Manuscripts in the Digital Age: XML-Based Catalogues and Editions

European Summer University 2021

Katarzyna Anna Kapitan
@KatarzynaAnn
&
N. Kıvılcım Yavuz
@nkivilcimyavuz

Lawrence, KS, University of Kansas, Kenneth Spencer Research Library, MS 9/2:29, fol. 1r.

Components of Physical Description

- Extent
  - Pastedowns, flyleaves and text block
- Support
- Dimensions
  - Leaf
  - Written area
  - Binding
- Format
- Collation
- Foliation
- Signatures
- Catchwords
- Watermarks
- Layout
  - Number of columns, lines
  - Ruling, pricking
- Hands
- Script
- Decoration
- Musical notation
- Marginalia and other annotations
- Binding
- Accompanying material
- Condition

The Manuscript Book

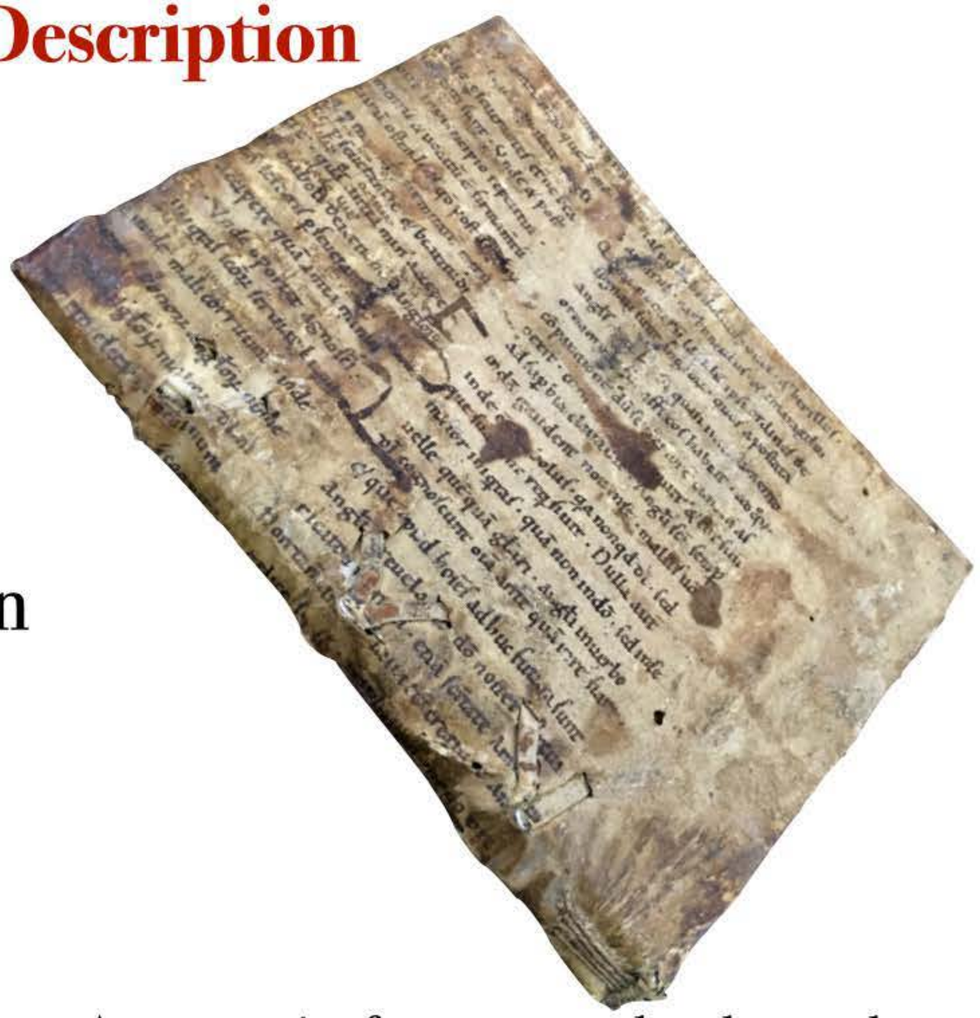
- production
- dissemination
- reception

}

- How was the manuscript put together?
- Where was the manuscript made/used?
- Who used/owned the manuscript?

Challenges of Physical Description

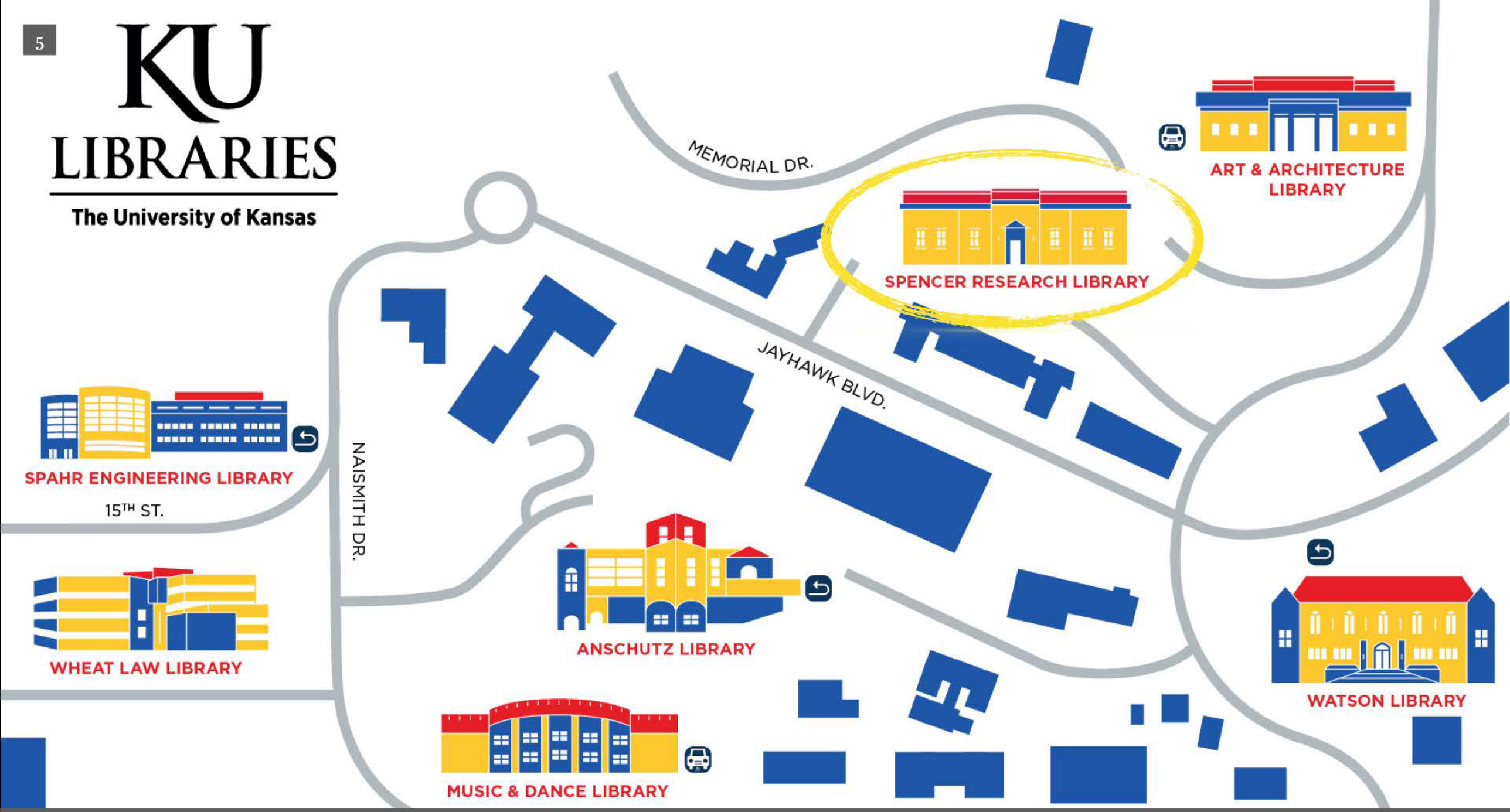
- Lack of access to the manuscripts and/or lack of resources.
- Having to visit repositories in person to examine manuscripts.
- Lack of expertise and knowledge on certain aspects of the material book, such as bindings.
- Lack of detailed, well structured descriptions when it comes to the physical aspects of manuscripts.



A manuscript fragment used as the parchment cover of another manuscript. Lawrence, KS, University of Kansas, Kenneth Spencer Research Library, MS C189.

KU LIBRARIES

The University of Kansas



1865: The University of Kansas founded.

1881: First rare books acquired by the University of Kansas.

1953: Department of Special Collections established by Robert Vosper; Joseph Rubinstein appointed as the Curator.

1968: Kenneth Spencer Research Library opened under the leadership of Alexandra "Sandy" Mason.

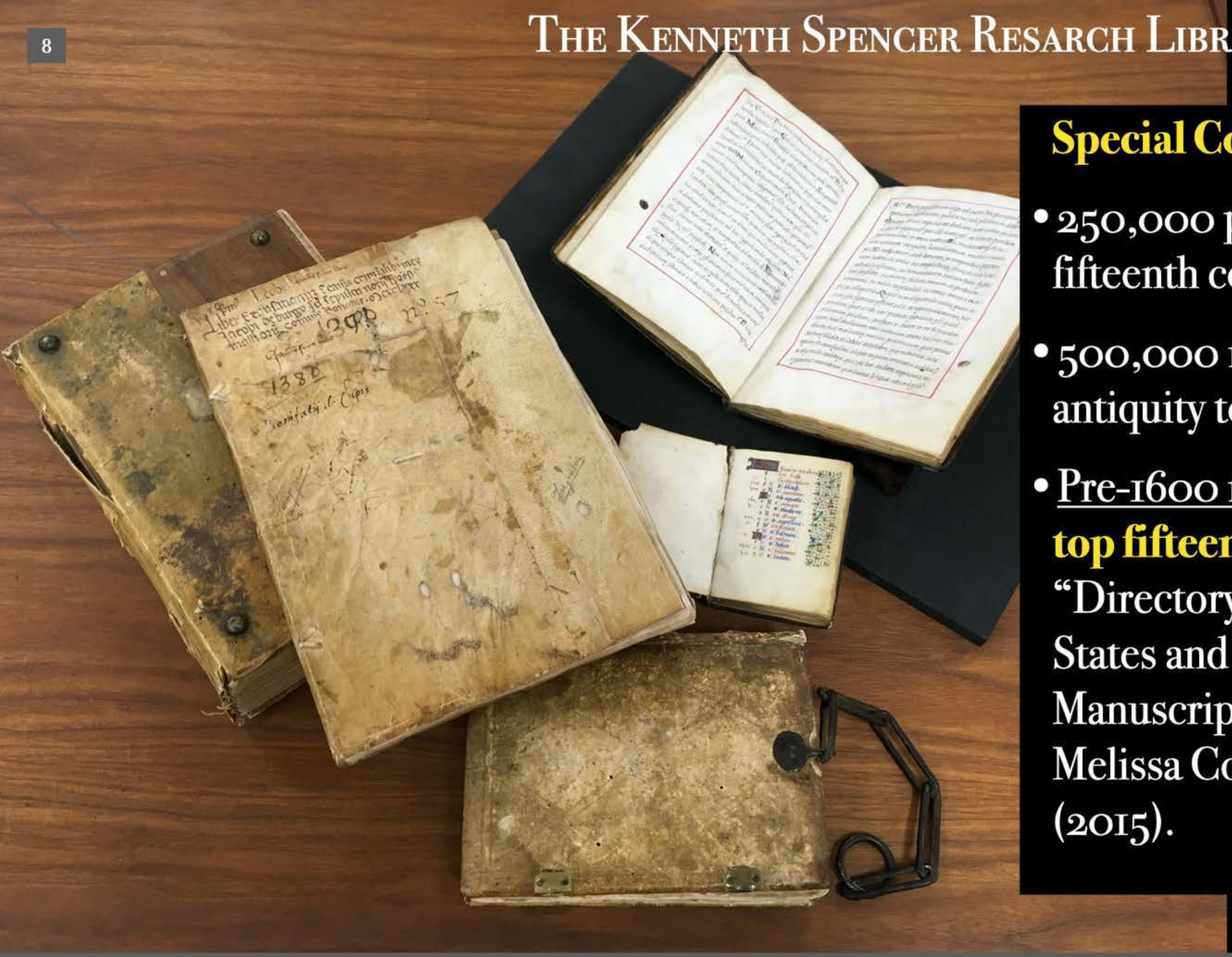
The Kenneth Spencer Resarch Library

Director: Beth M. Whittaker, Associate Dean for Distinctive Collections

Three divisions:

- **Kansas Collection**: materials that document the history of Kansas and the region, including the African American experience.
- **University Archives**: records documenting the history of the University of Kansas.
- **Special Collections**.

The Kenneth Spencer Resarch Library



Special Collections

- 250,000 printed volumes from the mid-fifteenth century to the present.
- 500,000 manuscript items from the antiquity to the present.
- Pre-1600 manuscripts: ranks among the **top fifteen** libraries according to the "Directory of Collections in the United States and Canada with Pre-1600 Manuscript Holdings" compiled by Melissa Conway and Lisa Fagin Davis (2015).

Digital Scriptorium

DS Home | About DS | Using The Images | Basic Search | Advanced Search | Help

Browse By
- Location
- Languages

Refine Results

Countries (22)
- Italy 89
- Germany 44
- France 42
- England 16
- Wales 14
- Spain 6
- Unknown 5
- EnglandFrance 3
- FranceNetherlands 2
- Netherlands 2
- Austria 1
- Austria;Germany 1
- Belgium 1
- BelgiumFrance 1
- Byzantium 1
- EnglandWales 1
- Flanders 1
- GermanyAustria 1
- Greece 1
- Holland 1
- Switzerland 1
- Switzerland;Germany 1

Location (1)
- University of Kansas 229

Centuries (9)

Search Results

Results for: bid: 30
Matches: 229
Page: 1

1. **Lawrence, University of Kansas, Kenneth Spencer Research Library, MS 18E:1**
   Description: - 2 leaves - Formerly leaves 43 and 89 in the parent manuscript; gift of W.P. Albrecht, acquired in 1964.
   Language: LATIN *Country:* France *Century:* 15th
   Number of Images Available: 2

2. **Lawrence, University of Kansas, Kenneth Spencer Research Library, MS 191:1**
   Description: - 1 item
   Language: LATIN *Country:* Wales *Century:* 13th
   Number of Images Available: 1

3. **Lawrence, University of Kansas, Kenneth Spencer Research Library, MS 191:10**
   Description: - 1 item;;Tan seal on tag, 3/4 wanting
   Language: LATIN *Country:* Wales *Century:* 13th
   Number of Images Available: 1

4. **Lawrence, University of Kansas, Kenneth Spencer Research Library, MS 191:11**
   Description: - 1 item;;Woven seal tag
   Language: LATIN *Country:* Wales *Century:* 13th
   Number of Images Available: 1

5. **Lawrence, University of Kansas, Kenneth Spencer Research Library, MS 191:12**
   Description: - 1 item;;Indenture. Tan seal on seal tag
   Language: LATIN *Country:* Wales *Century:* 13th
   Number of Images Available: 1

6. **Lawrence, University of Kansas, Kenneth Spencer Research Library, MS 191:13**
   Description: - 1 item;;Black seal on tag, bird on twig device
   Language: LATIN *Country:* Wales *Century:* 13th
   Number of Images Available: 1

229 manuscripts from the Kenneth Spencer Research Library cataloged on the Digital Scriptorium.

The University of Kansas myKU

10

KU

Kenneth Spencer Research Library

KU Libraries

Collections | Using the Library | Exhibits | About | Blog | Giving

Inside Spencer: The KSRL Blog

Manuscript of the Month: The Making of a Medieval Codex

October 27th, 2020

N. Kıvılcım Yavuz is conducting research on pre-1600 manuscripts at the Kenneth Spencer Research Library. Each month she will be writing about a manuscript she has worked with and the current KU Library catalog records will be updated in accordance with her findings.

We have very little information about the past history of *Kenneth Spencer Research Library* MS C195. When, where and by whom it was made are unknown. This is not surprising; the origins of many medieval manuscripts are uncertain. Scholars utilize different evidence to determine the circumstances in which a manuscript was produced as well as its history since its production. The only hint about the past of MS C195 comes from a note dated to 1841 glued onto the front pastedown according to which the manuscript previously belonged to the library of the Charterhouse of Montrieux (Chartreuse Notre-Dame de Montrieux) in Méounes-les-Montrieux in southeastern France. This Carthusian monastery that was originally built in 1137; yet even if MS C195 was in their library at some point, it does not mean that it was made there, although it could suggest the general region in which it was created.

"Manuscript of the Month"
on *Inside Spencer: The KSRL Blog*:
https://blogs.lib.ku.edu/spencer/

@manuscriptsetc on Instagram and Twitter

Instagram | Search | Log In | Sign Up

manuscriptsetc | Follow

200 posts **952** followers **186** following

manuscripts &c.
All about #manuscripts. Posts by @nkivilcimyavuz, Ann Hyde Postdoctoral Researcher at the Kenneth Spencer Research Library (#KSRL) of @kulibraries.
nkyavuz.com/projects/pre-1600-manuscripts-at-the-ksrl

POSTS | TAGGED

Edit profile

manuscripts &c.
@manuscriptsetc

Everything about #manuscripts. Tweets by @nkivilcimyavuz, Ann Hyde Postdoctoral Researcher at the Kenneth Spencer Research Library (#KSRL) of @kulibraries.

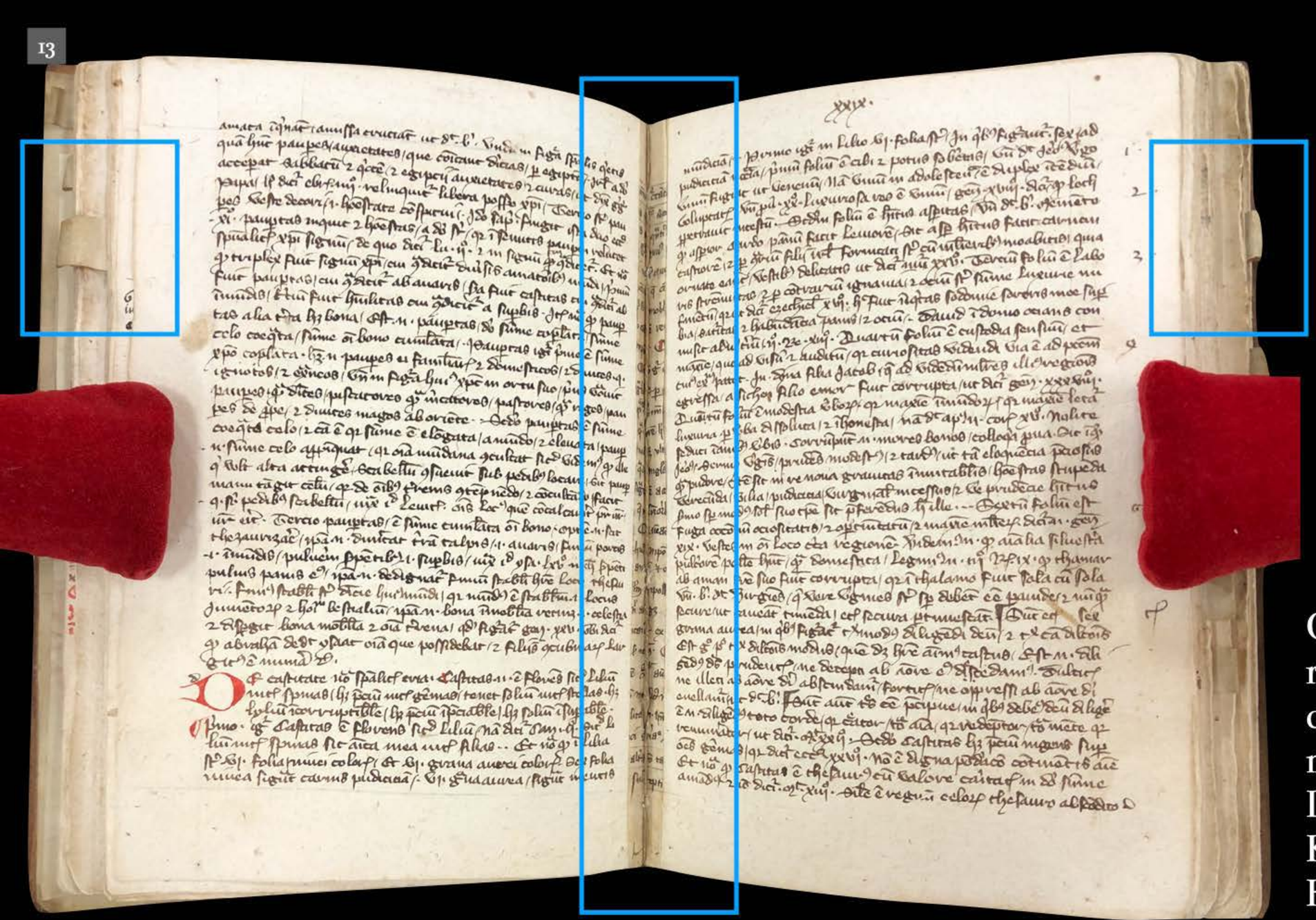
Lawrence, KS | nkyavuz.com/projects/pre-1... | Joined October 2019

503 Following **579** Followers

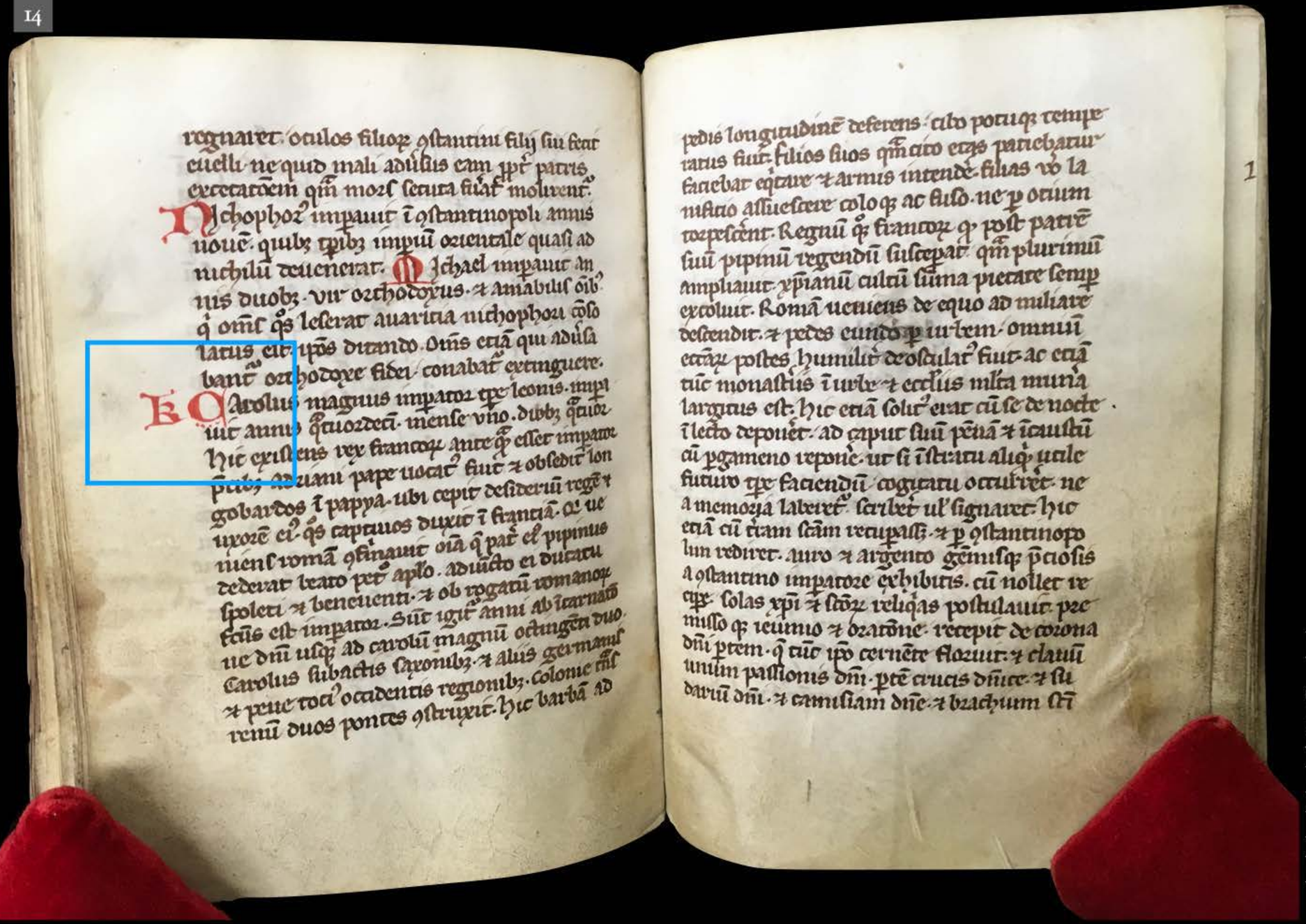
The Kenneth Spencer Resarch Library

Legal writs on parchment on display in the North Gallery.

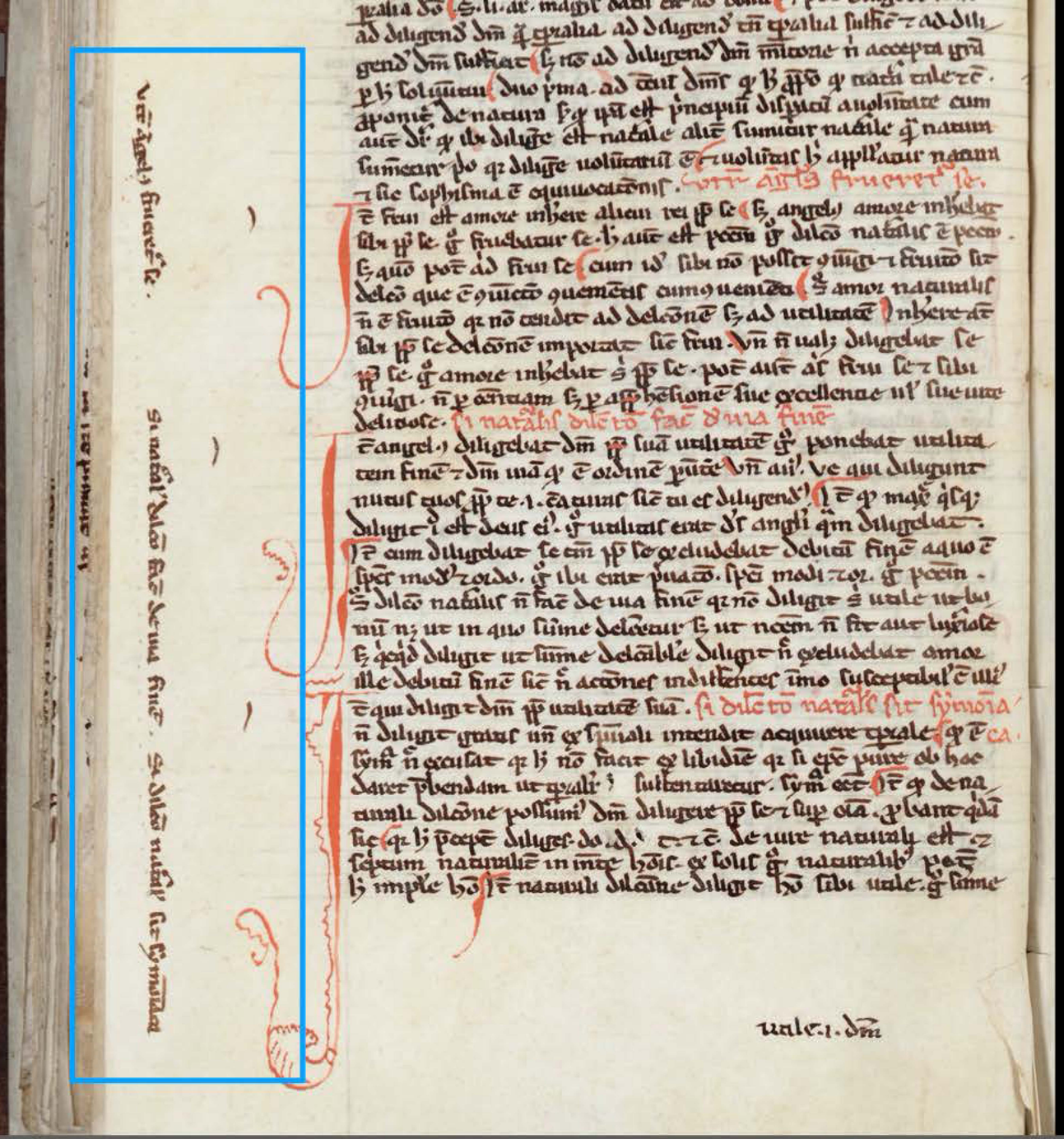
Part of the North Family Papers, Kenneth Spencer Research Library, University of Kansas, Lawrence.



Old parchment strips repurposed to support the centerfolds of a paper manuscript.
Lawrence, KS, University of Kansas, Kenneth Spencer Research Library, MS C64.

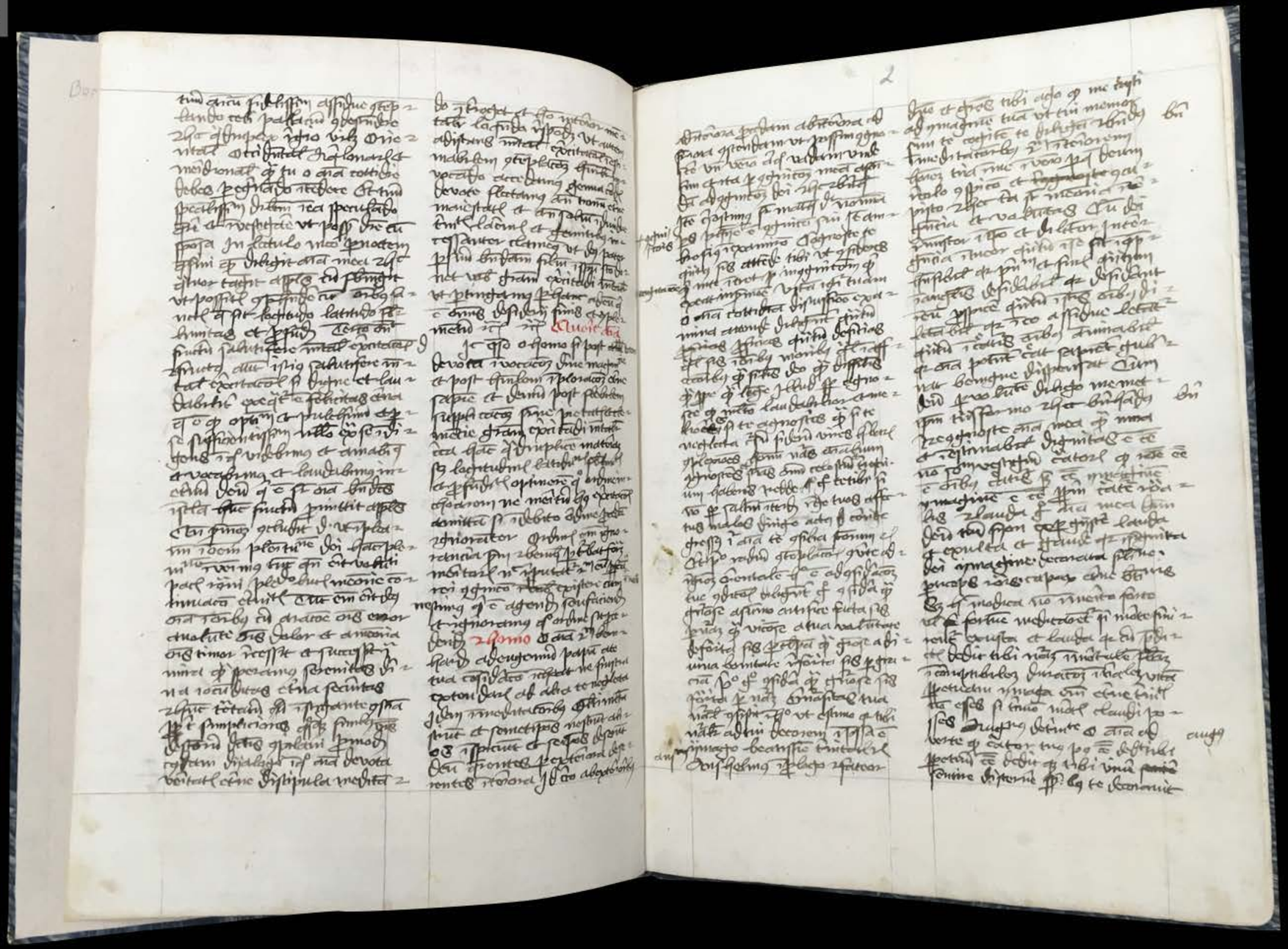


Initials in plain red throughout; one initial C corrected to K on folio 36v).
Lawrence, KS, University of Kansas, Kenneth Spencer Research Library, MS B90.

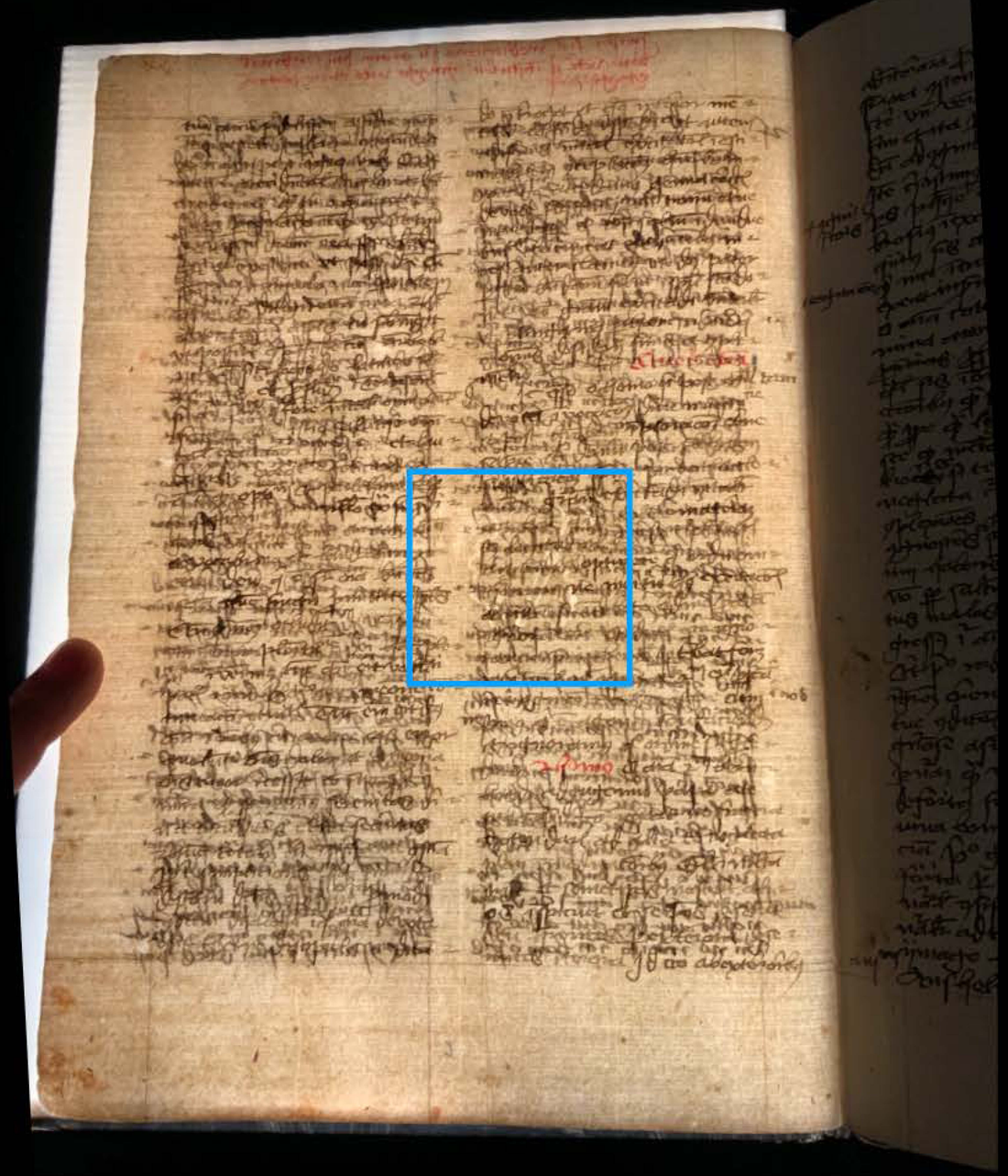


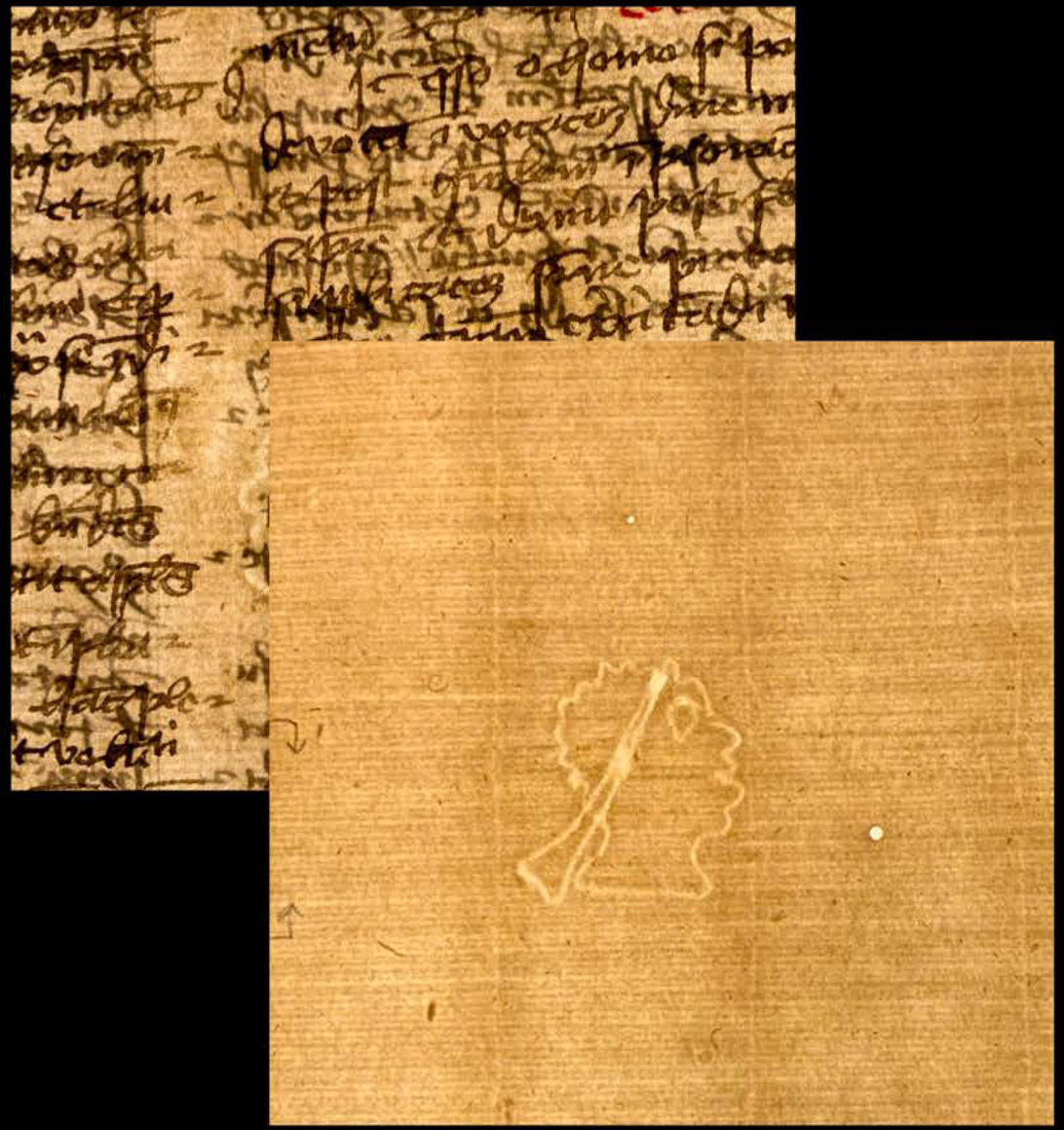
Guide letters and guide rubrics visible in the outer margins.
Lawrence, KS, University of Kansas, Kenneth Spencer Research Library, MS B18 (detail).

The outermost and innermost leaves of each gathering are parchment whereas the rest of the leaves are paper.
Lawrence, KS, University of Kansas, Kenneth Spencer Research Library, MS C143.



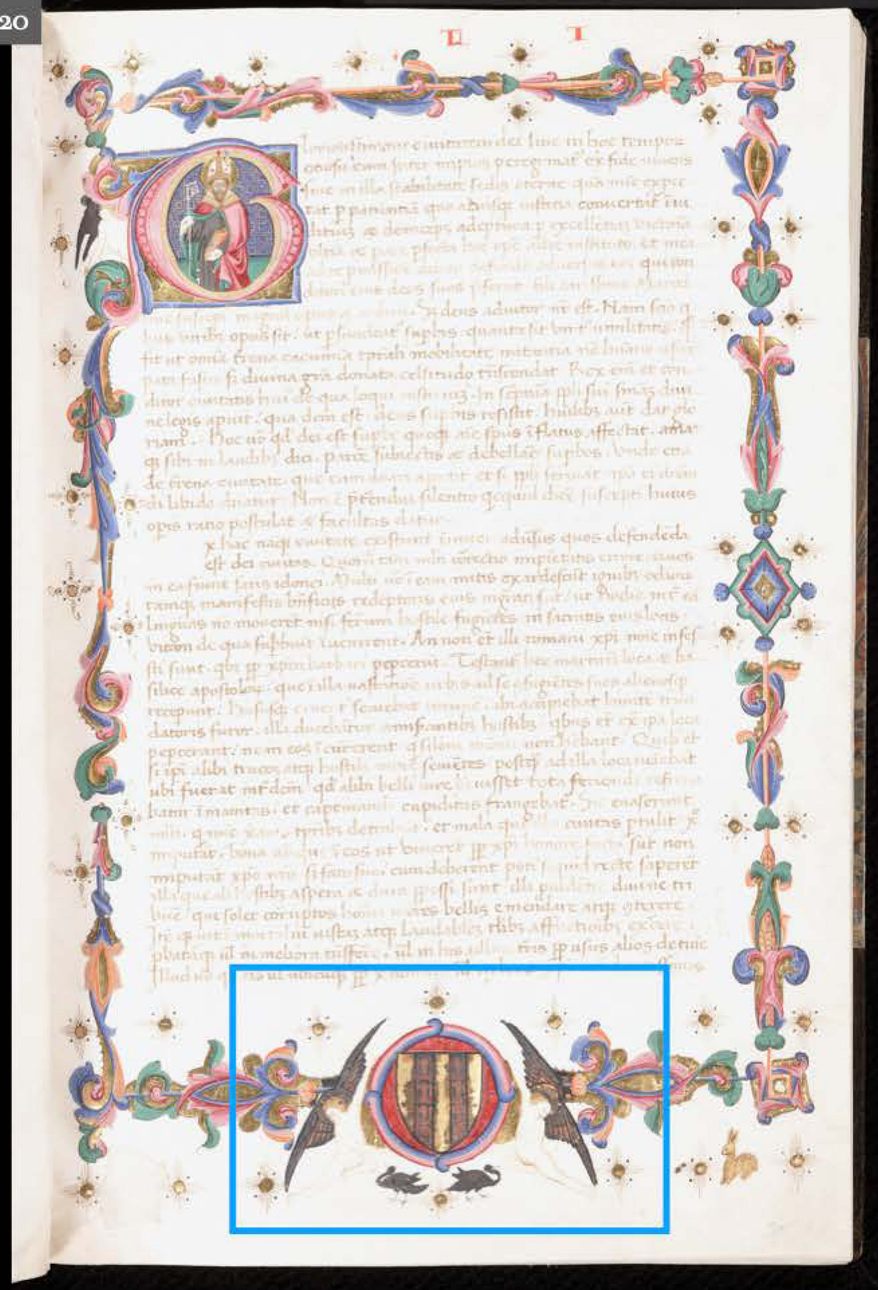
Lawrence, KS, University of Kansas, Kenneth Spencer Research Library, MS D37.

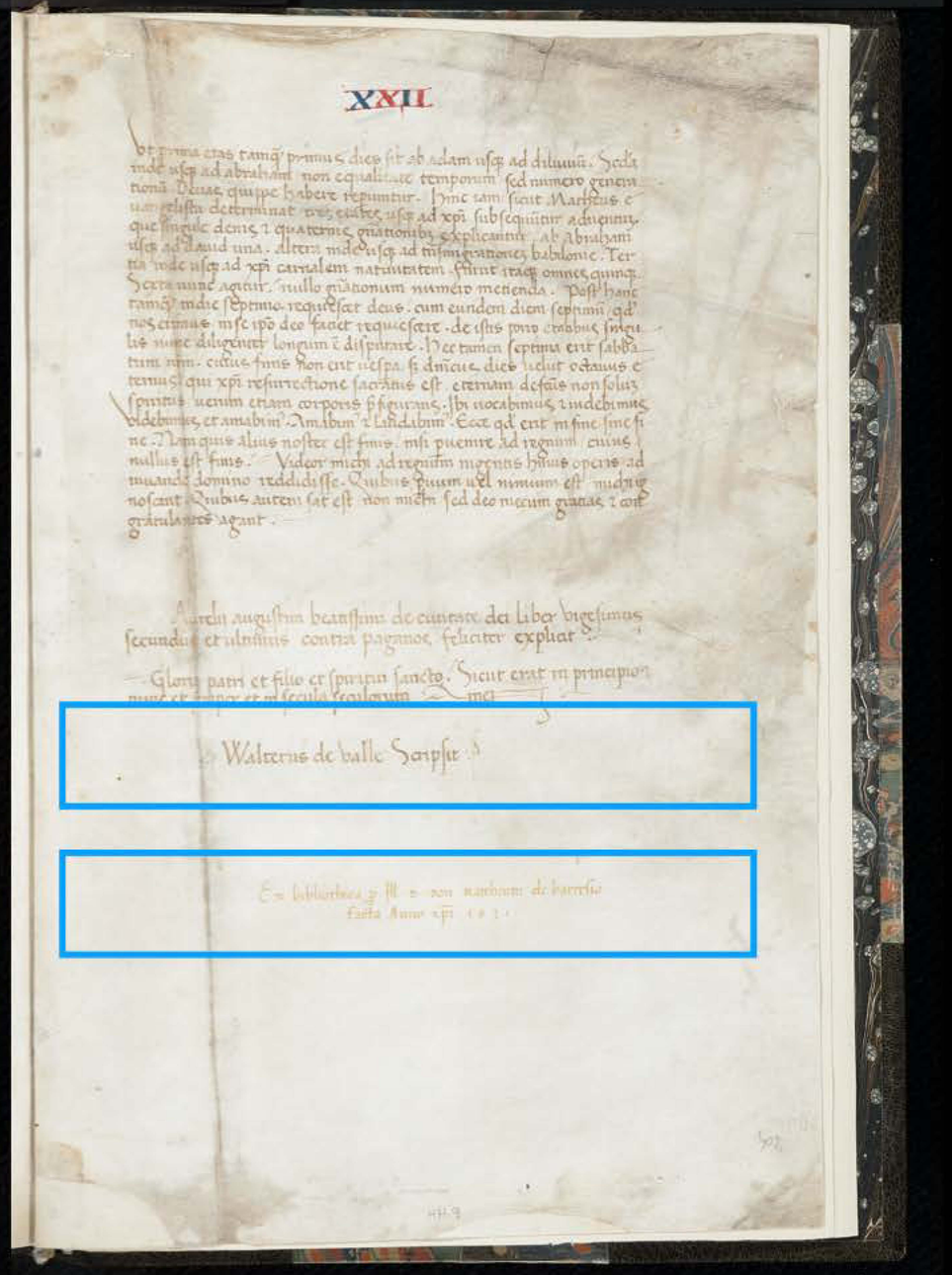




Lawrence, KS, University of Kansas, Kenneth Spencer Research Library, MS D37.

Watermark: A human head in profile with a headband (similar to Piccard AT3800-PO-20156).
Lawrence, KS, University of Kansas, Kenneth Spencer Research Library, MS D37. Dated: January 5, 1433.



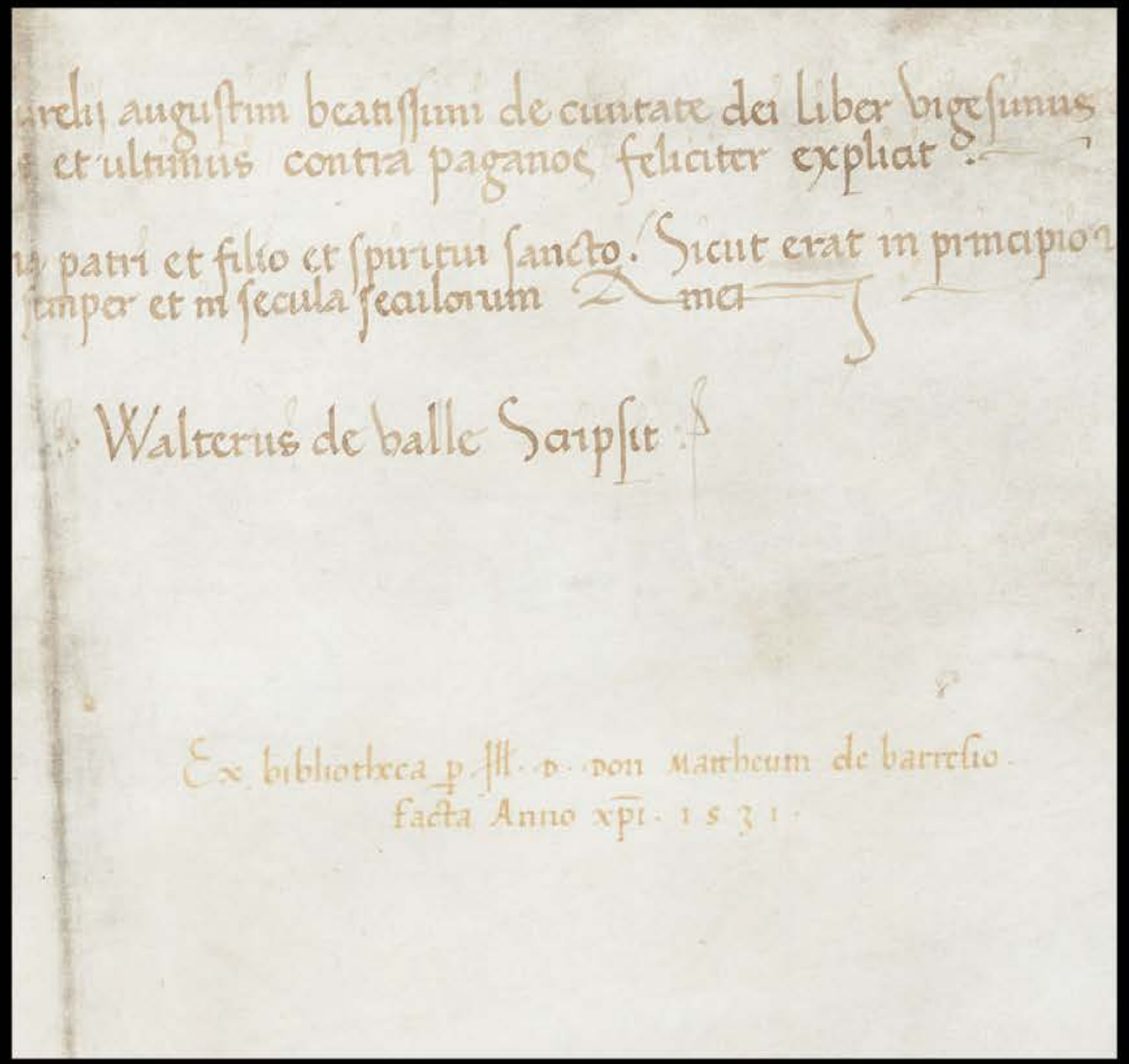


Augustine, *De civitate Dei* [The City of God]. Italy, beginning of the fifteenth century.

Opening of the text on fol. 15r (right) and the closing of the text on fol. 303r (right).

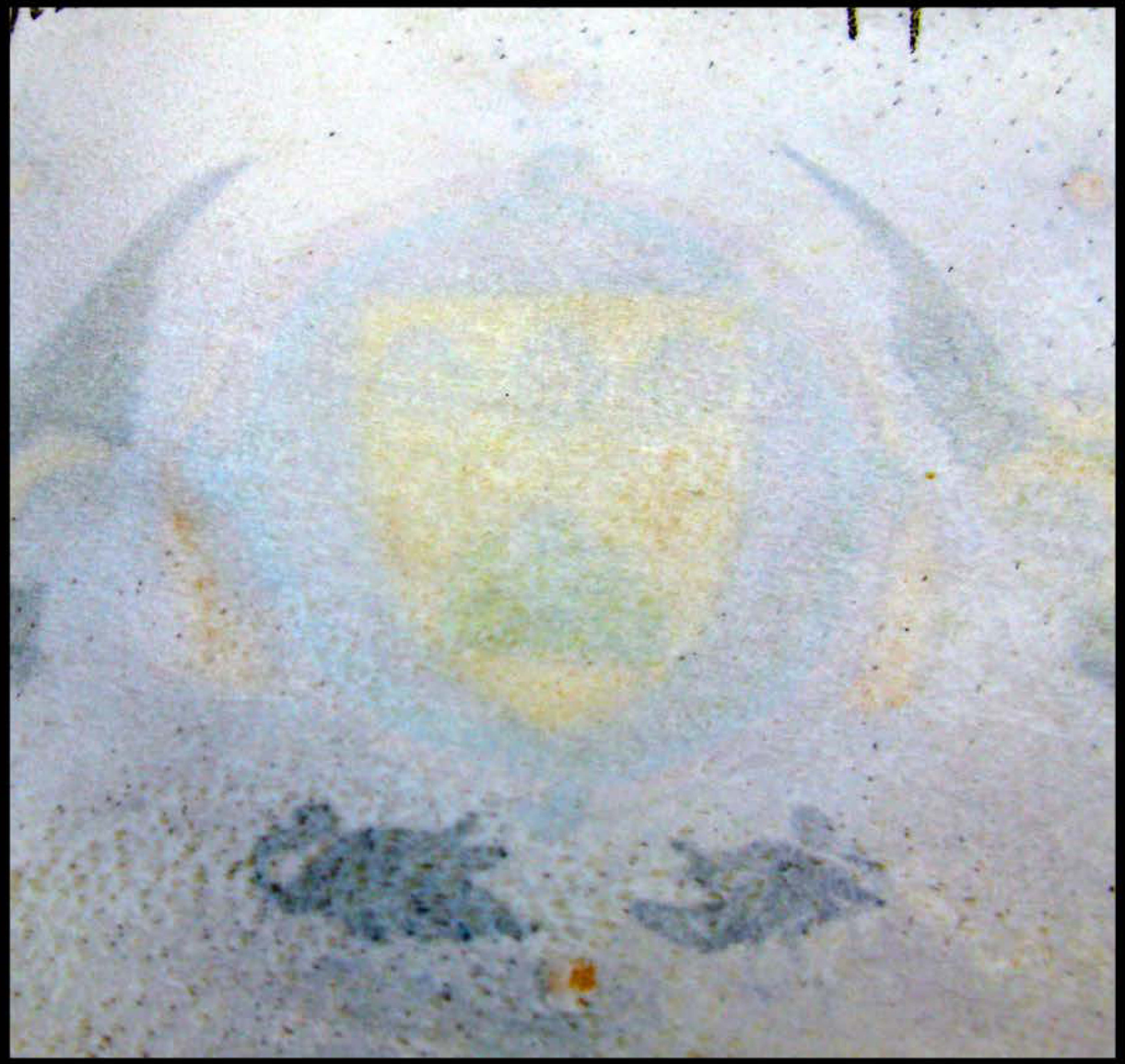
Kenneth Spencer Research Library, MS G1.

Coat of arms of Matteo Barresi.
Kenneth Spencer Research Library, MS G1, fol. 15r.

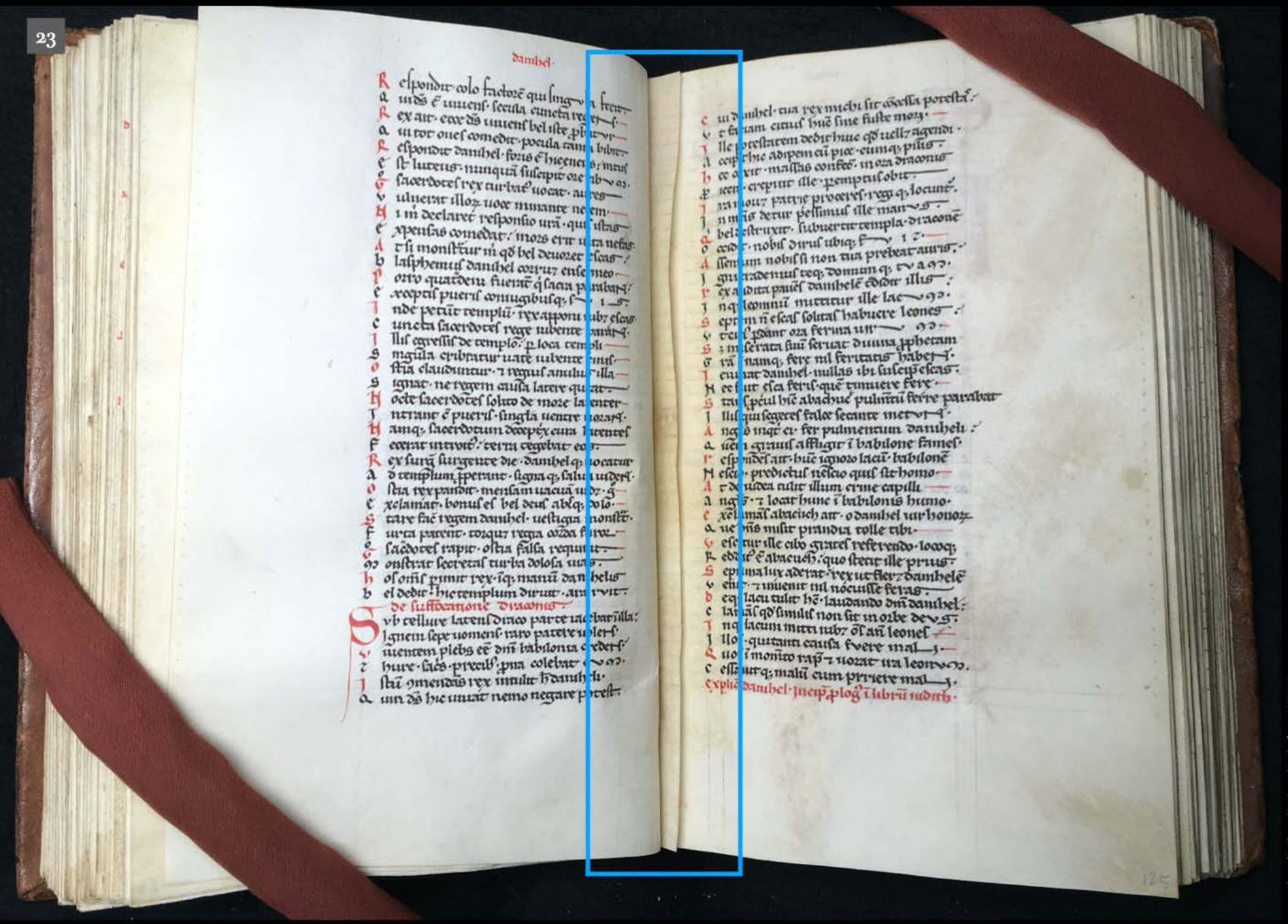


Colophon by the scribe, Walterus de Valle and ownership inscription by Matteo Barresi. Kenneth Spencer Research Library, MS G1, fol. 303r.

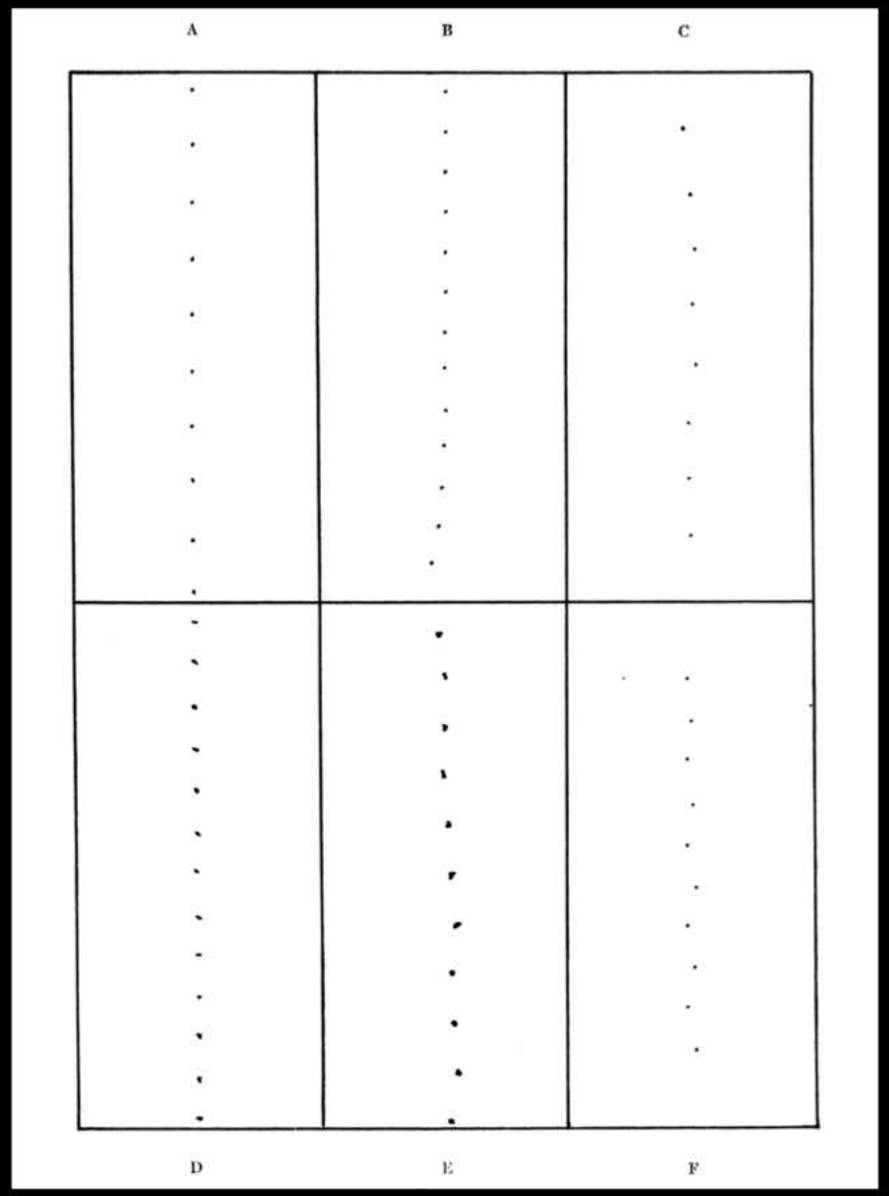
Coat of arms of Matteo Barresi.
Kenneth Spencer Research Library, MS G1, fol. 15r.

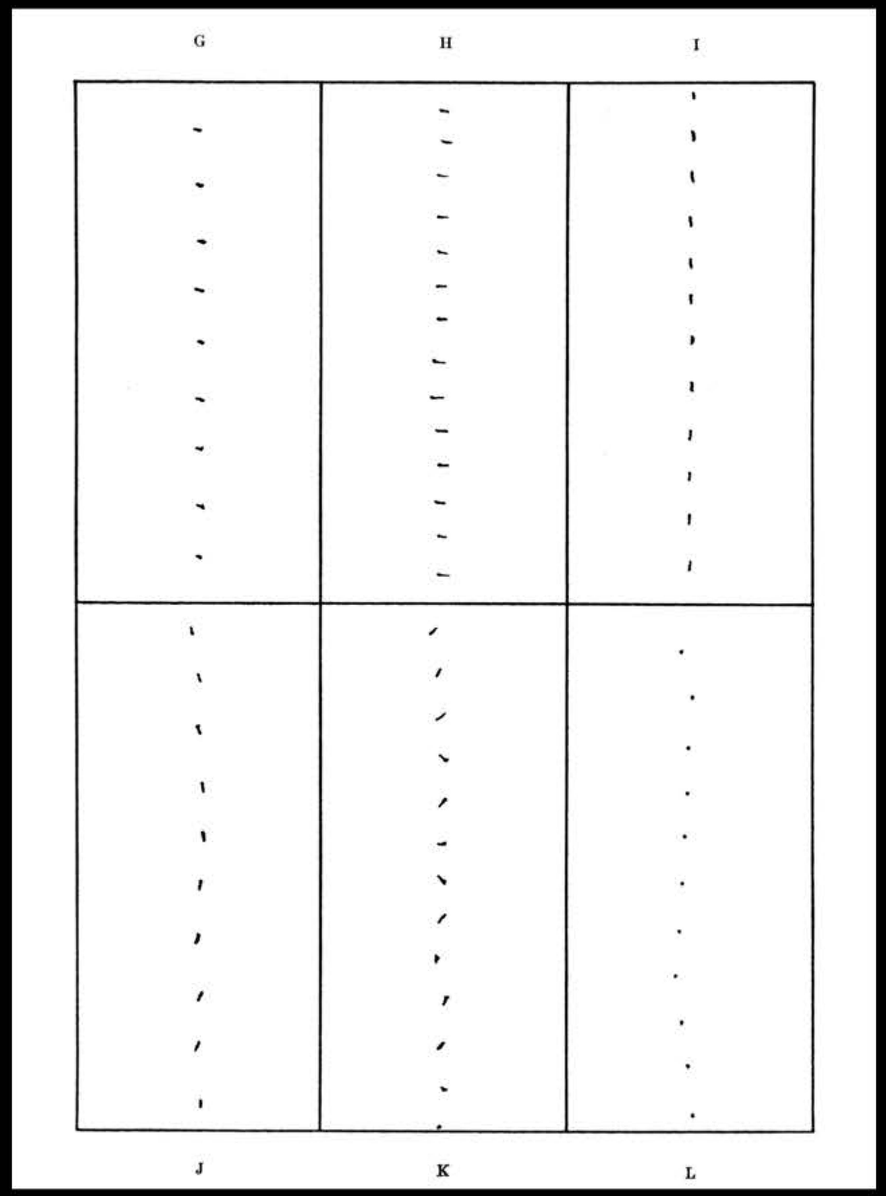


Verso side showing another coat of arms underneath!
Kenneth Spencer Research Library, MS G1, fol. 15v.

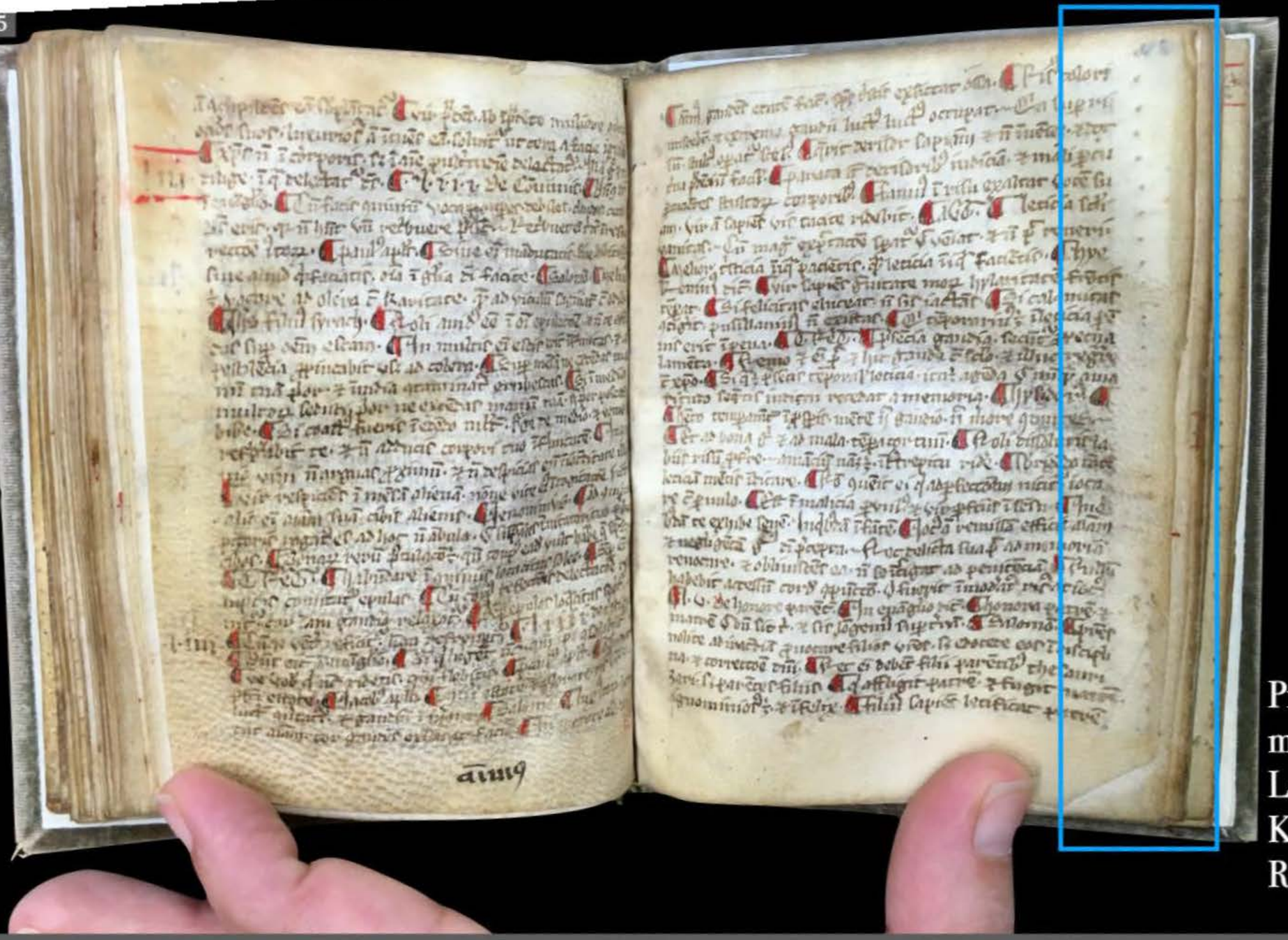


Stubs visible; several quires made up of singletons. Lawrence, KS, University of Kansas, Kenneth Spencer Research Library, MS C195.





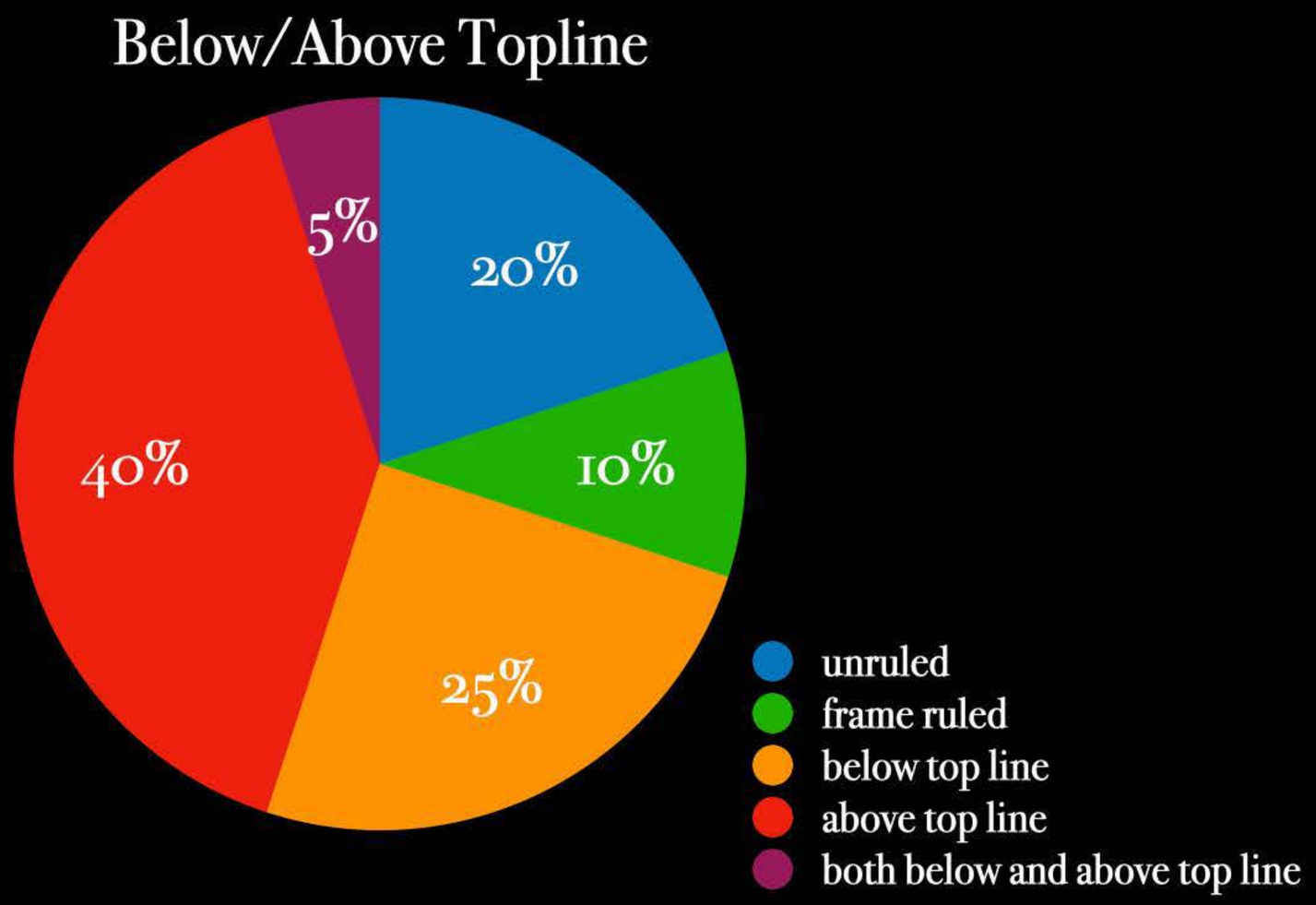
Twelve types of pricking patterns from Leslie Webber Jones, "Pricking Manuscripts: The Instruments and Their Significance," *Speculum* 21:4 (1946): 389-403, Plates II and III.

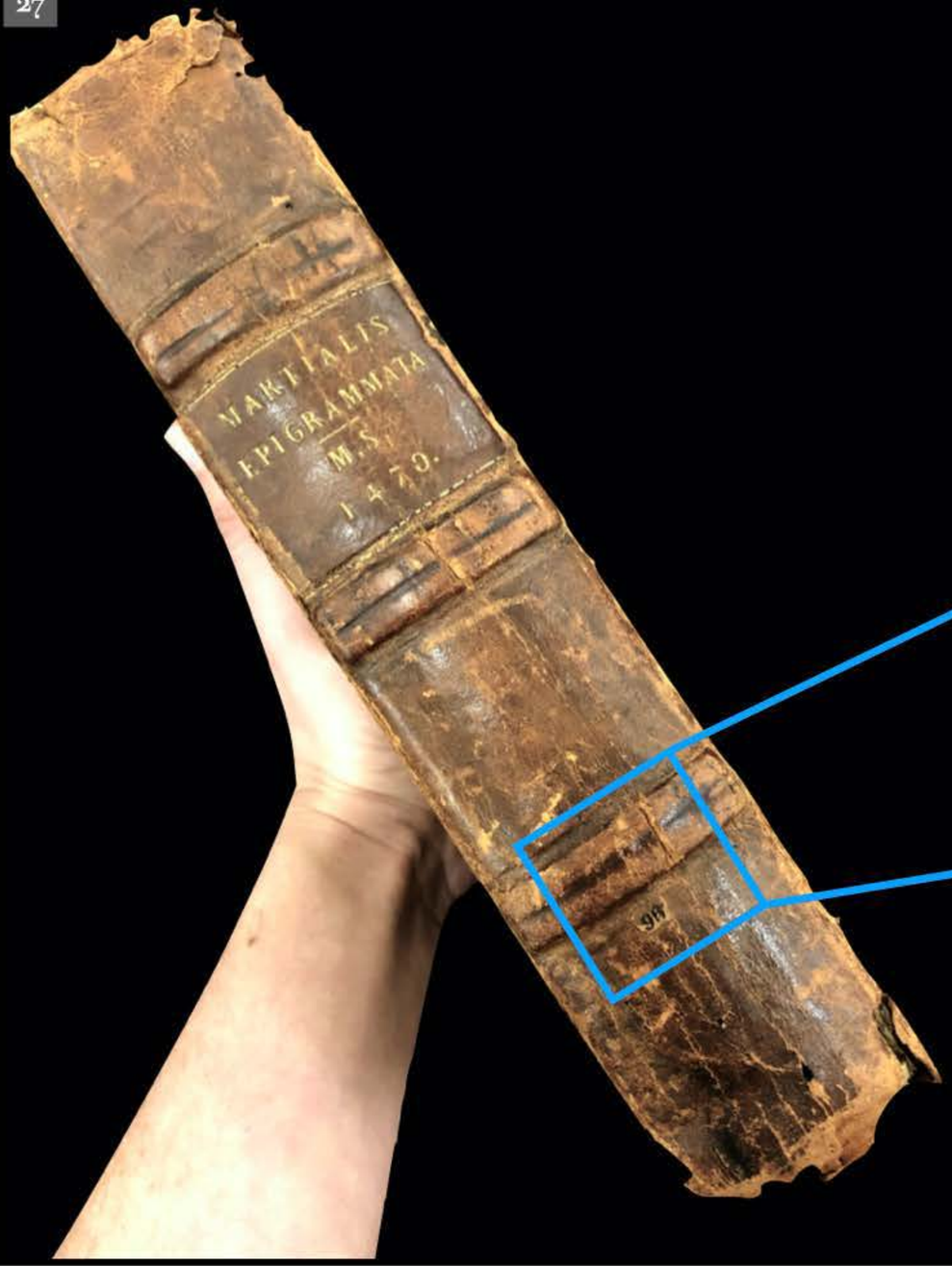


Pricking marks visible on outer margins of most leaves. Lawrence, KS, University of Kansas, Kenneth Spencer Research Library, MS A17.

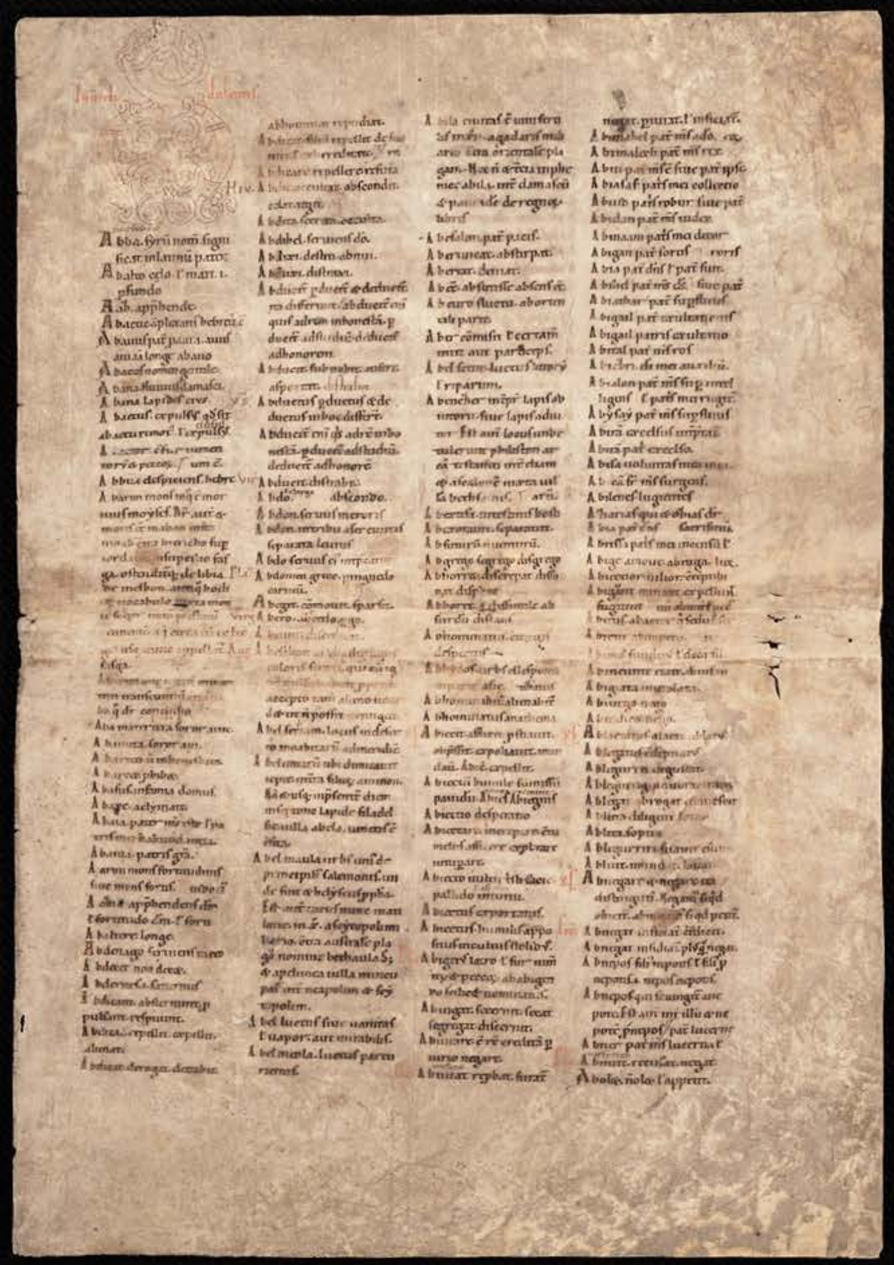
20 Fifteenth-Century Manuscripts from the Kenneth Spencer Research Library

MS B21	MS D2
MS C49	MS D13
MS C54	MS D37
MS C61	MS D38
MS C65	MS E17
MS C68	MS E18
MS C70	MS E20
MS C143	MS E71
MS C247	MS G1
MS C277	Pryce MS P4





Remnants of a paper label with typeset numbers adhered to the tail of the spine that evidences former ownership of Sir Thomas Phillipps.
Lawrence, KS, University of Kansas, Kenneth Spencer Research Library, MS D2.



Relative dimensions of two fragments.
Lawrence, KS, University of Kansas, Kenneth Spencer Research Library, MS J6:2 (left) and MS 9/2:31 (above).

Manuscripts examined virtually at the Kenneth Spencer Research Library

MS D84

MS E71

MS C195

Fourteenth-century manuscript in its original binding with chain components intact. Lawrence, KS, University of Kansas, Kenneth Spencer Research Library, MS D84.

MEASURING POLYPHONY

DIGITAL ENCODINGS OF LATE MEDIEVAL MUSIC

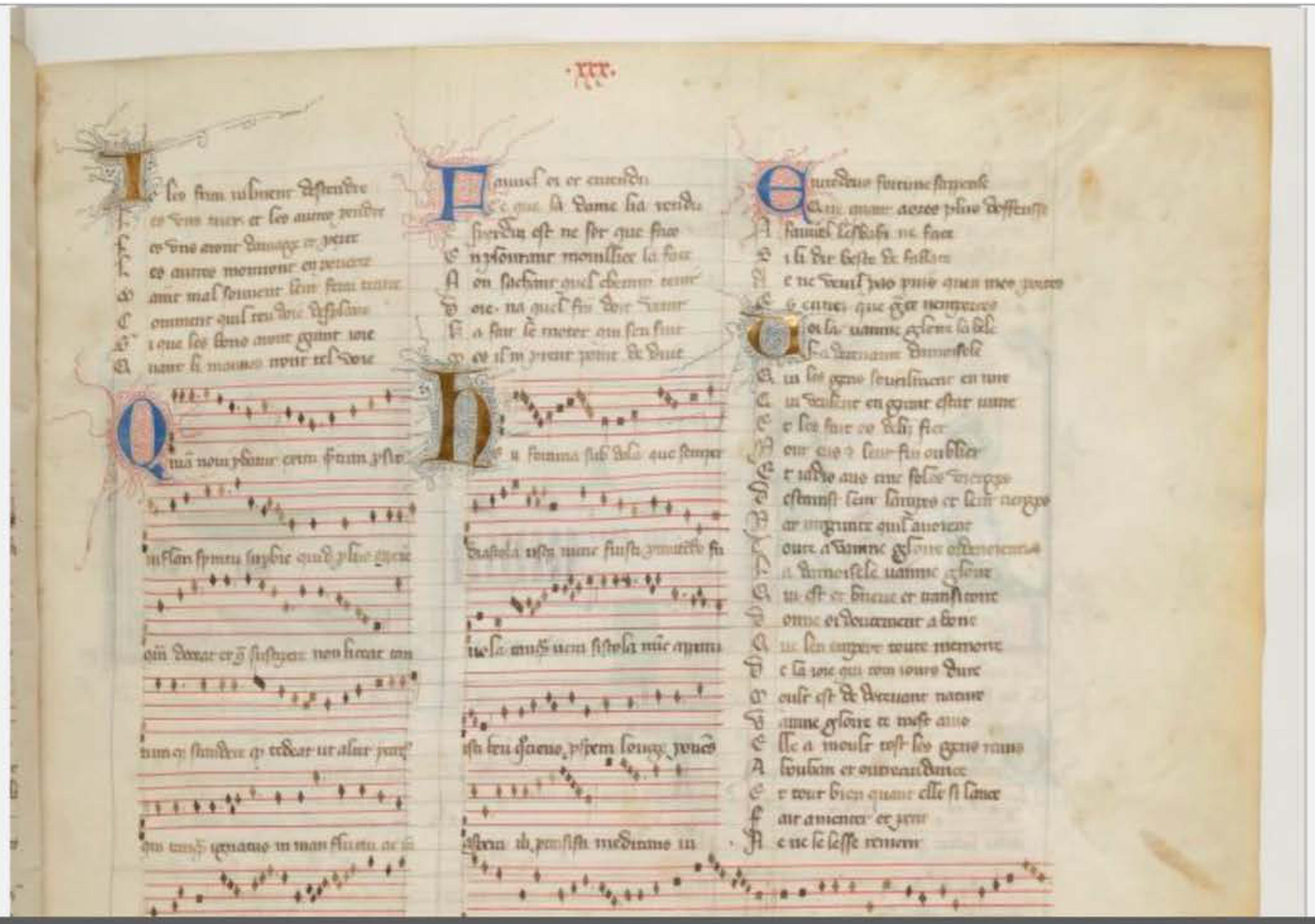
Measuring Polyphony

https://measuringpolyphony.org/

Français 146

Zoom level: 2.00

Page 75 of 208 Go



...France_Latin_5691_Description_NKY.xml | heu.mei | ..._ Cod._Haen._3518_Description_NKY.xml

Right-click for o

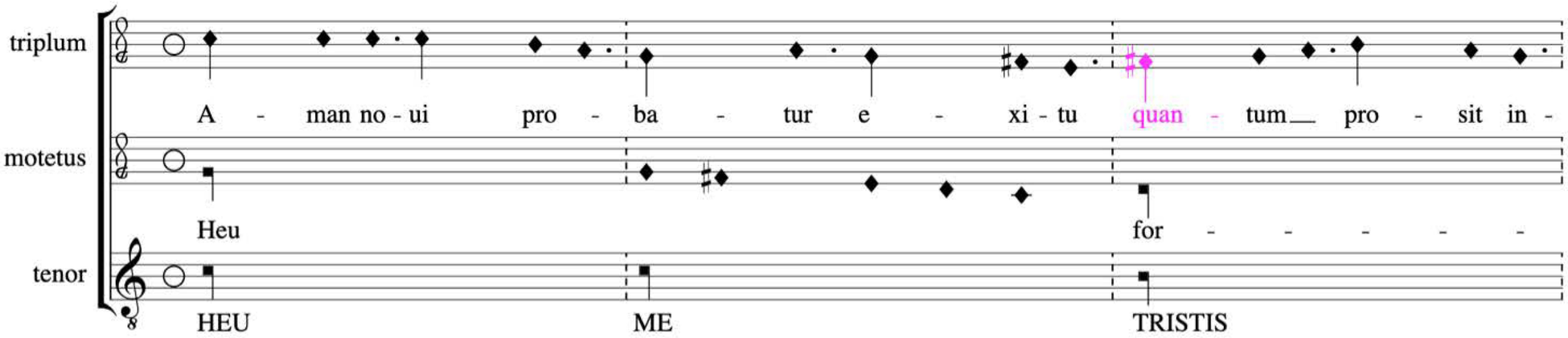
32 ei

```
127     <music xml:id="m-25">
128         <body xml:id="m-26">
129             <mdiv xml:id="m-27">
130                 <score xml:id="m-28">
131                     <scoreDef xml:id="m-29" midi.bpm="800" lyric.name="Plantin MT Std" meter.count="4" meter.unit="1" music.name="Opus Std"
    page.botmar="15mm" page.height="279.4mm" page.leftmar="15mm" page.rightmar="15mm" page.topmar="15mm" page.width="215.9mm" ppq="256"
    text.name="Plantin MT Std">
132                         <staffGrp xml:id="m-30">
133                             <staffGrp xml:id="m-40" n="1" symbol="bracket">
134                                 <staffDef xml:id="triplum" clef.line="2" clef.shape="G" key.mode="major" key.sig="0" lines="5" n="1">
135                                     <label>triplum</label>
136                                 </staffDef>
137                                 <staffDef xml:id="motetus" clef.line="2" clef.shape="G" key.mode="major" key.sig="0" lines="5" n="2">
138                                     <label>motetus</label>
139                                 </staffDef>
140                                 <staffDef xml:id="tenor" clef.dis="8" clef.dis.place="below" clef.line="2" clef.shape="G" key.mode="major"
    key.sig="0" lines="5" n="3">
141                                     <label>tenor</label>
142                                 </staffDef>
143                             </staffGrp>
144                         </staffGrp>
145                     </scoreDef>
146                     <section xml:id="m-41">
147                         <sb xml:id="m-43" />
148                         <measure xml:id="m-42" label="1" n="1">
149                             <staff xml:id="m-44" n="1">
150                                 <layer xml:id="m-45" n="1">
151                                     <note xml:id="m-46" dur="1" dur.ges="1024p" oct="5" pname="c" pnum="72" stem.dir="down">
152                                         <verse xml:id="m-54" n="1">
153                                             <syl xml:id="m-55" con="d" wordpos="i">A</syl>
154                                         </verse>
155                                     </note>
```

AMAN NOVI PROBATUR EXITU / HEU! FORTUNA SUBDOLA / HEU! TRISTIS EST ANIMA MEA!

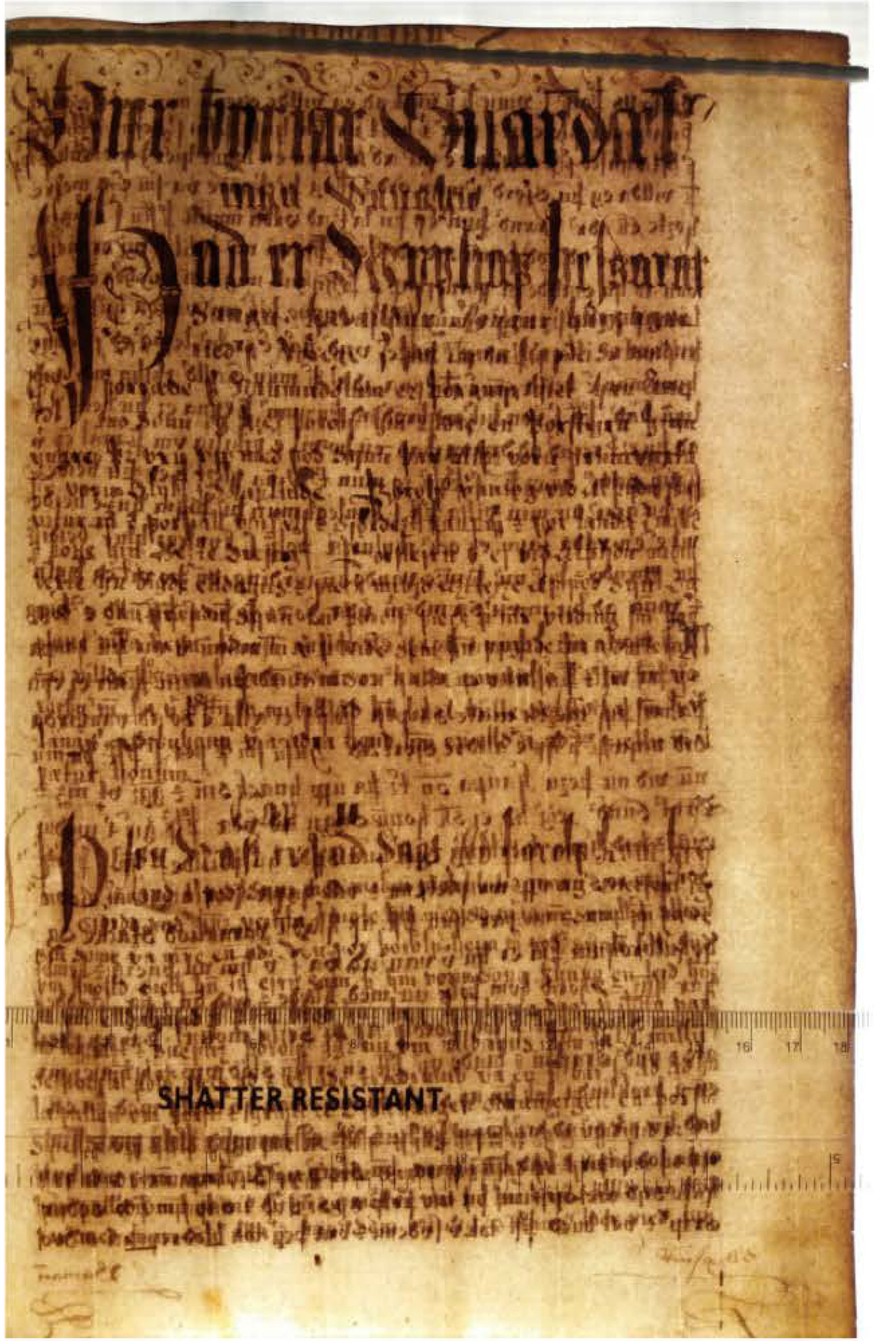
Anonymous

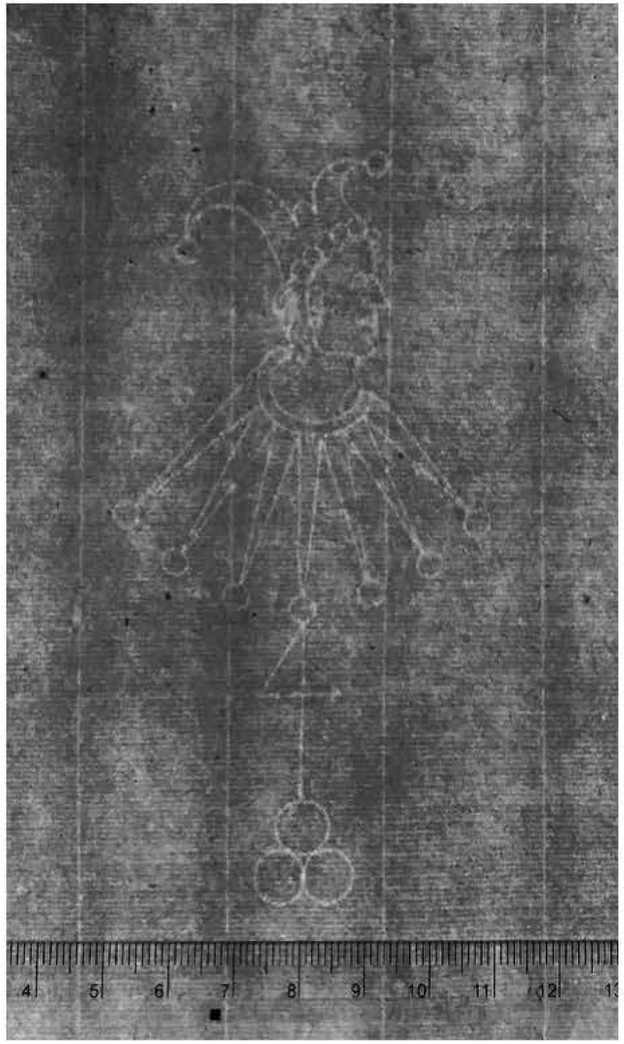
0:00 0:00 Switch score to modern notation



Source
Fauv, fol(s). 30r
Click this link for more information on this MS (DIAMM)

Downloads
MEI files: CMN SCORE | MENS SCORE
PDF files: PDF SCORE





Descriptions of watermarks in Iceland, Reykjavík, Stofnun Árna Magnússonar, AM 160 fol. by Ermenegilda Müller.

...France_Latin_5691_Description_NKY.xml | heu.mei | WMmodule_example_3_8_21.xml | ..._ Cod._Haen._3518_Description_NKY.xml

```xml
<?xml version="1.0" encoding="UTF-8"?>
<?xml-model href="out/WatermarkDesc_v3.rng" type="application/xml" schematypens="http://relaxng.org/ns/structure/1.0"?>
<TEI xmlns="http://www.tei-c.org/ns/1.0">
  <teiHeader>
      <fileDesc>
         <titleStmt>
            <title>Example for WatermarkDesc custom module.</title>
         </titleStmt>
         <publicationStmt>
            <p>Made by Ermenegilda Müller (University of Iceland), August 4, 2021.</p>
         </publicationStmt>
         <sourceDesc>
            <p>Born digital.</p>
         </sourceDesc>
      </fileDesc>
  </teiHeader>
  <text>
      <body>
         <listBibl>
              <msDesc>
                 <msIdentifier>
                    <repository>Stofnun Árna Magnússonar, Reykjavík, Iceland</repository>
                    <idno>AM 160 fol.</idno>
                 </msIdentifier>
                 <physDesc>
<objectDesc>
   <supportDesc>
      <support>
         <watermark>
<list>
```

Right-click for options

IllegalStateException - cannot validate without schema

Text | Grid | Author

Descriptions of watermarks in Iceland, Reykjavík, Stofnun Árna Magnússonar, AM 160 fol. by Ermenegilda Müller.

...France_Latin_5691_Description_NKY.xml | heu.mei | WMmodule_example_3_8_21.xml | ..._ Cod._Haen._3518_Description_NKY.xml

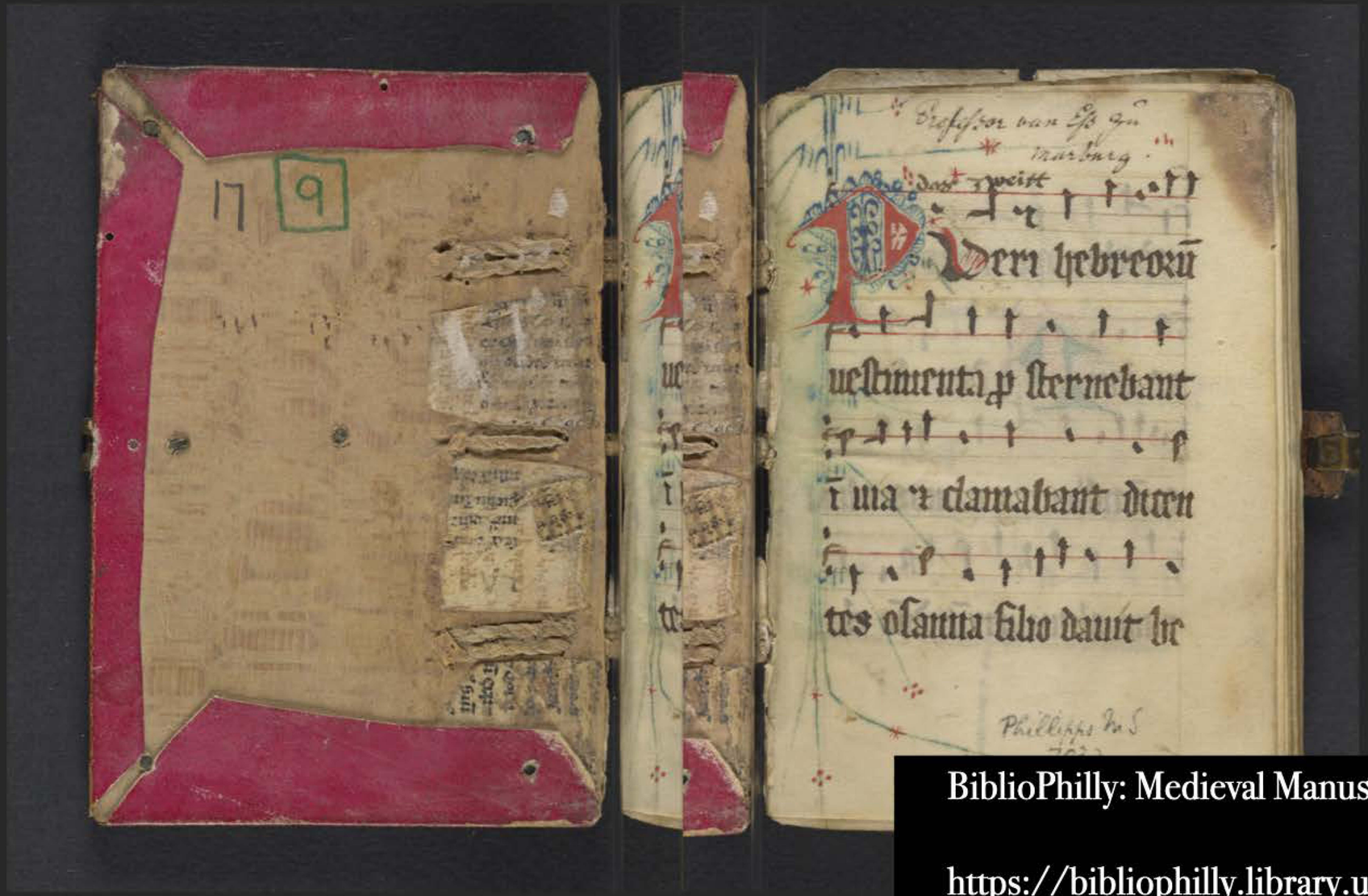
```xml
<list>
   <item n="1">
      <paperDesc xmlns="http://www.ermenegildamuller.com/watermarkmodule">
         <locusGrp xmlns="http://www.tei-c.org/ns/1.0">
            <locus from="1r" to="24v">ff. 1-24</locus>
         </locusGrp>
         <dimensions xmlns="http://www.tei-c.org/ns/1.0">
            <height unit="mm">288</height>
            <width unit="mm">196</width>
         </dimensions>
         <paperDataMethod original="1">
            <reprodID>
               <idno xmlns="http://www.tei-c.org/ns/1.0"></idno>
               <repository xmlns="http://www.tei-c.org/ns/1.0"></repository>
            </reprodID>
         </paperDataMethod>
         <papState>trimmed</papState>
         <list xmlns="http://www.tei-c.org/ns/1.0">
            <item n="1">
               <WMDesc xmlns="http://www.ermenegildamuller.com/watermarkmodule" kind="m" twin="1">
                  <locusGrp xmlns="http://www.tei-c.org/ns/1.0">
                     <locus from="5r" to="5v">5</locus>
                     <locus from="7r" to="7v">7</locus>
                     <locus from="9r" to="9v">9</locus>
                     <locus from="12r" to="12v">12</locus>
                     <locus from="22r" to="22v">22</locus>
                     <locus from="23r" to="23v">23</locus>
                     <locus from="24r" to="24v">24</locus>
                  </locusGrp>
                  <WMdim>
```

IllegalStateException – cannot validate without schema

Text | Grid | Author

Descriptions of watermarks in Iceland, Reykjavík, Stofnun Árna Magnússonar, AM 160 fol. by Ermenegilda Müller.

Processional; Astronomical Text binding fragment



BiblioPhilly: Medieval Manuscripts of Philadelphia

https://bibliophilly.library.upenn.edu/

PROCESSIONAL; ASTRONOMICAL TEXT BINDING FRAGMENT Lewis E 9

Free Library of Philadelphia

Return To Search

Manuscript Overview | References | Binding Images

Abstract

This manuscript is a late fifteenth-century processional with a binding fragment of an earlier astrological treatise pasted to the back board.

Physical Description

Support: Parchment; **Extent**: 51+i; 125 x 86 mm bound to 130 x 90 mm; **Foliation**: Modern foliation in pencil, upper corner recto; **Collation**: 1 (12, +1 +2), 2-3 (12), 4 (6, -6), 5 (9, -3 +9)

Layout

Frame-ruled in ink, one column of ruled staves in red, yellow, and brown; four staves per folio; written area: 85 x 60 mm; an extra slip of musical notation, accompanying the phrase "Sancte fortis," has been tipped in before fol. 51

Script

Gothic--textualis quadrata

Decoration

Flourished initials in red and blue or red and black throughout; rubrication of capitals and decoration in red and green throughout; some decorated hyper-extended descenders (e.g., fol. 12v); inhabited initials (fols. 15r, 20v, 21r)

For a full list of Decorations in this manuscript please see the Content and Decorations section by clicking on the [i] button in the top left corner of the image viewer above.

Notes

Collation note: 2 stubs after fol. 12, 1 stub before fol. 43

Text and music from fol. 49v to the end were added at a later date

KEYWORDS

Processional | Astrology | Science | 15th century | 13th century | 10th century | Gothic | Inhabited initial | Liturgy | Free Library of Philadelphia

Place of Origin

Germany

Date

Late 15th century; 13th century; 10th century

Binding

Contemporary red pigskin over wooden boards, brass studs and clasp, with fragments of a thirteenth-century manuscript pasted to the inside of the front board, and fragment of a tenth-century astronomical treatise pasted to inside of the back board

Language

Latin

Provenance

Collection of Professor Leander van Ess, Darmstadt, no. 318, sold 1824; Collection of Sir Thomas Phillipps, no. 702=21985, sold via Sotheby's, London, June 6, 1910, lot 25, to Ettinghausen; John Frederick Lewis, Philadelphia; given by his widow, Anne Baker Lewis, to the Free Library of Philadelphia in 1936

Processional; Astronomical Text binding fragment

Auto

CONTENTS AND DECORATIONS

Binding fragment *Inside front cover*

> DECORATIONS (27)

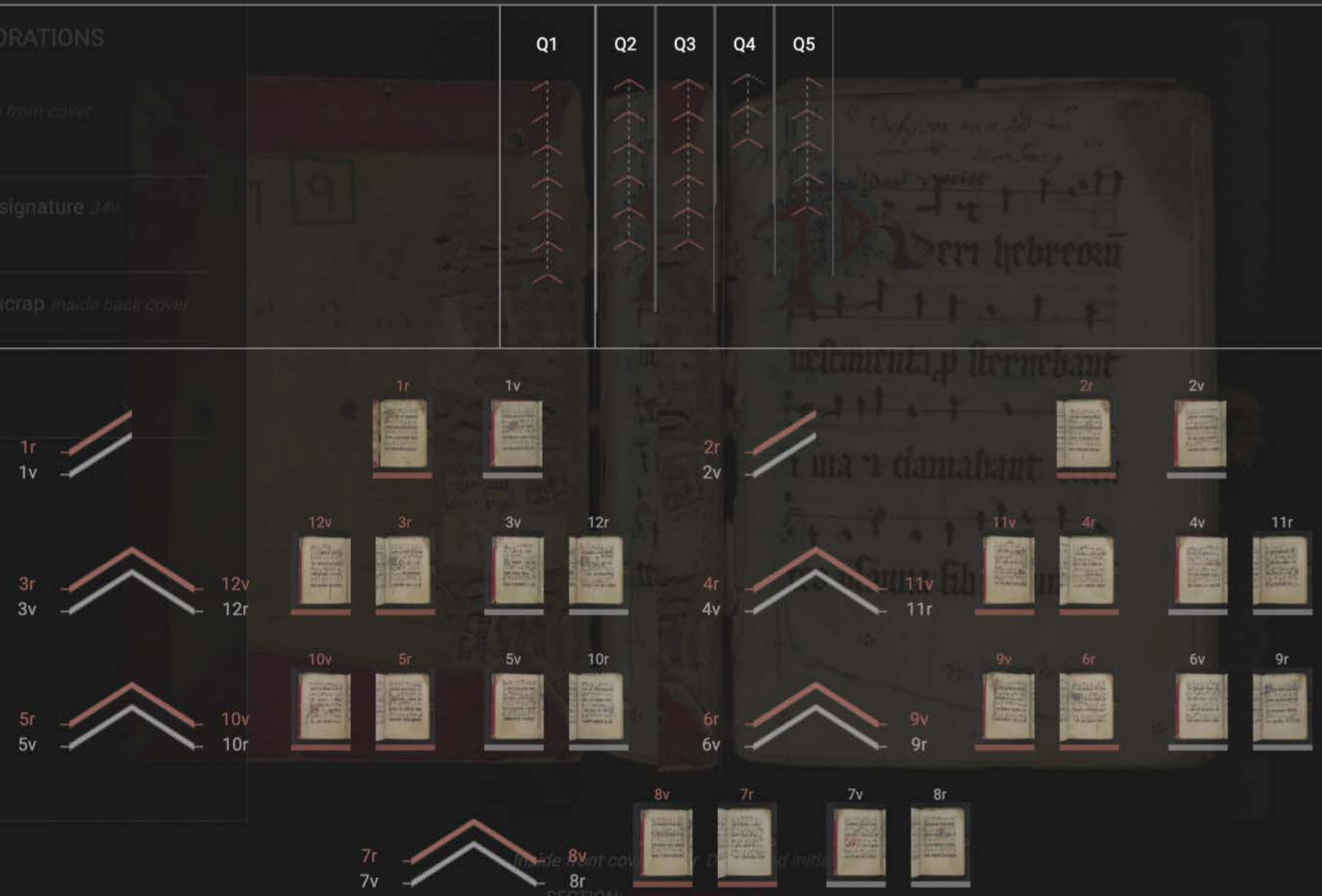
Opening with a scribal signature *34v*

> DECORATIONS (19)

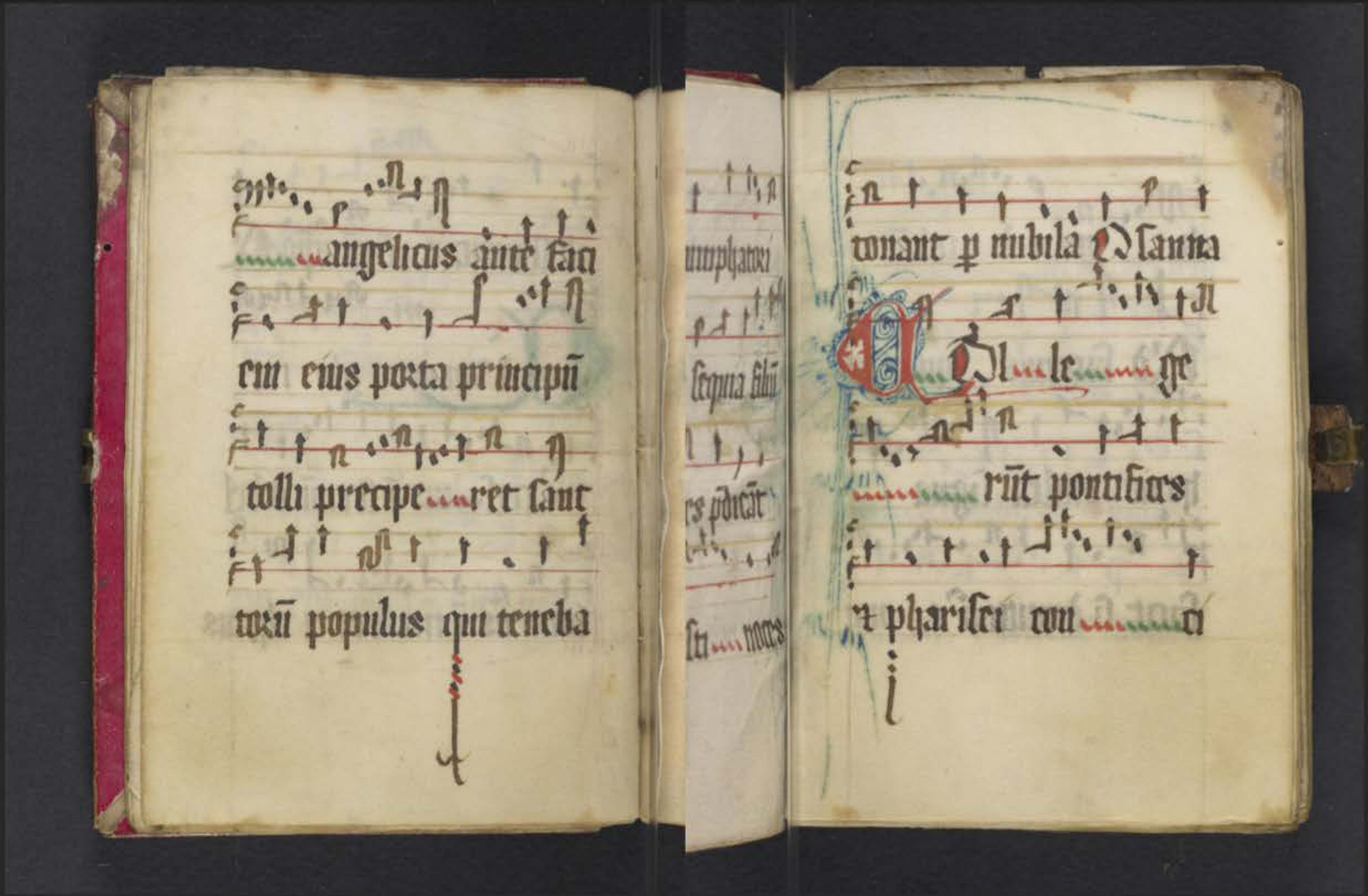
Tenth-century binding scrap *Inside back cover*

All Decorations

< DECORATIONS (63)



Close Overlay



12v | 3r Decorated initial C

VISCOLL

VisColl: Modeling and Visualizing the Physical Construction of Codex Manuscripts

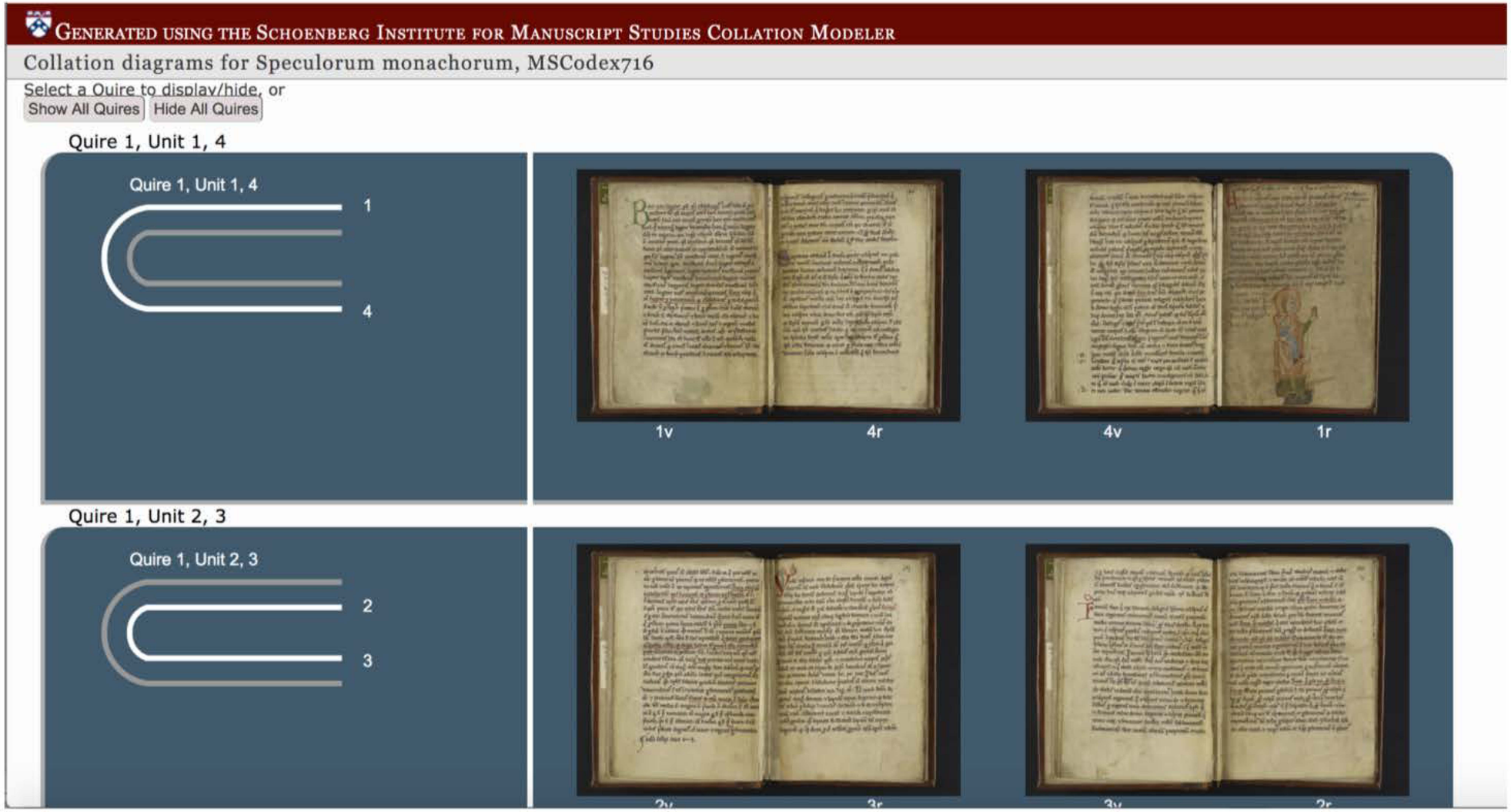
Home **About** **Collation** **Data Model** **How To** **Publications/Presentations**

VisColl (**Coll**ation **Vis**ualization) is a system for modeling and visualizing the physical collation of medieval manuscript codices. The Viscoll development team is centered at the Schoenberg Institute for Manuscript Studies (SIMS) at the University of Pennsylvania Libraries and is made possible through the support of SIMS. We are currently working on VisColl 2.0, to launch in Spring 2021.

For more information about VisColl please see the About page.

Viscoll

https://viscoll.org/



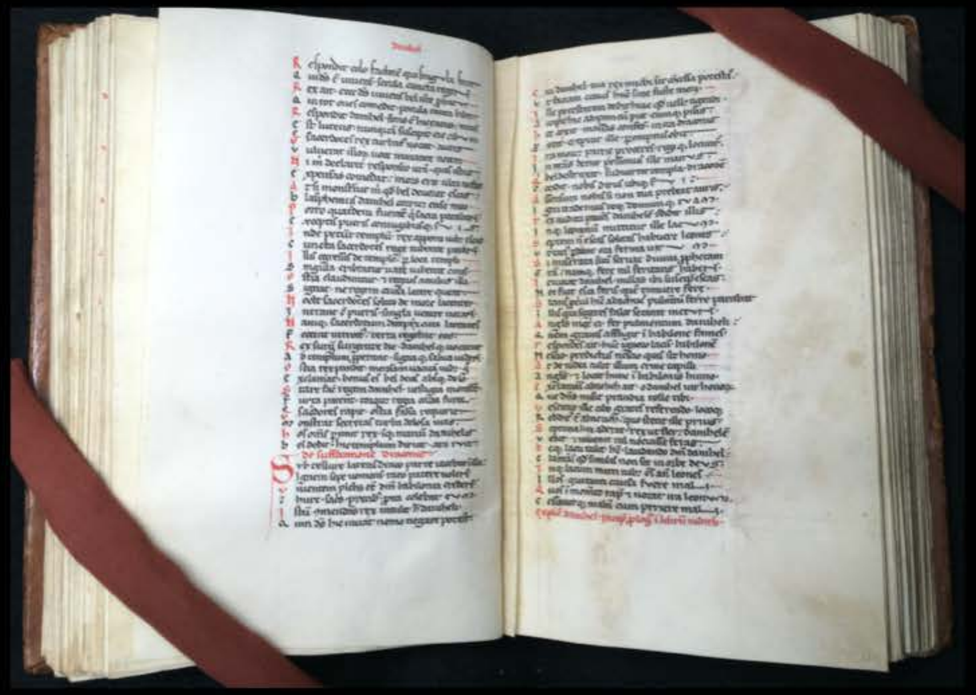
VisColl is a system for building models of the physical collation of manuscripts, and then visualizing them in various ways. The core of VisColl is the data model, which defines the structure of individual manuscripts and

"Vergil's Aeneid and the Mathematics of Bookmaking [MS E71]." *Inside Spencer: The KSRL Blog*. 26 Feb 2021.

https://blogs.lib.ku.edu/spencer/manuscript-of-the-month-vergils-aeneid-and-the-mathematics-of-bookmaking/

"The Making of a Medieval Codex [MS C195]." *Inside Spencer: The KSRL Blog*. 27 Oct 2020.

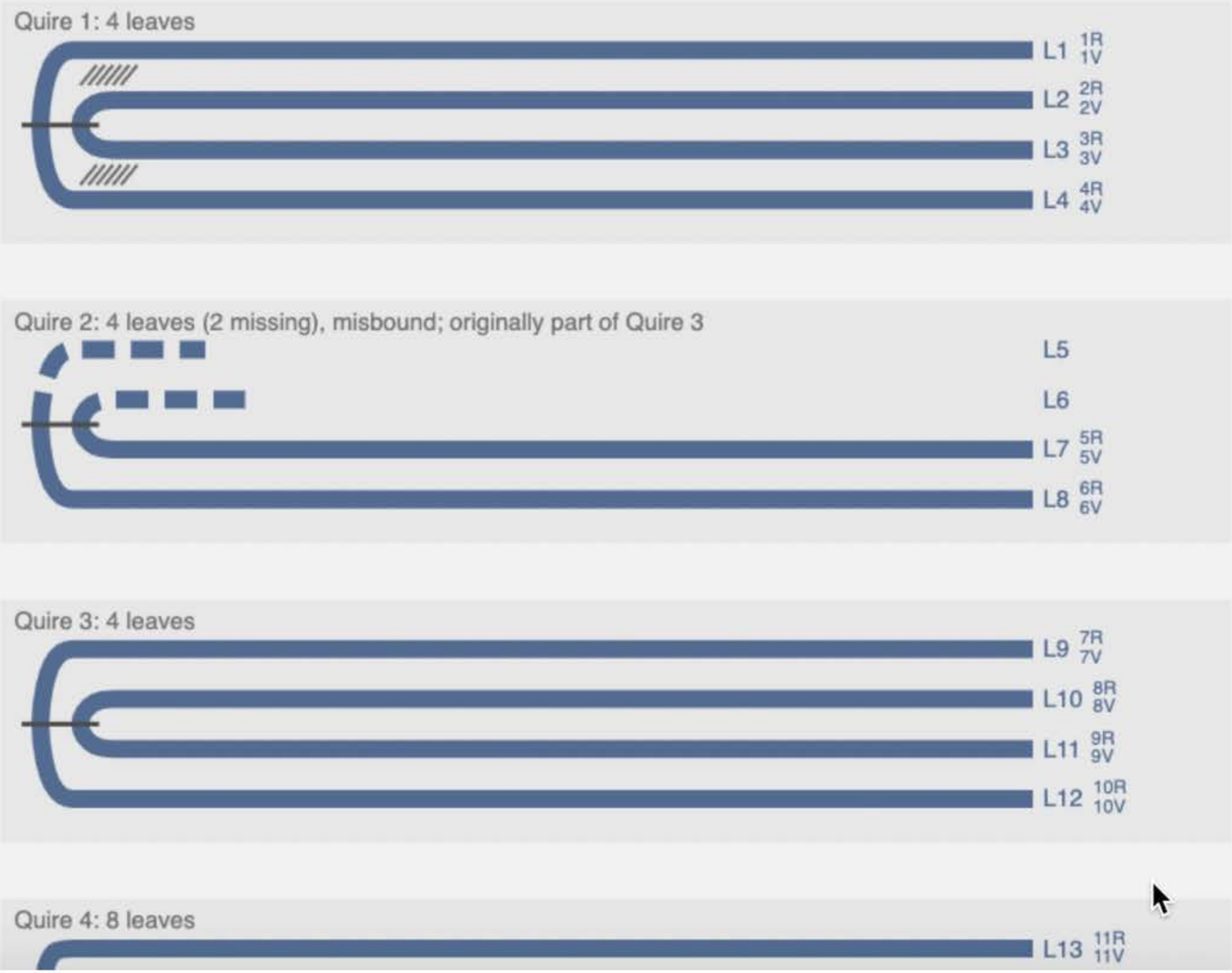
https://blogs.lib.ku.edu/spencer/manuscript-of-the-month-the-making-of-a-medieval-codex/



Collation formula of Lawrence, KS, University of Kansas, Kenneth Spencer Research Library, MS C195:

1^4 + 2^4 (wants 1 and 2) + 3^4 + 4^8 (2 and 7 are singletons) + 5^8 (2 and 7 are singletons) + 6^{10} (3 and 8 are singletons) + 7^8 (3 and 6 are singletons) + 8^8 (2 and 7 are singletons) + 9^8 + 10^{10} +11^{12} + 1 leaf after 10 + 12^8 + 1 leaf after 3 + 13-14^8 + 15^6 + 1 leaf after 1 + 16^8 + 17^8 (5 and 7 are singletons) + 18^8 (2 and 7 are singletons) + 19-20^8 + 21^8 (2 and 7 are singletons) + 22^8 + 23^8 (2 and 7 are singletons) + 24^2 + 1 leaf after 1 + 25-27^8 + 28^8 (2 and 7 are singletons) + 29^8 (2 and 7 are singletons) + 30^8 (2 and 7 are singletons) + 31^4 (wants 4).

Collation of Lawrence, University of Kansas, Kenneth Spencer Library, MS C195



Created using VisCodex.

https://viscodex.library.utoronto.ca/

Describing a Manuscript According to the TEI Guidelines