

# Digital Analysis of Chant Transmission

## DACT

PI: Jennifer Bain, Dalhousie University

Project Manager: Debra Lacoste, University of Waterloo



Social Sciences and Humanities  
Research Council of Canada

Conseil de recherches en  
sciences humaines du Canada

Canada

# Digital Analysis of Chant Transmission (DACT)

SSHRC, Partnership Development Grant

# DACT Partners

- Dalhousie University
- McGill University
- University of Manitoba
- University of Waterloo
- Fragmentarium
- Cantus Planus in Polonia
- Hungarian Chant Database
- Musica Hispanica
- Slovakian Early Music Database
- Centro de Estudos de Sociologia e Estética Musical

# DACT Co-Investigators

- Ichiro Fujinaga, McGill University
- Julie Cumming, McGill University
- Kate Helsen, Western University
- Mark Daley, Western University
- James Maiello, University of Manitoba

# DACT Collaborators

- Andrew Hankinson
- Michael Norton
- Elsa De Luca
- Inga Behrendt
- Sarah Ann Long
- Thomas Forrest Kelly
- Barbara Haggh-Huglo
- Terence Bailey
- Christoph Fluëler
- David Watt
- Christine McWebb
- Deantha Edmunds
- Janice Tulk

# Potential DACT Collaborators

- Catherine Bradley (Univ. of Oslo) - *Benedicamus Domino*
- Miriam Wendling (Leuven) - *Requiem Mass chants*
- Tim Crawford (Goldsmiths) - *similarity searches*
- Richard Haefer (Arizona State University) – *national databases*
- Morne Bezuidenhout (University of Cape Town)
- Dylan Robinson (Queen's University)
- Rebecca Shaw (University of Toronto)

# Objectives

~~I: Establish Cantus Digital Network (CDN)~~

I: Establish *Network Cantus*

# Objective I: Establish *Network Cantus*

Melody ID

OMR and MEI: SIMSSA and Cantus Ultimus

# Objective II: Address two gaps

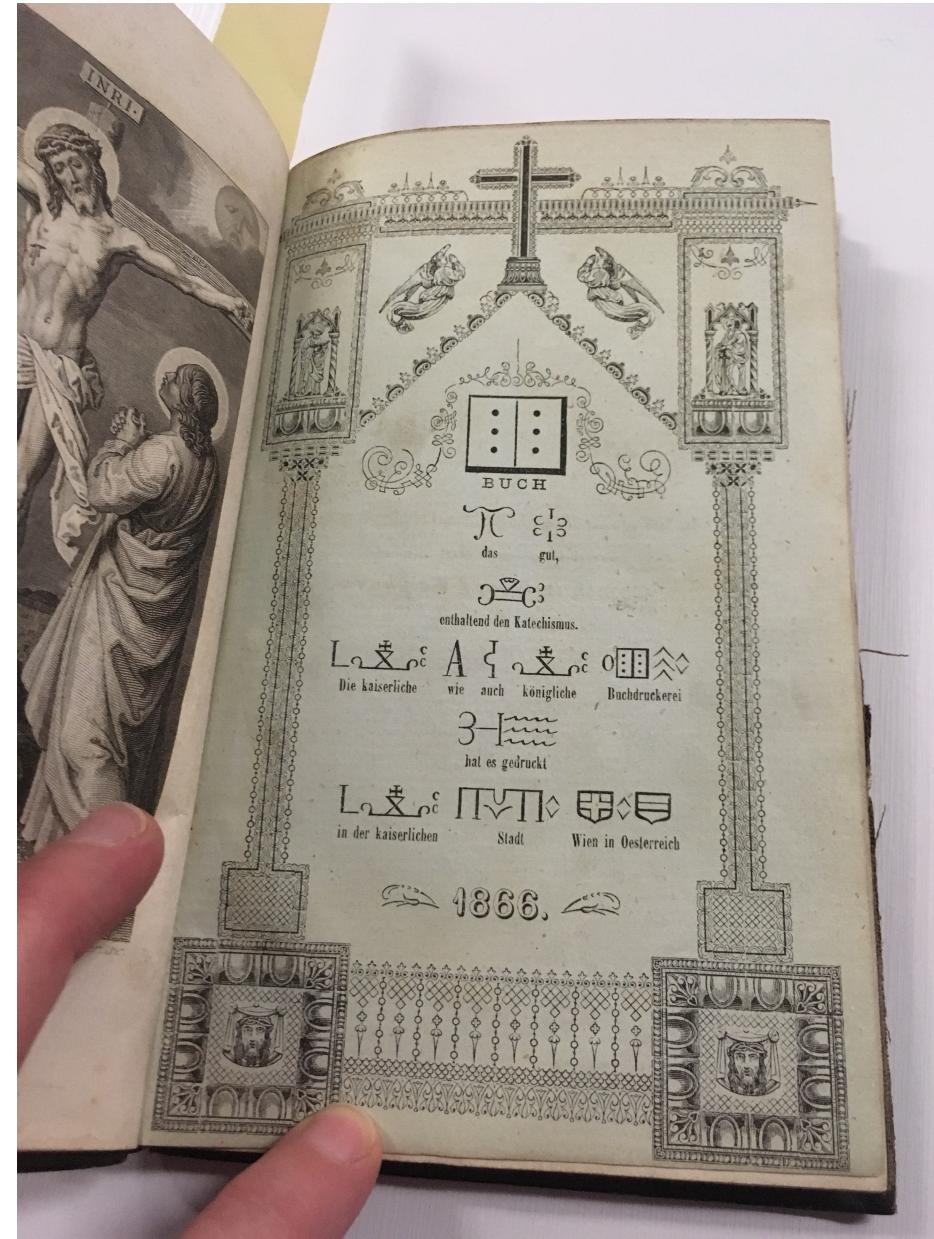
1. Transmission of chant outside of Europe
2. Transmission of chant through manuscript fragments

# 1: Transmission of chant outside Europe

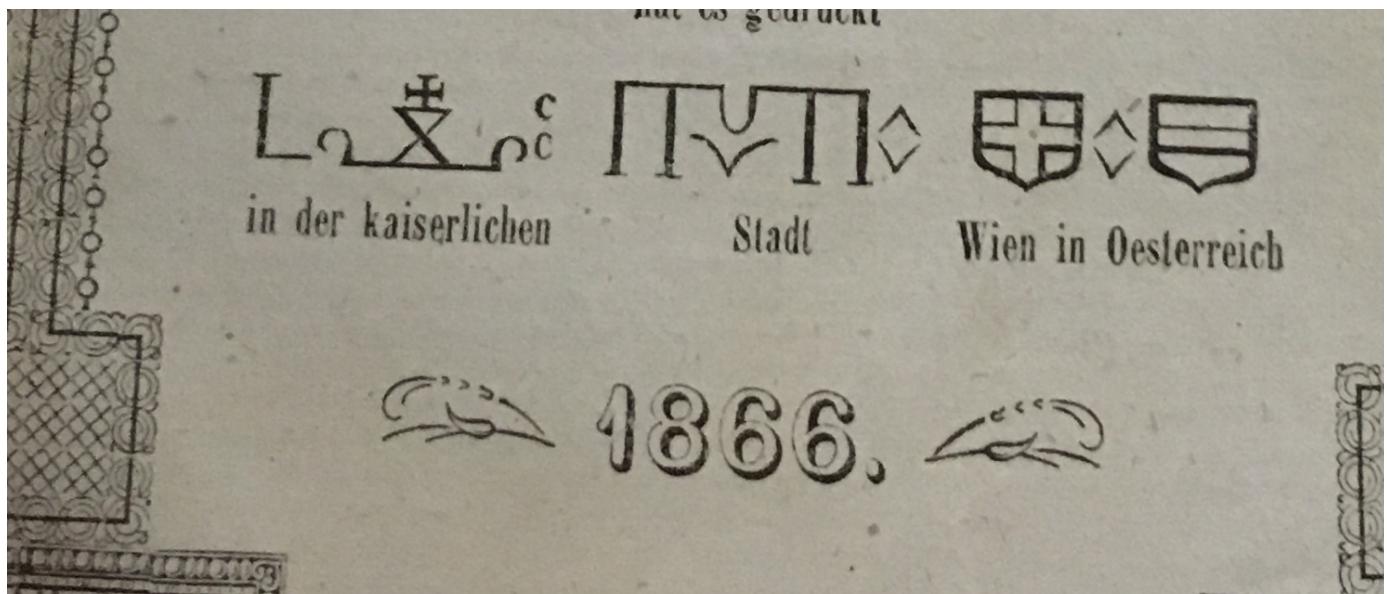
# Christian Kauder

## *Buch das Gut*

1866

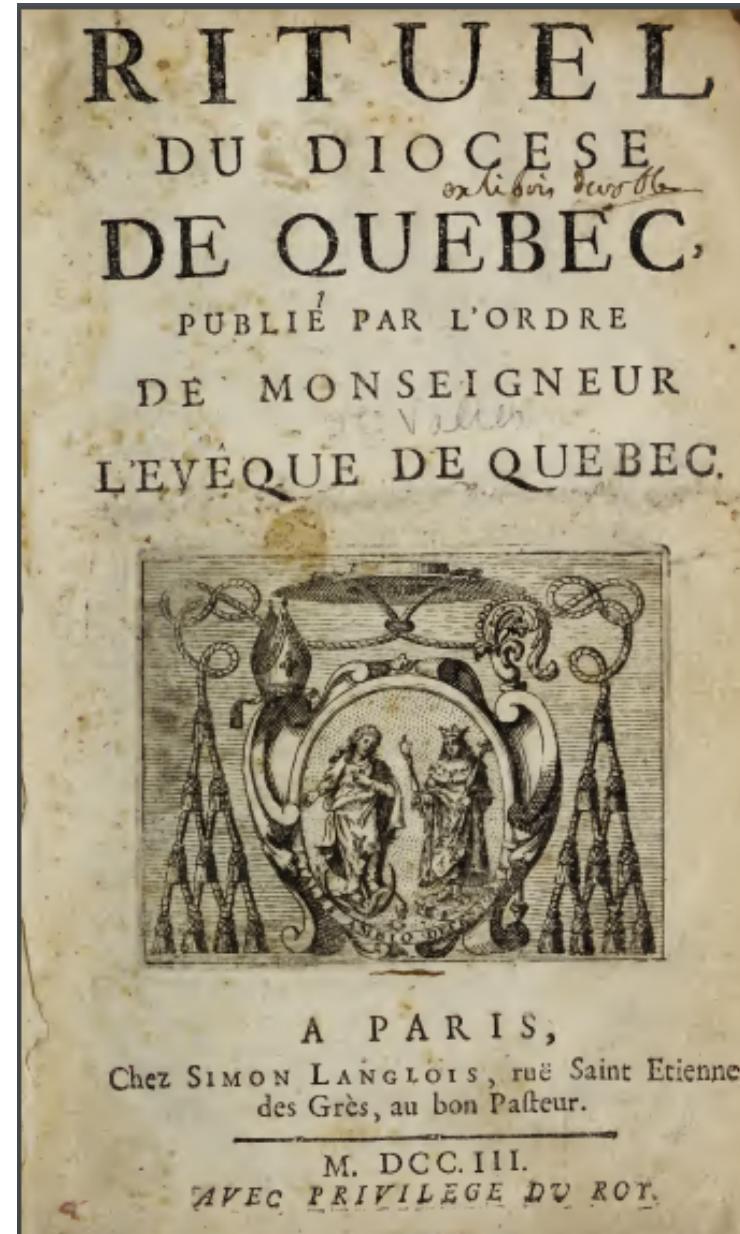


Christian  
Kauder  
*Buch das Gut*  
1866



*Rituel du  
Diocese de  
Quebec*

Paris, 1703



# Rituel du Diocese de Quebec

## Paris, 1703

### 350 BENEDICTION DE LA PREMIERE

Après le Cantique ceux ou celles qui auront donné le nom à la Cloche , présenteront un linge blanc au Prestre , qu'il mettra dessus la Cloche , dont elle demeurera couverte jusqu'à ce qu'on la mette au Clocher , à cause du respect qui est dû au Saint Chrême. S'ils ont la devotion de donner quelque voile plus riche & plus précieux , comme d'une étoffe de soye , ou de quelque autre chose semblable , pour être après employé à faire un Ornement à l'Eglise , on pourra l'accepter.

Ensuite le Clergé s'en retournera dans l'ordre qu'il sera venu.

### BENEDICTION DE LA PREMIERE

Pierre d'une Eglise.

Les Saints Canons défendent de bâtrir aucune Eglise ou Chapelle sans la permission de l'Èvêque , à qui il appartient d'en désigner le lieu , & de déterminer les fonds qu'on doit établir , tant pour le Luminaire , pour les Ornemens , pour l'Entretien de l'Eglise , que pour la Subsistante des Ministres qui la doivent de servir ,

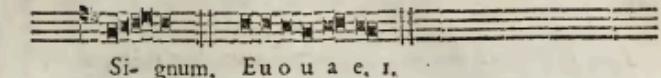
Le Prestre qui a permission de l'Èvêque de benir la première Pierre , étant revêtu de Surplis & d'une Etoille blanche accompagné au moins d'un Clerc , plantera la veille du jour de la benediction , une Croix de bois d'une grandeur considérable , au lieu où doit être le grand Autel ; & le lendemain fera en la maniere suivante la Benediction de la Pierre , qui doit estre solide , quarrée , angulaire , & d'un pan & deux en quarré pour le moins .

L'heure de la Benediction étant arrivée , le Prestre revêtu d'un Amit , d'une Aube , d'une Etoille , & d'une Chappe de couleur blanche , marchera processionnellement , c'est-à-dire precedé du Porte-Croix , de deux Ceroferaires , & de tout le Clergé en Surplis , & ira au lieu où la Croix aura été placée le jour précédent , & où la Benediction devra se faire . Un chacun y étant debout & décosse

### PIERRE D'UNE EGLISE:

351

vert , le Prestre entonnera l'Antienne Signum salutis .



Si- gnum. Eu ou a e. i.

Et pendant que le Chœur chantera le Pseaume suivant , l'Officiant aspergera le lieu où sera posé la Croix .

### PSEAUME 83.

Quam dilecta tabernacula Dómine Deus virtutum exaltata , Dómine , virtutum ! \* di orationem meam : \* auctibus concupiscit & deficit anima percipe Deus Jacob .

Protector noster áspice Deus : \*

& respice in faciem Christi tui .

Quia melior est dies una in atris tuis : \* super millia .

Elégia abjectus esse in domo

Dei mei : \* magis quam habita

tate in tabernaculis peccatorum .

Quia misericordiam , & veritatem dilit Deus : \* gratiam & gloriam dabit Dominus .

Non privabit bonis eos qui ambulant in innocentiâ : \* Dómine virtutum , beatus homo

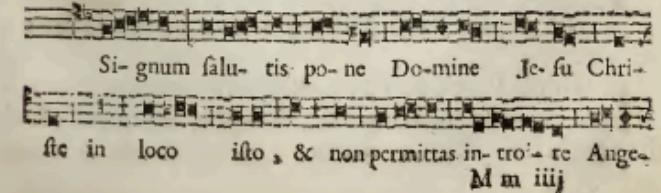
qui sperat in te .  
Beatus vir , cuius est auxilium abs te : \* ascensiones in corde suo dispositus , in valle lachrymarum , in loco quem posuit .

Etenim benedictionem dabit legislator , ibunt de vitiis in virtutem : \* videbitur Deus Deorum in Sion .

Glória Patri , & Filio , \* & Spiritui sancto .

Sicut erat in principio , & nunc , & semper : \* & in saecula saeculorum . Amen .

On repetera l'Antienne .



Si- gnum salu- tis po- ne Do-mine Je- su Chri-

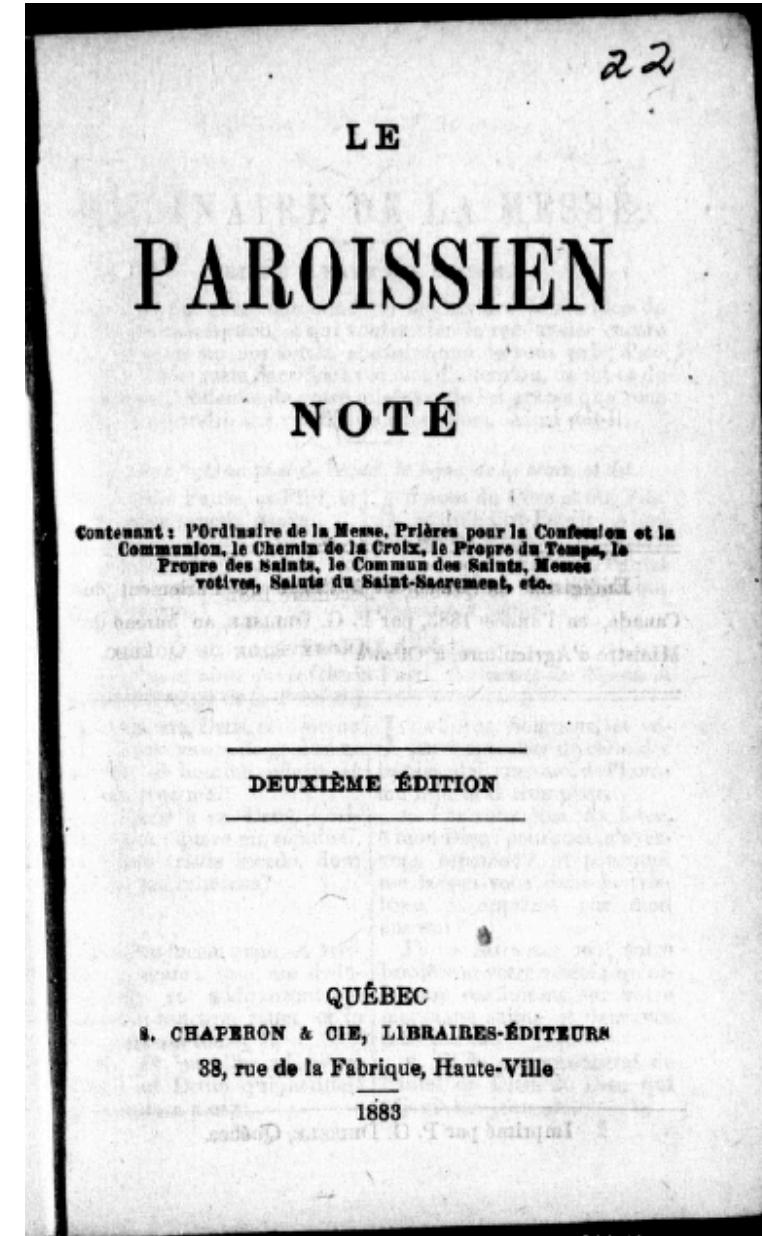
ste in loco isto , & non permitas in- tro- te Ange-

M m iiiij

*Le Paroissien  
Noté, 2<sup>nd</sup> edition*

Québec, 1883

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# Pacifique de Valigny

*Le Paroissien  
Micmac Noté*

1923

## MESGIG ALAMES

teli maoi alasotmapegiatimg.

### GRAND' MESSE

Elapaltimgeoeigtoq.

ASPERGES

La - pa - li - tesg nsag-mam i-sôp eo-menel  
na ogtji gasa-pa - ta - si-tes; gsis - pa - li-tesg, na ogtji ptji-  
li oa - pe - tes oas - teo Te-li mseigig gte-oli-tel - so-ti,  
Nis-gam, e - oli - telmin. Gepmi emtôgoalanetj Oegoisit  
ag Eogtjit ag Oe- tji-o - li Nisgam. Metj nigetj teli gpmi  
nsetogsitj ag mo poni-anotj elmi-ag gepmi nse-to - an.

INSTITUTE

Andrew  
Hankinson

*Salzinnes  
Antiphonal  
1554/55*

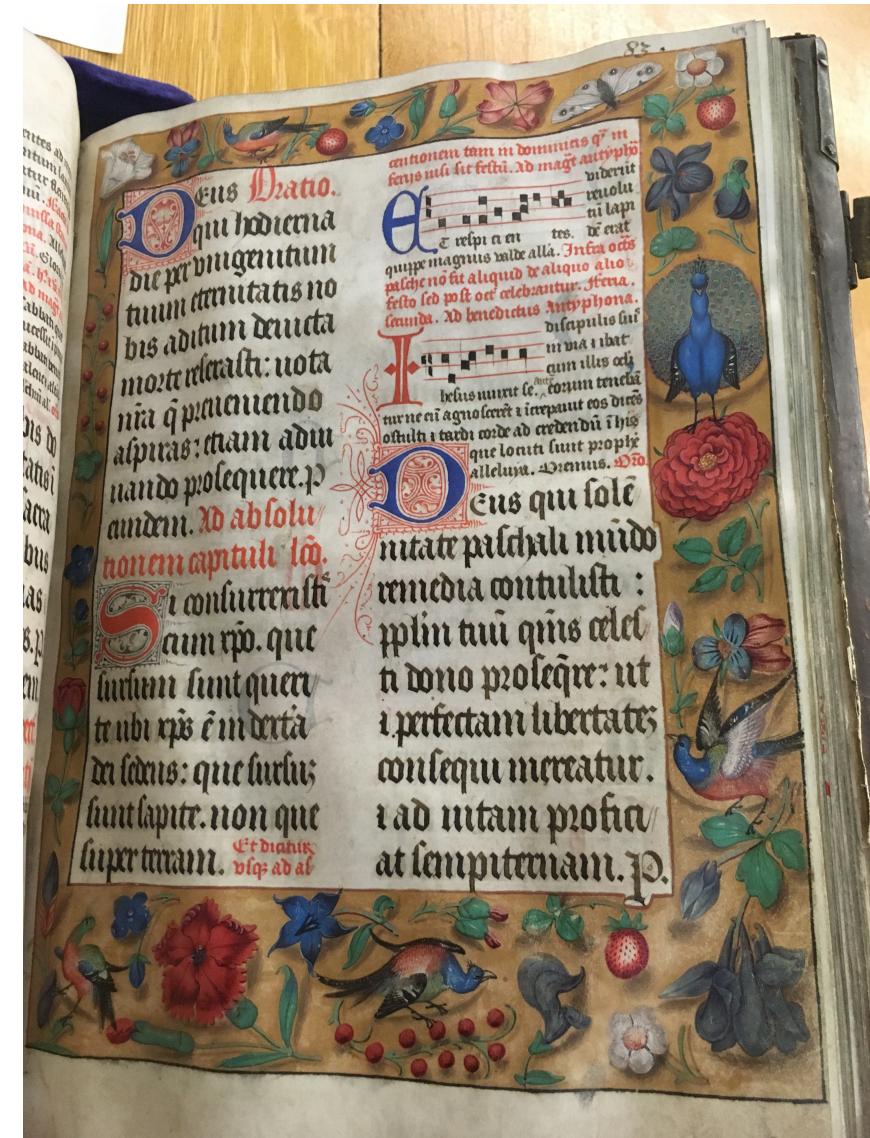
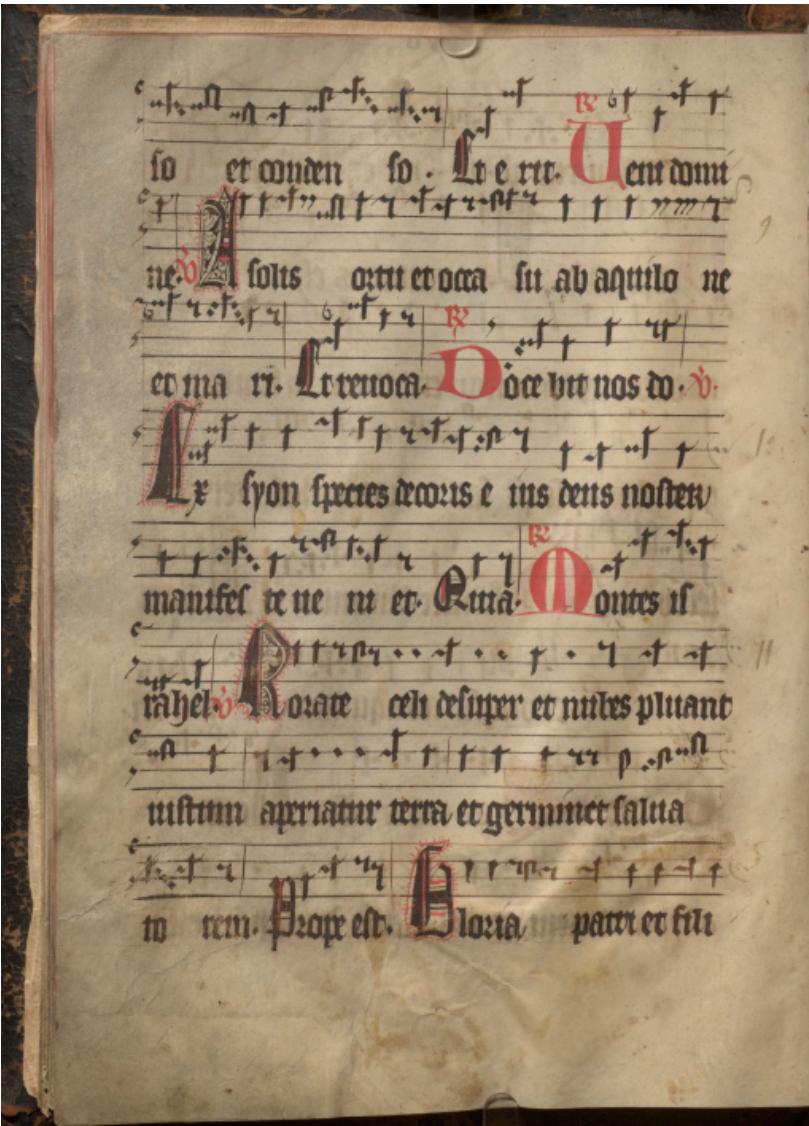
Art Gallery of  
Nova Scotia





Manuscript from the Cistercian Abbey  
near Herve, Belgium 1354-1355  
Ms. 209  
1 volume, leather over wood with  
gold-tooled decorations on the covers  
and spine, with silver and shell gold  
initials and headings.  
Patrick Power Library,  
Saint Mary's University, Halifax, Nova Scotia  
MS. 209

# McGill Rare Books Collection



How do we deal with these materials?

Build national chant  
databases in non-European countries

CANADIAN CHANT DATABASE

# Establish standards and protocols

- Orthographies
- Printed books
- Recordings

Rebecca Shaw, MLIS and MA Musicology  
“*The Canadian Chant Database: A Proposal*”

# Establish standards and protocols

- Indigenous materials
- Ethics
- Establishing relationships with communities
- Formal agreements

Fallen Matthews, PhD student

# Objective II: Address two gaps

2: Transmission of chant through MS fragments



## RARE MINIATURE medieval illuminated manuscript vellum leaf gothic 15th c

Condition: --

Time left: 5d 23h Tuesday, 9:52AM

Starting bid: **US \$2,800.00**

[ 0 bids ]

**Place bid**

Enter US \$2,800.00 or more

Best Offer:

**Make Offer**

Add to watch list

100% positive feedback

Shipping: **\$50.00** USPS Priority Mail International Flat Rate Envelope | [See details](#)

International items may be subject to customs processing and additional charges. [?](#)

Item location: Le Mans, France

Ships to: Worldwide

142.

et liberavit me de medio ignis,

et non sum astutus. **Sac**

**B**eatus Laurentius orabat

dicens: **H**aec tibi ago Domine,

quia januas tuas ingredi merui.

**L**euita Laurentius

bonum opus operatus est, qui

# Christoph Flüeler Fragmentarium.ms

## Fragmentarium

### Digital Research Laboratory for Medieval Manuscript Fragments

Fragmentarium enables libraries, collectors, researchers and students to publish images of medieval manuscript fragments, allowing them to catalogue, describe, transcribe, assemble and re-use them.



#### Case study 7: Fragments with Musical Notation in the Herzog August Bibliothek

The Wolfenbüttel collection – two boxes full of music – offers a comprehensive collection of liturgical manuscripts spanning the period from the eleventh to the early seventeenth century. Although at first glance many of the manuscripts seem rather sober, they provide candid testimony to the development of ecclesiastical libraries, even if only in a few cases their place of origin can be identified. Moreover, these documents record the liturgical practice, and through it, the cultural heritage of Central Europe. Antje Hoffmann (Weimar) received her MA in musicology in 2015. In addition to her studies, she has worked at the Free State of Thuringia Music Archive Weimar, the library of the University of Music FRANZ LISZT Weimar, and for several projects...

+ Show more



# Christoph Flüeler Fragmentarium.ms

 Search ...

All Fragmentarium

SEARCH &amp; BROWSE

PERSON &amp; PLACES ▾

ABOUT ▾

▼ Show Advanced Search

77 documents found

Refine your search

Selected Filters

 **Liturgica:** Antiphonar

Library / Collection

Country of Location

Text Language

Century

Dated

Liturgica

- Antiphonar (77)
- Benedictional (1)
- Bible (37)
- Book of hours (40)
- Breviary (38)
- Calendar (2)
- Collectarium (1)
- Epistolary (1)
- Evangelistary (2)
- Gospel book (2)

+ Show more

Material

Script Type

Decoration

Musical Notation

Quick Selection: -- please select --

**Antiphonary, Dominican use**

1 leaf · 1335 – 1340 CE · 54 cm

F-savf

**Permalink:** <https://fragmentarium.ms/overview/F-savf> <https://fragmentarium.ms/metadata/iiif/F-savf/manifest.json>

Cambridge, MA, Harvard University, Houghton Library, MS Typ 1002

Overview Facsimile Description

Online Since: 10/02/2018

**Antiphonary**

1 leaf · 1310 – 1315 CE · 56 cm

F-y6ua

**Permalink:** <https://fragmentarium.ms/overview/F-y6ua> <https://fragmentarium.ms/metadata/iiif/F-y6ua/manifest.json>

Cambridge, MA, Harvard University, Houghton Library, MS Typ 1003

Overview Facsimile Description

Online Since: 10/02/2018

**Gradual or antiphonary**

1 fragment · 1370 – 1380 CE · 8 x 9 cm

# Christoph Flüeler Fragmentarium.ms

Select manuscript from this collection: [K](#) [◀](#) F-ii4c, MS Typ 962 [▶](#) [M](#) 34/75



Harvard University, Houghton Library, ms. typ. 962-METS

## Antiphonary - Fragment

Parchment · 1 leaf · 1150 – 1250 CE · 35 cm

F-ii4c

Cambridge, MA, Harvard University, Houghton Library, MS Typ 962

**Permalink:** <https://fragmentarium.ms/overview/F-ii4c>

<https://fragmentarium.ms/metadata/iiif/F-ii4c/manifest.json>

## Image Rights:



## How to quote:

Antiphonary (fragment), Cambridge, MA, Harvard University, Houghton Library, MS Typ 962, (<https://fragmentarium.ms/overview/F-ii4c>)

**Online Since:** 02/19/2018

## Scholarly descriptions:

- Elena Iourtaeva, Houghton Library, 2018

[>Show description](#)



## Social Tags

There are no social tags for this document.

## Text Language:

Latin

## Script Type:

Gothic Script (generic)

## Liturgica:

Antiphonar

## Summary:

A single leaf beginning with the antiphon Veni, Sancte Spiritus.

# Lisa Fagin Davis, Gottschalk Antiphoner Lambach Abbey, Austria

<https://fragmentarium.ms/view/page/F-75ud/>

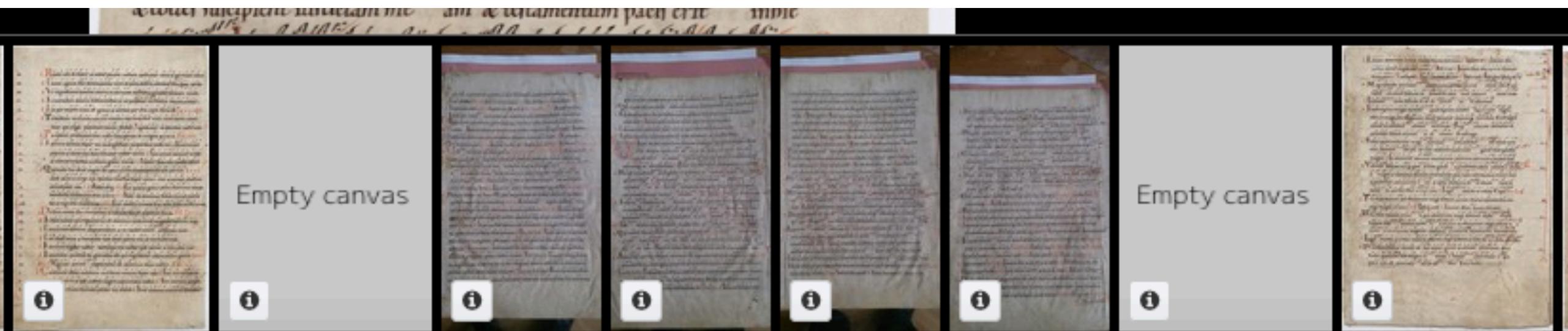
Gottschalk Antiphonal, Multiple, Dispersed Virtual Reconstruction, 1r

Agnit̄ t̄b̄a iñs̄yōn uocat̄ genit̄ ammūtate p̄ o pulis & d̄c̄m̄  
ceo deus saluator n̄f̄ ter ad ueni c̄. v̄ Annūciāt̄ m̄m̄ib̄s  
terre & innīt̄s que p̄oel̄ f̄nt̄ d̄ c̄. v̄ l̄ec̄d̄s.  
Aic̄s̄ma quāta d̄ c̄ dec̄m̄i m̄n̄s̄ iñuā d̄ tu d̄c̄t̄ dom̄ n̄s̄  
& m̄rāt̄ uob̄s̄ saluat̄o r̄e & p̄p̄gn̄. rem p̄v̄o b̄s̄ qui n̄f̄ p̄e  
ce d̄ar & introduc̄r̄ inter̄ ram quām̄ iñuā pā tr̄ib̄s̄  
uef̄tr̄s̄. v̄ L̄go sum̄ d̄s̄ deus uester qui ed̄ux̄ uos d̄ter n̄c̄ gyp̄. u. In.  
Non anteretur sc̄p̄rum̄ de m̄da & d̄x̄ de f̄cm̄re cui⁹ donc ueni ac̄  
qui m̄t̄end̄d̄t̄ est̄ & p̄sp̄e r̄t̄ expef̄atio ḡm̄. v̄ P̄ulch̄rio res  
f̄nt̄ oculi cui⁹ uno & d̄m̄res̄ eis̄ laet̄o can̄ d̄di or̄s̄. Ep̄ip̄se  
Me oportet̄ minui illam autem eret̄ re qui post̄ me uenit̄ aut̄  
me fac̄m̄ est̄ cui⁹ non sum̄ dignus corri glam calciāmēt̄  
cui⁹ solue re. v̄ H̄o est̄ testimoniūm̄ quod phib̄ut̄ iñham̄ Quip̄. I u. u.  
Ecc̄ iam̄ uē m̄r̄ plēmād̄o tempo ris iniqua v̄ Beib̄chen n̄m̄.  
mit̄ deus filium suum in terris n̄cum de uirgine fac̄t̄um̄ s̄ubile ge  
ūc̄f̄ qui subileḡ erant̄ re diueres̄. v̄ Prop̄e et̄ ut uenat̄ tempus  
cui⁹ eis̄ cui⁹ non e longabūnt̄. h̄c̄os̄ qui subileḡ erant̄ red̄.  
V̄rgo m̄abel reuert̄ere incūraret̄ tu at̄ usq̄ quo dolens auerte ris gene  
r̄ab̄s̄ dom̄ n̄s̄ saluat̄o rem oblationem nouam inter̄a ambulabūnt̄ ho  
min̄c̄ in saluatio nem̄. v̄ Kolis̄ or̄tu Ambul̄ T̄ur̄ v̄ solis̄ or̄tu T̄est̄.  
I uāni d̄ier̄ dominus ut̄ ultra iñ uāni non iras̄car super̄ terrām̄ montēc̄m̄  
& collet̄ suscip̄ente iñst̄er̄iam̄ me am̄ & testamēt̄um̄ p̄aſ̄ erit̄ m̄bie

Empty canvas

Empty canvas

# Lisa Fagan Davis, *Gottschalk Antiphoner* Lambach Abbey, Austria



# Lisa Fagin Davis, Gottschalk Antiphoner Lambach Abbey, Austria

The screenshot shows a web browser displaying the CANTUS database. The URL in the address bar is [cantus.uwaterloo.ca/source/123609](http://cantus.uwaterloo.ca/source/123609). The page title is "Gottschalk Antiphoner (fragments)". The header includes links for HOME, ABOUT, SOURCES, CHANTS, FEASTS, TERMS, and RESOURCES. A sidebar on the right contains a search bar and a section for "GOTTSCHALK" with options to select a folio and feast, and links to view all chants, search, analyze, and export. The main content area contains sections for "Siglum", "Summary", "Liturgical occasions", "Description", and "Provenance". The "Summary" section describes the manuscript as a late twelfth-century antiphoner from Lambach Abbey, Austria, with neumatic notation, text, illuminations, and notation by Gottschalk of Lambach. It notes it was dismantled in the late 15th century and fragments dispersed. The "Liturgical occasions" section lists specific feast days and periods. The "Description" section states the index is reconstructed from fragments. The "Provenance" section identifies the manuscript as belonging to Lambach Abbey, dated to the 12th century (c. 1100s), with a monastic cursus.

Not Secure | cantus.uwaterloo.ca/source/123609

**CANTUS** A Database for Latin Ecclesiastical Chant

**Gottschalk Antiphoner (fragments)**

[View](#) [Edit](#)

**Siglum:**  
GOTTSCHALK

**Summary:**  
Late twelfth-century antiphoner from Lambach Abbey, Austria. Neumatic notation. Text, illuminations, and notation by Gottschalk of Lambach. Monastic cursus. Dismantled in the late 15th century and fragments dispersed for various uses. 30 surviving folios. 33.4 x 24.4 (23.8 x 16.5) cm.

**Liturgical occasions:**  
Ff. 11-61: Winter Temporale and Sanctorale. 11-12, Fourth Sunday of Advent to Friday of fourth week of Advent; lacuna; 21-22, Stephen and John the Evangelist; lacuna; 32-37, Epiphany to Wednesday of Ferial Office; lacuna; 42-47, Agatha, Scholastica, Peter's Chair, Gregory, Benedict, and Annunciation; lacuna; 52-53, Sexagesima, Quinquagesima (incomplete) to Ash Wednesday; lacuna; 55-57; First to Third Sundays of Lent; lacuna; 61, Maundy Thursday and Good Friday; lacuna. Ff. 72-111: Summer Temporale and Sanctorale. 72, Easter Sunday to Easter Monday; lacuna; 77, Easter Friday to Wednesday after Octave of Easter; lacuna; 81, Sundays in Eastertide and Rogation Days; lacuna; 91, Afra; lacuna; 101-102, Nativity of Mary, Exaltation of the Cross; lacuna; 111, Andrew; lacuna; 121, Lucy, Thomas the Apostle. Ff. 121-131: Common of Saints. 121, Evangelists and Apostles; lacuna; 131, Virgins (incomplete).

**Description:**  
The present index has been reconstructed from fragments of the manuscript in six different libraries. Reproductions of all surviving folios included in the index may be found in the dissertation.

**GOTTSCHALK**

Select a folio: Select a feast:

» View all chants » View full index » CSV export  
» Search chants in this manuscript  
» Search melodies in this manuscript  
» Analyse this manuscript (Cantus Analysis Tool)

**CANTUS Database**  
**GOTTSCHALK**

Provenance: **Lambach Abbey**  
Date **12th century | 1100s**  
Cursus: **Monastic**  
Indexed by:

- **Lisa Fagin Davis**  
Yale University

Proofreader/s :

- **Charles Downey**

The index for GOTTSCHALK was prepared by Lisa Fagin Davis with editorial assistance from Charles Downey (The Catholic University of America).  
Source status: **Published / Complete**

# Lisa Fagin Davis, Gottschalk Antiphoner

## Lambach Abbey, Austria

← → ⌂ ⓘ Not Secure | cantus.uwaterloo.ca/index?source=123609

### CANTUS Manuscript Index: Gottschalk Antiphoner (fragments)

The source index contains 1357 chants.

Siglum	Marg	Folio	Seq	Feast	Office	Genre	Pos	Incipit	Cantus ID	Mode	Diff	Concordances
GOTTSCHALK		011r	1	Dom. 4 Adventus	M	R	1.1	<a href="#">Canite tuba in Sion vocate</a>	006265	1	a	CGBEMVHRDFSL
GOTTSCHALK		011r	2	Dom. 4 Adventus	M	V	01	<a href="#">Annuntiate in finibus terrae</a>	006265b	1	a	G DF
GOTTSCHALK		011r	3	Dom. 4 Adventus	M	R	1.2	<a href="#">Vigesima quarta die decimi</a>	007886	7	yc	CGBEMVHRDF L
GOTTSCHALK		011r	4	Dom. 4 Adventus	M	V	01	<a href="#">Ego sum dominus deus vester</a>	007886a	7	yc	CGBEMVHRDF
GOTTSCHALK		011r	5	Dom. 4 Adventus	M	R	1.3	<a href="#">Non auferetur sceptrum de</a>	007224	2	e	CGBEMVHRDFSL
GOTTSCHALK		011r	6	Dom. 4 Adventus	M	V	01	<a href="#">Pulchriores sunt oculi ejus</a>	007224a	2	e	CGBEMVHRDFSL
GOTTSCHALK		011r	7	Dom. 4 Adventus	M	R	1.4	<a href="#">Me oportet minui illum autem</a>	007137	3	i	CGBEMVHRDFSL
GOTTSCHALK		011r	8	Dom. 4 Adventus	M	V	01	<a href="#">Hoc est testimonium quod</a>	007137a	3	i	CGBEMVHRD
GOTTSCHALK		011r	9	Dom. 4 Adventus	M	A	2.	<a href="#">Bethleem non*</a>	001737	4	*	GB V R FSL
GOTTSCHALK		011r	10	Dom. 4 Adventus	M	R	2.1	<a href="#">Ecce jam veniet plenitudo</a>	006596	5	vb	CGBEMVHRDFSL
GOTTSCHALK		011r	11	Dom. 4 Adventus	M	V	01	<a href="#">Prope est ut veniat tempus</a>	006596a	5	vb	CGBEMVHR S
GOTTSCHALK		011r	12	Dom. 4 Adventus	M	R	2.2	<a href="#">Virgo Israel revertere in</a>	007903	8	w	CGBEMVHRDFSL
GOTTSCHALK		011r	13	Dom. 4 Adventus	M	V	01	<a href="#">A solis ortu*</a>	007903a	8	w	C BEMVHR
GOTTSCHALK		011r	14	Dom. 4 Adventus	M	R	2.3	<a href="#">Juravi dicit dominus ut ultra</a>	007045	8	w	CGBEMVHRDFSL
GOTTSCHALK		011r	15	Dom. 4 Adventus	M	V	01	<a href="#">Juxta est salus mea ut</a>	007045b	8	w	G DFSL
GOTTSCHALK		011r	16	Dom. 4 Adventus	M	V	02	<a href="#">A solis ortu*</a>	007045a	8	w	C BEMVHR
GOTTSCHALK		011r	17	Dom. 4 Adventus	M	R	2.4	<a href="#">Non discedimus a te</a>	007227	8	w	CGBEMVHRDFSL
GOTTSCHALK		011r	18	Dom. 4 Adventus	M	V	01	<a href="#">Domine deus virtutum converte</a>	007227a	8	w	CGBEMVHRD S
GOTTSCHALK		011v	1	Dom. 4 Adventus	M	A	3.	<a href="#">Ecce in nubibus caeli filius</a>	002516	1	*	CG EMVH D

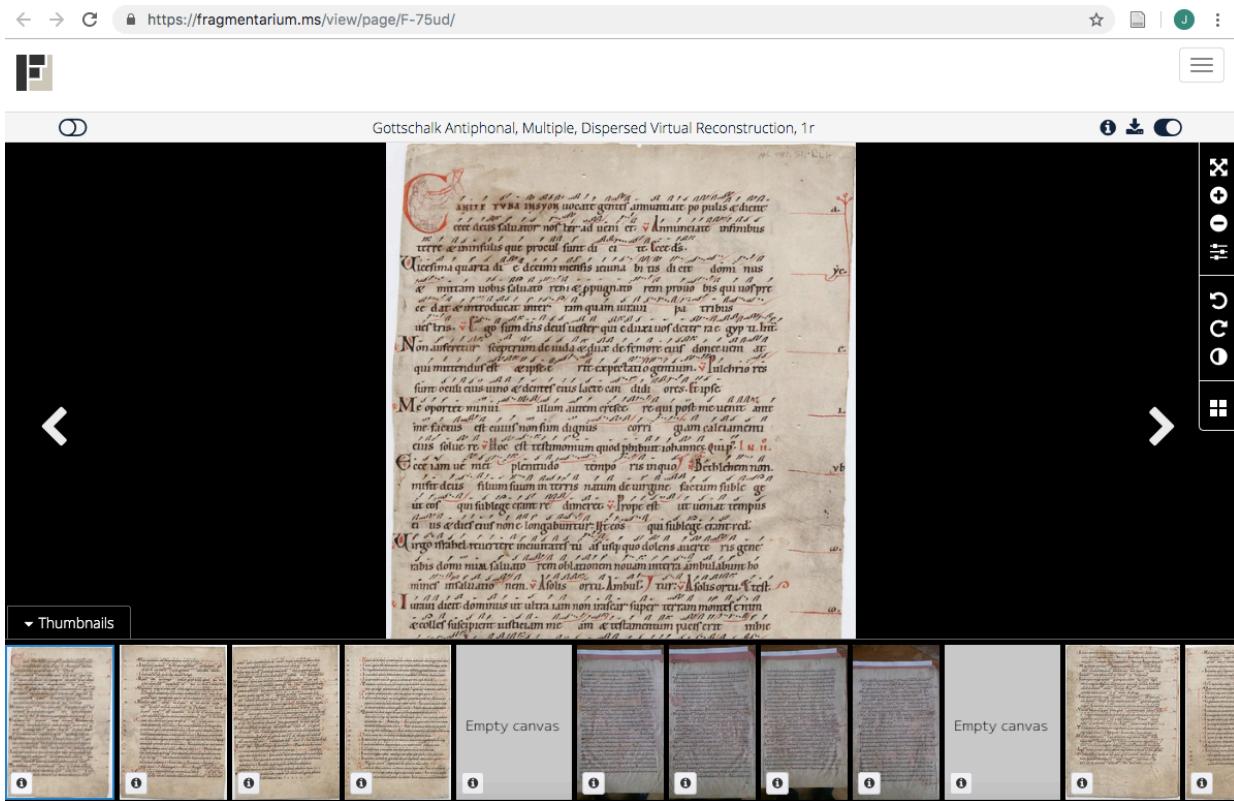
# Bring together catalogue and images?

Not Secure | cantus.uwaterloo.ca/index?source=123609

CANTUS Manuscript Index: Gottschalk Antiphoner (fragments)

The source index contains 1357 chants.

Siglum	Marg	Folio	Seq	Feast	Office	Genre	Pos	Incipit	Cantus ID	Mode	Diff	Concordances
GOTTSCHALK	011r	1	Dom. 4 Adventus		M	R	1.1	Canite tuba in Sion vocate	006265	1	a	CGBEMVHRDFSL
GOTTSCHALK	011r	2	Dom. 4 Adventus		M	V	01	Annumitate in finibus terrae	006265b	1	a	G DF
GOTTSCHALK	011r	3	Dom. 4 Adventus		M	R	1.2	Vigesima quarta die decimi	007886	7	yc	CGBEMVHRDF L
GOTTSCHALK	011r	4	Dom. 4 Adventus		M	V	01	Ego sum dominus deus vester	007886a	7	yc	CGBEMVHRDF
GOTTSCHALK	011r	5	Dom. 4 Adventus		M	R	1.3	Non auferetur sceptrum de	007224	2	e	CGBEMVHRDFSL
GOTTSCHALK	011r	6	Dom. 4 Adventus		M	V	01	Pulchriores sunt oculi ejus	007224a	2	e	CGBEMVHRDFSL
GOTTSCHALK	011r	7	Dom. 4 Adventus		M	R	1.4	Me oportet minui illum autem	007137	3	i	CGBEMVHRDFSL
GOTTSCHALK	011r	8	Dom. 4 Adventus		M	V	01	Hoc est testimonium quod	007137a	3	i	CGBEMVHRD
GOTTSCHALK	011r	9	Dom. 4 Adventus		M	A	2.	Bethleem non*	001737	4	*	GB V R FSL
GOTTSCHALK	011r	10	Dom. 4 Adventus		M	R	2.1	Ecce jam veniet plenitudo	006596	5	vb	CGBEMVHRDFSL
GOTTSCHALK	011r	11	Dom. 4 Adventus		M	V	01	Prope est ut veniat tempus	006596a	5	vb	CGBEMVHR S
GOTTSCHALK	011r	12	Dom. 4 Adventus		M	R	2.2	Virgo Israel revertere in	007903	8	w	CGBEMVHRDFSL
GOTTSCHALK	011r	13	Dom. 4 Adventus		M	V	01	A solis ortu*	007903a	8	w	C BEMVHR
GOTTSCHALK	011r	14	Dom. 4 Adventus		M	R	2.3	Juravi dicit dominus ut ultra	007045	8	w	CGBEMVHRDFSL
GOTTSCHALK	011r	15	Dom. 4 Adventus		M	V	01	Juxta est salus mea ut	007045b	8	w	G DFSL
GOTTSCHALK	011r	16	Dom. 4 Adventus		M	V	02	A solis ortu*	007045a	8	w	C BEMVHR
GOTTSCHALK	011r	17	Dom. 4 Adventus		M	R	2.4	Non discedimus a te	007227	8	w	CGBEMVHRDFSL
GOTTSCHALK	011r	18	Dom. 4 Adventus		M	V	01	Domine deus virtutum converte	007227a	8	w	CGBEMVHRD S
GOTTSCHALK	011v	1	Dom. 4 Adventus		M	A	3.	Ecce in rubibus caeli filius	002516	1	*	CG EMVH D
GOTTSCHALK	011v	2	Dom. 4 Adventus		M	R	3.1	Et iuueni quantus sit iste	006983	3	*	CGBEMVHRDF L
GOTTSCHALK	011v	3	Dom. 4 Adventus		M	V	01	Et dominabitur a mari usque	006983a	3	*	C BEMVHRD
GOTTSCHALK	011v	4	Dom. 4 Adventus		M	R	3.2	Radix Jesse qui exsurget	007508	8	w	CGBEMVHRDFSL
GOTTSCHALK	011v	5	Dom. 4 Adventus		M	V	01	Deus a Libano*	007508zc	8	w	
GOTTSCHALK	011v	6	Dom. 4 Adventus		M	R	3.3	Egredietur virga de radice	006641	1	a	C BEMVHR FS
GOTTSCHALK	011v	7	Dom. 4 Adventus		M	V	01	Et requiescat super eum	006641a	1	a	MV R FS
GOTTSCHALK	011v	8	Dom. 4 Adventus		M	R	3.4	Nascetur nobis parvulus et	007195	7	yb	GBEMVHRDFSL
GOTTSCHALK	011v	9	Dom. 4 Adventus		M	V	01	Ecce advent dominator	007195a	7	yb	BEMVHRD
GOTTSCHALK	011v	10	Dom. 4 Adventus		L	A	1	Canite tuba in Sion quia	001757	1	a	CGBEMVHRDFSL
GOTTSCHALK	011v	11	Dom. 4 Adventus		L	A	2	Ecce veniet desideratus	002548	1	a	CGBEMVHRDFSL
GOTTSCHALK	011v	12	Dom. 4 Adventus		L	A	3	Erunt prava in directa et	002676	1	ag	CGBEMVHRDFSL
GOTTSCHALK	011v	13	Dom. 4 Adventus		L	A	4	Dominus veniet occurrit illi	002423	1	a	CGBEMVHRDFSL
GOTTSCHALK	011v	14	Dom. 4 Adventus		L	A	5	Omnipotens sermo tuus domine	004144	2	e	CGBEMVHRDFSL
GOTTSCHALK	011v	45	Dom. 4 Adventus		L	A	-	Omnipotens	007242	-	*	CG BEMVHR



# Cantus Ultimus: cantus.simssa.ca

← → ⌂ https://cantus.simssa.ca/manuscript/38/?folio=020v&chant=5

Cantus Ultimus > St-Maur-F, F-Pn lat. 12044

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- + Zoom level: 2.00

Folio 020v (44 of 491) 44 Go Manuscript info

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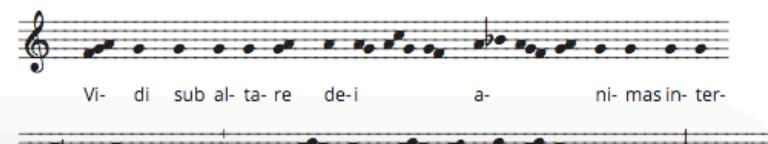
Folio 020v Search Manuscript

Vidi sub altare dei animas

**Cantus ID:** 007879  
**Sequence:** 5  
**Feast:** Nat. Innocentium  
**Office:** Matins  
**Genre:** Responsory  
**Mode:** 8

Full Text

Vidi sub altare dei animas interactorum propter verbum dei et propter testimonium quod habebant et clara voce dicebant vindica domine sanguinem nostrum qui effusus est



# Next steps

## **Chant fragments already on Fragmentarium:**

- Inventory on Cantus Database (full text and music)

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## **Bring together on Cantus Ultimus**

## **Launch Social Media campaign**

# Jennifer Bain, Dalhousie University

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Social Sciences and Humanities  
Research Council of Canada

Conseil de recherches en  
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# Fragments

Jennifer Bain, Dalhousie University



Social Sciences and Humanities  
Research Council of Canada

Conseil de recherches en  
sciences humaines du Canada

Canada

# Plan for Fragments

# Fragmentarium - Phase 1

## Fragmentarium

### Digital Research Laboratory for Medieval Manuscript Fragments

Fragmentarium enables libraries, collectors, researchers and students to publish images of medieval manuscript fragments, allowing them to catalogue, describe, transcribe, assemble and re-use them.



#### Case study 7: Fragments with Musical Notation in the Herzog August Bibliothek

The Wolfenbüttel collection – two boxes full of music – offers a comprehensive collection of liturgical manuscripts spanning the period from the eleventh to the early seventeenth century. Although at first glance many of the manuscripts seem rather sober, they provide candid testimony to the development of ecclesiastical libraries, even if only in a few cases their place of origin can be identified. Moreover, these documents record the liturgical practice, and through it, the cultural heritage of Central Europe. Antje Hoffmann (Weimar) received her MA in musicology in 2015. In addition to her studies, she has worked at the Free State of Thuringia Music Archive Weimar, the library of the University of Music FRANZ LISZT Weimar, and for several projects...

+ Show more



# Fragmentarium - Phase 2



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All Fragmentarium

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Descriptions 1

Case Studies

Transcriptions

Fields marked with one star (\*) are required for **saving/adding** a document. Fields marked with two stars (\*\*) are required for **publishing** a document.

Fragment Title: \*\*

Test fragment

Fragment Subtitle:

Material: \*\*

Parchment

Place of Origin:



## IIIF Manifests (669)

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Q Search Manifest Metadata

⤒ Attribution (Manifest Source)	Label	Description	URL
Bibliothèque nationale de France	BnF. Département des manuscrits. Latin 9378	Fragments de manuscrits.	<a href="https://gallica.bnf.fr/iiif/ark:/12148/btv1b10035938j/f1.item/manifest.json">https://gallica.bnf.fr/iiif/ark:/12148/btv1b10035938j/f1.item/manifest.json</a>
Bibliothèque nationale de France	BnF. Département des manuscrits. NAL 2318	Fragments de manuscrits latins, parmi lesquels on doit citer quatre morceaux d'un petit manuscrit de l'abrégué du Bréviaire d'Alaric par Aegidius, du VIII e ou du IX e siècle, trouvés dans la couverture du volume qui forme aujourd'hui le n° 23144 du fonds français (jadis n° 137 de Notre-Dame).	<a href="https://gallica.bnf.fr/iiif/ark:/12148/btv1b105485233/manifest.json">https://gallica.bnf.fr/iiif/ark:/12148/btv1b105485233/manifest.json</a>
Bibliothèque nationale de France	BnF. Département des Manuscrits. Latin 9377	Fragments de manuscrits recueillis par Oberlin.	<a href="https://gallica.bnf.fr/iiif/ark:/12148/btv1b9066120x/manifest.json">https://gallica.bnf.fr/iiif/ark:/12148/btv1b9066120x/manifest.json</a>
[no attribution]	Fragmente niederländischer Gedichte		<a href="https://content.staatsbibliothek-berlin.de/dc/637427750/manifest">https://content.staatsbibliothek-berlin.de/dc/637427750/manifest</a>
Digitale Landesbibliothek Oberösterreich	[Handschriften-Fragment], lat.	[Corporis Christi Sq:] [Lauda Sion salvatorem ...] Laudis thema specialis ... nos tuere tu nos bon[a fac] (Can g01130; AH 50 Nr. 385, hier Str. 2a-11a, wobei Str. 6b bei der Makulierung ausgeschnitten ist, Teile von Str. 3a-3b und 8b-9b von der Rückenüberklebung versteckt sind).	<a href="https://digi.landesbibliothek.at/viewer/rest/iiif/manifests/AC15297887/manifest">https://digi.landesbibliothek.at/viewer/rest/iiif/manifests/AC15297887/manifest</a>



Harvard University, Houghton Library, ms. typ. 962-METS

## Antiphonary - Fragment

Parchment · 1 leaf · 1150 – 1250 CE · 35 cm

F-ii4c

Cambridge, MA, Harvard University, Houghton Library, MS Typ 962

**Permalink:** <https://fragmentarium.ms/overview/F-ii4c>

 <https://fragmentarium.ms/metadata/iiif/F-ii4c/manifest.json>

### Image Rights:



### How to quote:

Antiphonary (fragment), Cambridge, MA, Harvard University, Houghton Library, MS Typ 962, (<https://fragmentarium.ms/overview/F-ii4c>)

**Online Since:** 02/19/2018

### Scholarly descriptions:

- Elena Iourtaeva, Houghton Library, 2018

 Show description



### Social Tags

There are no social tags for this document.

### Text Language:

Latin

### Script Type:

Gothic Script (generic)

### Liturgica:

Antiphonar

### Summary:

A single leaf beginning with the antiphon Veni, Sancte Spiritus.



## The 'Meyrick Page' - Fragment

Parchment · 1 leaf · 1400 – 1500 CE · Germany · 490 x 365 mm

F-2fqq

Canberra, The Australian National University Library,

**Permalink:** <https://fragmentarium.ms/overview/F-2fqq>

 <https://fragmentarium.ms/metadata/iiif/F-2fqq/manifest.json>

### Image Rights:



### How to quote:

The 'Meyrick Page' (fragment), Canberra, The Australian National University Library, lxxxiii, (<https://fragmentarium.ms/overview/F-2fqq>)

**Online Since:** 05/20/2018

### Scholarly descriptions:

- R. Faunce, "Cataloguing and making discoverable ANU Library's small collection of detached medieval manuscript leaves", The Australian National University, 2018.

 Show description

### Transcriptions:

- Available

 Show transcription

### Social Tags

Add tag

### Century:

15th century

### Text Language:

Latin

### Script Type:

Gothic Script (generic)

### Liturgica:

Antiphonar

### Persons:

Carnahan, June (Previous Owner)

Ernst von Feder (Previous Owner)

Power, Dawn (Previous Owner)

### Summary:

Leaf from an antiphonary gifted to the Australian National University Library in 1984 by two sisters - June Carnahan and Dawn Power (née Meyrick). It is named the 'Meyrick Page' in honour of the donors.

The stamp of an earlier owner, Ernst von Feder (1824-1904) of Karlsruhe, is imprinted on the leaf. The originating antiphonary was probably produced in Germany in the sixteenth century.

## Text

### *Commune unius Martyris*

Antiphons and responsorial chants provided for the feast day for the Common of One Martyr

On major feast days, the psalmody of the normal week is interrupted, and psalms with verses or themes appropriate to the feast are sung instead in honour of a saint or a category of saints such as martyrs.

Normalised transcription (abbreviations expanded in italics, punctuation and reverential capitals) with spacing between words added as required and rubrication and decorated initials indicated in colour. A second transcription follows that attempts to set out the text of the musical notation. As is characteristic of antiphons and responsorial chants, there are more musical notes than syllables of text, so the syllables of the text are widely stretched over numerous notes. Viewed in isolation the syllables are virtually unintelligible.

Prepared by R. Faunce, April 2018.

**lxxxivii**

... [Letabitur iustus in domino et]  
sperabit in eo et laudabuntur. Om  
nes recti corde alleluia alle  
luia. **Uersiculus.** Letamini in domi  
no et exultate iusti et gloriamini.  
**D**

# Chant fragment description?

Rebecca Shaw, "The *Canadian Chant Database*: a Proposal," 2019

## Musical and text elements:

- Number of staff lines
- Number of staves per page
- Coloured lines
- Notation type
- Colour of text
- Colour of initials

# Interoperability?

Rebecca Shaw, “Protocols for Manuscript and Fragment Identification: Proposal,” 2019

## DACT ID – 3 parts

- (1) Database identifier for original location of information (e.g., “F” for *Fragmentarium*, “CD” for the *Cantus Database*, “CU” for *Cantus Ultimus*, etc.).
- (2) A computer-generated, four-digit alphanumeric code unique.

## DACT ID cont.

(3) An alphabetic suffix to indicate whether the record is a:

D = manuscript or fragment description

I = complete manuscript or fragment inventory

C = individual chant record within the manuscript or fragment,  
followed by the folio and sequence number, as entered in  
the *Cantus Database*

F = digital facsimile of the manuscript or fragment

## DACT ID cont.

*Salzинnes Antiphonal:*

*Cantus Database* description: CD-g7jk-D

*Cantus Database* inventory: CD-g7jk-I

Manuscript images, hosted on *Cantus Ultimus*: CU-g7jk-F

Responsory *Ascipiens a longe ecce video*, the first chant on f. 2r,  
would be CD-g7jk-C.002r.1

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