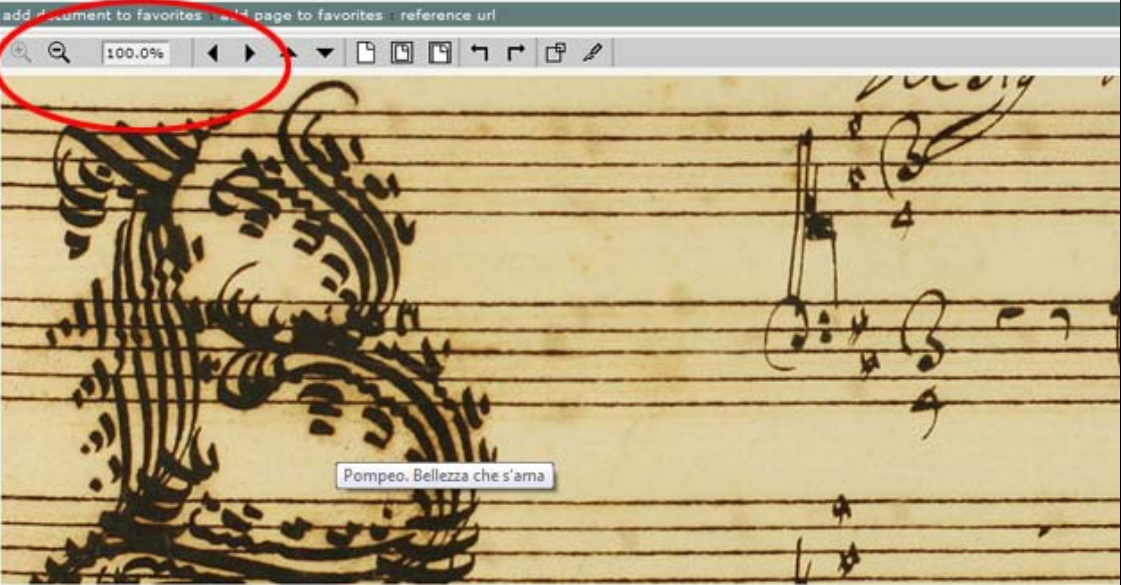
« Music Library Digital Scores Collection

menu off    add document to favorites    add page to favorites    reference url

View: document description    Go    100.0%    previous page    next page

Operas. Selections

- Front Cover
- Inside Front Cover
- Blank
- Tessalonica. Selections
- Pompeo. Selections
  - Pompeo. Lusingami speranza che non mi spiaci nò (Scarlati)
  - Pompeo. Ah crudele chi ti pose (Scarlati)
  - Pompeo. Bellezza che s'ama (Scarlati)
    - Page 74
    - Page 74 verso
    - Page 75
    - Page 75 verso
    - Page 76
    - Page 76 verso
    - Page 77
    - Page 77 verso
  - Pompeo. Col suo roco mormorio (Scarlati)
  - Pompeo. Che contento da mai la speranza (Scarlati)
  - Pompeo. O cessate di piagarmi (Scarlati)
  - Pompeo. Cieche tenebre (Scarlati)
  - Pompeo. Togliatemi la vita ancor (Scarlati)
  - Pompeo. Ruscelletto almen tu puoi (Scarlati)
  - Pompeo. Dà quegli occhi luminosi (Scarlati)
  - Pompeo. Per te se 'l chiedi (Scarlati)
  - Pompeo. La speranza mi tradisce (Scarlati)



Pompeo. Bellezza che s'ama

We added Library of Congress Subject headings for each of the artifacts and each analytical entry. And last, we added metadata which is routinely included in all of our digital objects, such as the name of the digital collection, contact information, and other administrativia.

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# Digital Collections

« Music Library Digital Scores Collection

menu off    add document to favorites    add page to favorites    reference url

View:  Go

previous page    next page

## Hésione

- ⊕ Hésione
- ⊕ Prologue
- ⊕ Act I
- ⊕ Act II
  - ⊖ Scene I
    - ▣ Page 61
    - ▣ Page 61 verso
    - ▣ Page 62
    - ▣ Page 62 verso
    - ▣ Page 63
    - ▣ Page 63 verso
    - ▣ Page 64
    - ▣ Page 64 verso
    - ▣ Page 65
    - ▣ Page 65 verso
  - ⊕ Scene II
  - ⊕ Scene III
  - ⊕ Scene IV
  - ⊕ Scene V
  - ⊕ Scene VI
- ⊕ Act III
- ⊕ Act IV
- ⊕ Act V
- ⊕ Supplement
- ⊕ Inside Back Cover
- ⊕ Back Cover
- ⊕ PDFs: RIGHT-CLICK ON IMAGE TO PRINT

<b>Composer</b>	Campra, André, 1660-1744.
<b>Uniform Title</b>	Hésione
<b>Title</b>	[caption title, f.1r:] Hésione Tragedie
<b>Manuscript Date</b>	18 c
<b>Object Type</b>	short score
<b>Physical Description</b>	19,2 x 24 cm; 172 folios
<b>Description of the Work</b>	Tragédie lyrique in a prologue and 5 acts
<b>Language</b>	French
<b>Notes</b>	Partition réduite, with occasional passages in full score instrument cues throughout
<b>Subject</b>	Campra, André, 1660-1744 -- Manuscripts:Operas -- Scores:Music -- Manuscripts
<b>LC Call Number</b>	ML36.C36 H4
<b>RISM A/II Number</b>	000101511
<b>Digital Collection</b>	Music Library Digital Scores Collection
<b>Contact Info</b>	For further information contact musiclib@u.washington.edu
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<b>Repository</b>	University of Washington. Music Library.
<b>Digital Reproduction Info</b>	Digitized in 2008 using a Canon EOS 40D Digital Camera and copystand. Images converted from CR2 fo saved as JPG for web display. Finally, images were changed to greyscale and further adjusted for printab
<b>Display Title</b>	Hésione (Campra) 18th cent.

The metadata from the RISM database gives detailed information which allows researchers to find a particular piece of music by searching the metadata. We needed to provide additional metadata elements for two reasons. First, so that the visual objects themselves could be easily navigated, which would in turn enhance search and discovery.

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# Digital Collections

« Music Library Digital Scores Collection


menu of... add document to favorites · add page to favorites · reference url

View: document description GO 50.0%

previous page · next page

## Hésione

- [-] Hésione
- [-] Prologue
- [-] Act I
- [-] Act II
  - [-] Scene I
  - [-] Scene II
  - [-] Scene III
    - [-] Page 67
    - [-] Page 67 verso
    - [-] Page 68
    - [-] Page 68 verso
    - [-] Page 69
    - [-] Page 69 verso
    - [-] Page 70
    - [-] Page 70 verso
    - [-] Page 71
  - [-] Scene IV
  - [-] Scene V
  - [-] Scene VI
- [-] Act III
- [-] Act IV
- [-] Act V
- [-] Supplement
- [-] Inside Back Cover
- [-] Back Cover
- [-] PDFs: RIGHT-CLICK ON IMAGE TO PRINT



Second, in addition to the color JPG images, we provided black and white pdfs for printing, and needed to divide each volume into sections that allowed for reasonable download times of the pdfs and to help with on-screen navigation.



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Digital Collections

Special Collect

« Music Library Digital Scores Collection

menu off    add document to favorites    add page to favorites    reference url

View: document description | Go

previous page    next page

Hésione

- [-] Hésione
- [-] Prologue
- [-] Act I
- [-] Act II
- [-] Act III
- [-] Act IV
- [-] Act V
- [-] Supplement
- [-] Inside Back Cover
- [-] Back Cover
- [-] PDFs: RIGHT-CLICK ON IMAGE TO PRINT
  - [-] Front Matter
  - [-] Prologue
  - [-] Prologue\_Scene 1 (Part 1)
  - [-] Prologue\_Scene 1 (Part 2)
  - [-] Prologue\_Scene 2
  - [-] Act 1\_Scene 1
  - [-] Act 1\_Scene 2-3
  - [-] Act 1\_Scene 4 (Part 1)
  - [-] Act 1\_Scene 4 (Part 2)
  - [-] Act 2\_Scene 1-2
  - [-] Act 2\_Scene 3
  - [-] Act 2\_Scene 4
  - [-] Act 2\_Scene 5-6
  - [-] Act 3\_Scene 1
  - [-] Act 3\_Scene 2-3
  - [-] Act 3\_Scene 4
  - [-] Act 3\_Scene 5
  - [-] Act 4\_Scene 1
  - [-] Act 4\_Scene 2
  - [-] Act 4\_Scene 3
  - [-] Act 4\_Scene 4 (Part 1)
  - [-] Act 4\_Scene 4 (Part 2)
  - [-] Act 5\_Scene 1-2
  - [-] Act 5\_Scene 3-4
  - [-] Act 5\_Scene 5
  - [-] Supplement

So that these divisions were intelligible to music researchers, we used Deborah Pierce's expertise as someone with much deeper music knowledge than I have. Deborah, the co-PI for this project, trained as a musicologist and has worked as a music reference librarian and cataloged music materials for over twenty-five years. Deborah created what we called "data maps" to guide Digital Initiatives staff so they would know where to create breaks and how to label portions of each volume.

Operas were divided into acts and scenes whenever possible and other document hierarchies were followed. Volumes containing collected works were divided by each piece to correspond to the RISM metadata. If a section was very long, we sub-divided it into 25 page chunks to control PDF printing.

Metadata for the volume/artifact is displayed in CONTENTdm's "document description" area.

## « Music Library Digital Scores Collection


menu off    add document to favorites    add page to favorites    reference url

View: **document description**    Go    38.9%

previous page    next page

Operas, Selections, arr.

- Operas, Selections, arr.
  - Front Cover
  - Inside Front Cover
  - Inside Front Cover
  - Blank
  - Blank
  - Blank
  - Tutto il mal non vien per nuocere. 'Chi d'amor pauenta il focco' (Scarlatti)
  - Tutto il mal non vien per nuocere. 'Lo dissi per gioco' (Scarlatti)
  - Tutto il mal non vien per nuocere. 'Io lo so perche il Cielo mi uole' (Scarlatti)
  - Tutto il mal non vien per nuocere. 'Apri Le Luci Amanti' (Scarlatti)
  - Tutto il mal non vien per nuocere. 'Se potessero i miei planti' (Scarlatti)
  - Tutto il mal non vien per nuocere. 'Se gli archi celate' (Scarlatti)



**Document Description**

<b>Composer</b>	Pasquini, Bernardo, 1637-1710, and Scarlatti, Alessandro, 1660-1725.
<b>Uniform Title</b>	Operas, Selections, arr.
<b>Title</b>	[without title]
<b>Manuscript Date</b>	1680s
<b>Object Type</b>	short score
<b>Physical Description</b>	folios 1-79, 90-186; 10.5 x 26.5 cm
<b>Language</b>	Italian
<b>Notes</b>	On verso of front flyleaf: "E. Weyhe, New York / 30. Nov. 1919"
<b>Subject</b>	Scarlatti, Alessandro, 1660-1725 -- Manuscripts; Pasquini, Bernardo, 1637-1710 -- Manuscripts; Operas -- Scores; Music -- Manuscripts
<b>LC Call Number</b>	ML96.S33 T8
<b>RISM A/II Number</b>	000102586
<b>Digital Collection</b>	Music Library Digital Scores Collection
<b>Image Number</b>	ML96.S33 T8 - 000
<b>Filename</b>	000.jpg
<b>Contact Info</b>	For further information contact <a href="mailto:musiclib@u.washington.edu">musiclib@u.washington.edu</a>
<b>Digital Copyright</b>	This material is owned by the University of Washington Libraries and is being provided solely for the purpose of teaching or requires permission of the University of Washington Libraries.
<b>Repository</b>	University of Washington. Music Library.
<b>Digital Reproduction Info</b>	Digitized in 2008 using a Canon EOS 40D Digital Camera and copystand. Images converted from CR2 format to TIF. Images were changed to greyscale and further adjusted for printable PDF creation.
<b>Display Title</b>	Operas, Selections, arr. (Pasquini & Scarlatti) 1680s

Detailed metadata for each individual piece in a volume appears with the image of the first page of each piece as a “page description.”

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# Digital Collections

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View: **page description**

previous page next page

Operas, Selections, arr.

- Operas, Selections, arr.
  - Front Cover
  - Inside Front Cover
  - Inside Front Cover
  - Blank
  - Blank
  - Blank
  - Tutto il mal non vien per nuocere. 'Chi d'amor pauenta il foco' (Scarlatti)
    - Page 1**
    - Page 1 verso
    - Page 2
    - Page 2 verso
    - Page 3
    - Page 3 verso
    - Page 4
    - Page 4 verso
    - Page 5
    - Page 5 verso
    - Page 6
    - Page 6 verso
  - Tutto il mal non vien per nuocere. 'Lo dissi per giooco' (Scarlatti)
  - Tutto il mal non vien per nuocere. 'Io lo so perche il Cielo mi uole' (Scarlatti)
  - Tutto il mal non vien per

<b>Composer</b>	Scarlatti, Alessandro, 1660-1725.
<b>Uniform Title</b>	Tutto il mal non vien per nuocere. 'Chi d'amor pauenta il foco'
<b>Title</b>	[at head of f.1r:] del Sig r Aless.o Scarlatti
<b>Manuscript Date</b>	1680s
<b>Object Type</b>	short score
<b>Physical Description</b>	folios 1 recto-6 verso; 10.5 x 26.5 cm
<b>Language</b>	Italian
<b>Notes</b>	1687 performance with title "Dal male il bene"
<b>Subject</b>	Scarlatti, Alessandro, 1660-1725 -- Manuscripts; Operas -- Scores; Music -- Manuscripts
<b>LC Call Number</b>	ML96.S33 T8
<b>RISM A/II Number</b>	000102587
<b>First Line</b>	Chi d'amor spauenta il foco
<b>Image Number</b>	ML96.S33 T8 - 001
<b>Filename</b>	001.jpg

All metadata is searchable; if a search result is found in the page description rather than the document description, then the page within the volume is highlighted.




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- Page 82
- Je sers également et l'Amour et la truelle
  - [Page 83]\***
  - Page 84
- Méchant buveur de Bacchus
  - Page 84
  - Page 85
  - Page 86
  - Page 87
  - Page 88
- L'Amour et Bacchus dans mon coeur
  - [Page 88]\***
  - Page 89
  - Page 90
  - Page 91
  - Page 92
- O charmante bouteille
  - Page 93
  - Page 94
- Qu'onions l'amour
  - [Page 95]\***
  - Page 96
  - Page 97
  - Page 98
- Ma raison quand je bois s'égare
  - Page 98
  - Page 99
  - Page 100



When the CONTENTdm collection was completed, we added live links to the individual artifacts in the bibliographic records both in our local catalog and in WorldCat records.

The screenshot shows a WorldCat record for the manuscript collection "Manuscrit aire a boire : a fine collection of vocal pieces, mid 18th century". The record includes the author "Louis Claude Daquin; et al", the publisher "[17--]", and the edition/format "Musical score : Songs : Manuscript Archival Material : French". The rating is "not yet rated" with "0 with reviews - Be the first". The record is part of the "University of Washington Libraries network". Under the "Find a copy online" section, a link to "content.lib.washington.edu" is circled in red, with the text "Connect to this title online" below it. The page also features a search bar, navigation links, and various utility icons.

RISM added links to our images from their OPAC and wrote a short article about the collaboration on their website.

To summarize, the project was a resounding success. The manuscripts are now freely available online to anyone in the world who wishes to view, print, or perform them. The originals do not need to be handled by patrons which promotes preservation of these unique and valuable materials. RISM's generous sharing of their cataloging for these volumes ensured that the metadata for the online objects is excellent, which enhances discoverability by end-users. In addition, the digital collection is harvestable via OAI-PMH, which could further enhance its discoverability.

Web statistics for the first ten months the collection was live show that the Music Library Digital Scores Collection received over 9,000 page visits. Currently, we are digitizing and adding non-RISM manuscripts and musical scores to the collection. We are very pleased with the results of the project and encourage other libraries to digitize their own collections – especially the RISM-cataloged collections -- and make them available to music researchers around the globe.

# Data Dictionary for Music Library Digital Scores Collection

University of Washington

July 2008

## Complete Volume Record:

Project element	DC mapping	Comments
Composer	Creator: Search=yes, hidden=yes	Data taken from PEPRD field "rismhs" . Example: <a href="#">Campra, Andre, 1660-1744</a> . Note: remove diacritics from data files.
Composer (Unicode)	Creator: Search=yes, hidden=no	Data taken from PEPRD field "rismhs". Example: <a href="#">Campra, André, 1660-1744</a> . Note: retain diacritics.
Uniform Title	Title: Search=yes, hidden=yes	Data taken from HSPR01 field "titreg" Note: remove diacritics from data files.
Uniform Title (Unicode)	Title: Search=yes, hidden=no	Data taken from HSPR01 field "titreg" Note: retain diacritics
Title	Title: Search=yes, hidden=yes	Data from HSPR01 field "diptit"  Note: There will be a few entries which are blank in both Uniform title and title. In this case use h3 from the HSPR01 table. Note: remove diacritics from data files
Title (Unicode)	Title: Search=yes, hidden=no	Data from HSPR01 field "diptit"  Note: There will be a few entries which are blank in both Uniform title and title. In this case use h3 from the HSPR01 table. Note: Retain diacritics
Manuscript date	Date: Search=no, hidden=no	Date that displays to public  Input date by hand from the coded information in the thematic catalog (ML113 I6 ser.AS/II pt. US Su).
Dates	Date: search=yes	Date field for searching, including enumerated date ranges



	hidden=yes	
Earliest Date	None: search=no hidden=yes	Earliest date in range or single date
Latest Date	None: search=no hidden=yes	Latest date in range or single date
Object Type	Type: search=yes, hidden=no	Data from HSPR01 field "ah400".  Example: 1 short score
Physical Description	Format: search=no, hidden=no	Data from HSPR01 from fields "h02050" (pagination: e.g., 117f.) and HSS001 from field "format" (size: e.g., 22 x 29 cm)  Example: 117 folios ; 22 x 29 cm.
Description of the work	Type:  search=yes  hidden=no	Data from HSPR01 field "h41820"  Example: Opera in 2 acts
Language	Language: search=yes, hidden=no	Language of written text, e.g., opera in French=French. Data from HSS001 field "h0203m" Note: This field is coded and needs to be fleshed out in transfer of data
Notes	Description: Search=yes, hidden=yes	Data from HSS001 field "bemueb"  Note: Remove diacritics from data files
Notes (Unicode)	Description: Search=yes, hidden=no	Data from HSS001 field "bemueb" Note: Retain diacritics
Subject	Subject: Search=yes, hidden=no	LCSH. Take from the headings on the bibliographic records in the University of Washington Libraries' catalog.
LC call number	Identifier: Search=yes, hidden=no	University of Washington Libraries call number.  Data from HSPR01 field "hsexsg"
RISM A/II number	Identifier: Search=yes, hidden=no	Data from HSPR01 field "rismnr"

First line	Title: Search=yes, hidden=yes	Data found in HSS001_i field "txtin1" Note: Remove diacritics from data files
First line (Unicode)	Title: Search=yes, hidden=no	Data found in HSS001_i field "txtin1" Note: Retain diacritics
Digital Collection	Relation-Is Part of: search=no, hidden=no	Music Library Digital Scores Collection
Image number	None:  Search=yes  Hidden=no	Number that users can reference which indicates the physical item
Contact info	Description: search=no, hidden=no, required	For further information contact <a href="mailto:musiclib@u.washington.edu">musiclib@u.washington.edu</a>
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Repository	Source:  Search=no  Hidden=no	The institution where the item is physically located. University of Washington. Music Library.
Digital reproduction information	Format: search=no, hidden=no	Describes the digital conversion process, date scanned, etc.
Display Title	None:  Search=no,  Hidden=no	Used as field which is visible in Browse mode, contains Title, Composer, Manuscript date. Example: Alceste (Lully) 1674