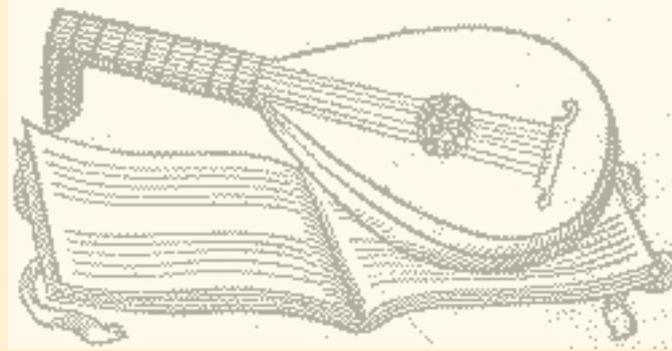


Early Music Online and The Electronic Corpus of Lute Music

Tim Crawford

Goldsmiths, University of London



Medieval & Renaissance Music Conference

11 July 2012

European Lute Music

- Large and important repertory
- Represents over 300 years of music history (roughly 1480-1800)
- Possibly amounts to some 50,000 different pieces in total
- Generally little understood because of its idiosyncratic notation

ECOLM Motivations

- Make available a large inaccessible repertory little understood by musicians in general
- Allow comparison between lute music and musical repertory in standard notation
- Enhance awareness of historical significance of lute music
- Investigate computer techniques for partially-structured musical data

www.ecolm.org

http://www.ecolm.org/

Goldsmiths UNIVERSITY OF LONDON

ECOLM

[Search the Database](#)

- ECOLM Home
- Project Documents
- Publications
- Staff
- TabCode
- Web Application
- Database
- Log In

ECOLM - An Electronic Corpus of Lute Music

ECOLM is an ambitious research project conceived by [Tim Crawford](#) and funded between 1999 and 2006 by the U.K. [Arts and Humanities Research Council](#).

The [first phase](#) of the project (1999-2002) was carried out in the Department of Music at [King's College London](#).

The [second phase](#) of ECOLM, also funded by the AHRB (2002-6), is being carried out in the [Intelligent Sound and Music Systems](#) group in the [Goldsmiths College Department of Computing](#) under the general direction of [Prof. Geraint Wiggins](#), and continues to be guided by its originator, [Tim Crawford](#).

The principal goal of ECOLM is to store and make accessible to scholars, players and others, full-text encodings of sources of music for the Western-European lute (and other relevant sources), together with graphical images from manuscripts and printed music, such as codicological and paleographical detail as is helpful to the potential users, and bibliographical data, including, if possible, the texts of important studies where necessary permissions can be obtained.

Relevant 'other' sources might include keyboard versions of lute pieces, but would where possible also be full-text encodings. They would typically comprise music for keyboard, wind or string instruments, especially the viola da gamba, or vocal ensemble.

The technical resources of ECOLM will include facilities for online searching of the bibliographical and musical material, and complete access via the World Wide Web (with suitable restrictions according to the classes of material and user). Also viewing, playing (via computer sound-system or MIDI) of lute music, and printing (again subject to relevant permissions).

This website contains [information about the project](#) and its [contributors](#) and also hosts corpus itself public use. Also on these pages you will find documentation for the tablature encoding format, [TabCode](#) and the [MySQL database](#) and its [web front end](#). Visitors who have been supplied with a username and password can also [log-in](#) for extended features.

www.ecolm.org

The screenshot shows a web browser window with the URL <http://www.ecolm.org/>. The page header includes the Goldsmiths University of London logo and the ECOLM logo. A left sidebar contains navigation links: Sources, Pieces, People, Clusters, Queries (with sub-links for Simple, Multiple Field, and Query Builder), Log In, Go to Project Page, and Go to ISMS site. The main content area is titled "Query builder" and contains instructions: "Display a list of pieces containing tabcode like %h1e2%", "Number of matching pieces in database: 33", and "To undo a filter, you will need to use the 'back' button on your browser". Below this, it says "Displaying items 1 to 25" and provides "next" and "refine search" buttons. A table of search results follows, with 9 items visible. Each row contains a number, a link to a piece, the piece's title in Latin, and its classification.

1	Recercar decimo. (tab)	in IOAN MARIA INTABOLATURA DE LAUTO DI RECERCARI CANZON FRANCESE [...] M. D. XXXXVI.	
2	Canzon. (tab)	in Testudo Gallo-Germanica: HOC EST: NOVAE ET NUNQUAM ANTEHAC EDITAE [...] Germanis, aliisq	[B-Br Fétis 2.908 C (RP) (Magasin Réserve précieuse : Niv. -2)]
3	Canzonet. 4. Voc. (tab)	in Testudo Gallo-Germanica: HOC EST: NOVAE ET NUNQUAM ANTEHAC EDITAE [...] Germanis, aliisq	[B-Br Fétis 2.908 C (RP) (Magasin Réserve précieuse : Niv. -2)]
4	Cantio Germanica. (tab)	in Testudo Gallo-Germanica: HOC EST: NOVAE ET NUNQUAM ANTEHAC EDITAE [...] Germanis, aliisq	[B-Br Fétis 2.908 C (RP) (Magasin Réserve précieuse : Niv. -2)]
5	Pavana prima. (tab)	in Testudo Gallo-Germanica: HOC EST: NOVAE ET NUNQUAM ANTEHAC EDITAE [...] Germanis, aliisq	[B-Br Fétis 2.908 C (RP) (Magasin Réserve précieuse : Niv. -2)]
6	Pavana secunda (tab)	in Testudo Gallo-Germanica: HOC EST: NOVAE ET NUNQUAM ANTEHAC EDITAE [...] Germanis, aliisq	[B-Br Fétis 2.908 C (RP) (Magasin Réserve précieuse : Niv. -2)]
7	Pavana tertia. (tab)	in Testudo Gallo-Germanica: HOC EST: NOVAE ET NUNQUAM ANTEHAC EDITAE [...] Germanis, aliisq	[B-Br Fétis 2.908 C (RP) (Magasin Réserve précieuse : Niv. -2)]
8	Passomezi in G sol re ut b. dur. debeat esse variatio prima, sed est secunda. (tab)	in Testudo Gallo-Germanica: HOC EST: NOVAE ET NUNQUAM ANTEHAC EDITAE [...] Germanis, aliisq	[B-Br Fétis 2.908 C (RP) (Magasin Réserve précieuse : Niv. -2)]
9	Variatio 1. (tab)	in Testudo Gallo-Germanica: HOC EST: NOVAE ET NUNQUAM ANTEHAC EDITAE [...] Germanis, aliisq	[B-Br Fétis 2.908 C (RP) (Magasin Réserve précieuse : Niv. -2)]

www.ecolm.org



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ECOLM

- Sources
- Pieces
 - Main
 - Bibliography
- People
- Clusters
- Queries
- Log In
- Go to Project Page
- Go to ISMS site

The image displays two systems of handwritten musical notation. The first system is titled 'Ritornel' and the second is titled 'Ritornel decimo'. Each system consists of three staves. The notation includes various rhythmic values (e.g., eighth, sixteenth, and thirty-second notes), rests, and dynamic markings such as 'f' (forte) and 'ff' (fortissimo). The notation is dense and characteristic of early modern lute tablature or similar stringed instrument notation.



- Sources
- Pieces
 - Main
 - Bibliography
- People
- Clusters
- Queries
- Log In
- Go to Project Page
- Go to ISMS site

10. Recercar decimo

in [IOAN MARIA INTABOLATURA DE LAUTO DI RECERCARI CANZON FRANCESE \[...\] M. D. XXXXVI.](#)

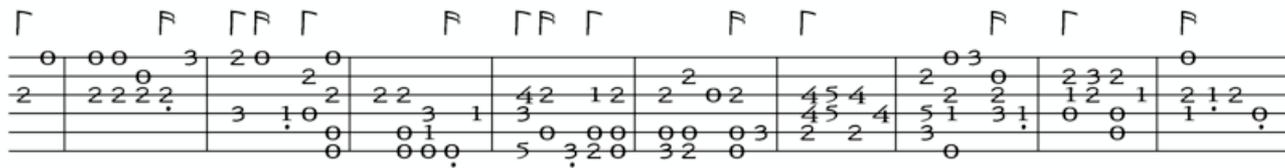
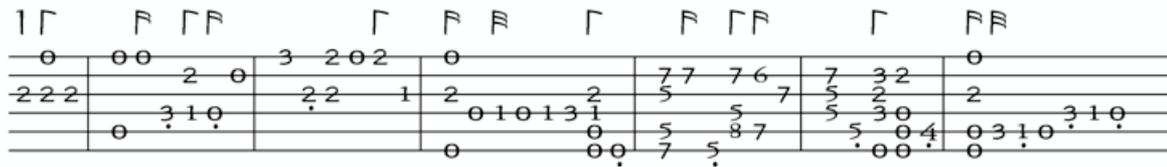
Start: Gathering: B3r System: 4 [View Image](#)

Continuation: Gathering: B3v [View Image](#)

Finish: Gathering: B4r [View Image](#)

[Encoding submitted on 20th April, 2007.](#) This encoding has only received a limited amount of editing and is considered draft quality (level: Draft).

Tablature rendering is being actively developed may show minor bugs from time to time. If you spot a bug, please let a developer know..



www.earlymusiconline.org

The screenshot shows a web browser window with the title "Early Music Online". The address bar contains "http://www.earlymusiconline.org/". The page has a blue header with the title "Early Music Online" and a navigation menu with links: "Welcome to Early Music Online!", "About", "Using Early Music Online content", and "Contact". The main content area features a section titled "Early Music Online" with a paragraph: "The Early Music Online project has digitised 300 of the world's earliest surviving volumes of printed music, using copies in the British Library, and has made these freely available online." Below this is a link: "Browse digitised content in Royal Holloway's digital repository". Another paragraph states: "You can also explore detailed descriptions of the content via the [British Library Catalogue](#). Included are in the catalogue are full details of each digitised book, with an inventory of the contents of each, searchable by composer name, title of composition, date and subject, and with links to the digitised content. (Click 'I want this' in the Library catalogue to access the digitised content.)" A third paragraph says: "Full descriptions of each volume, with links to the digitised content, have also been included in the [RISM UK database](#) and [COPAC](#), enabling researchers to locate and access this digitised content by several different means." A final paragraph reads: "You may use the digitised content on Early Music Online in any way and for any such purposes that are conducive to education, teaching, learning, private study and/or research as long as you are in compliance with the terms and conditions of our [licence](#)." At the bottom, there are logos for "Royal Holloway University of London", "BRITISH LIBRARY", and "JISC". A "Read more" link is visible on the right side. An RSS icon is in the bottom left corner.

www.earlymusiconline.org

JISC Rapid Digitisation project (3 months)

PI: Stephen Rose (RHUL)

Partners:

- British Library
- Royal Holloway University of London
- RISM-UK

300 books of music printed before 1600

Will expand (one day) to 2,000 books

www.earlymusiconline.org

Search

http://digirep.rhul.ac.uk/access/search.do?qs.tq=&sort_s=RANK&pg_pg=1&hier.topic=52facbd-19ce-2b9. Google

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 Royal Holloway
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RHUL eRepository Search

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- Login (with a CC Username)

Search

Enter Search Term 
[Search a Collection](#)

Collections

- Royal Holloway Research Online
- Early Music Online

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- Library Support for Researchers
- Library Home
- Contact the Library Repository Team

About

- Site Map
- OAI Base URL
- OAI Identify
- Equella 4.1 QA 3

Home [Early Music Online](#)

Early Music Online

This collection holds digitised images of some of the world's oldest surviving volumes of printed music.

Early Music Online is the result of a pilot project in which more than 300 volumes of 16th-century music from the British Library were digitised from microfilm.

The project was funded by JISC as part of the Rapid Digitisation programme 2011.

The digitised content is copyright © The British Library Board, and is made available for non-commercial use under the JISC Collections Open Education User Licence version 1.0. You may use the digitised content on Early Music Online in any way and for any such purposes that are conducive to education, teaching, learning, private study and/or research as long as you are in compliance with the terms and conditions of the licence. You may not use the content for commercial purposes.

View licence at <http://www.earlymusiconline.org/licence>

Read more about the project at <http://www.earlymusiconline.org>

Search within these results

[Searching help and features...](#)

Results showing 1 to 10 of 328

1 2 3 4 5 6 7 8 9 10 | [Next](#) [Last](#)

10 per page

 **Primus liber cum quatuor vocibus : Mottetti del frutto a quatro.** Date: 6/28/11 8:57 AM
Version: 1
Status: live
Collection of motets in four parts (SATB).
Date: 1539

 **Secundus liber cum quinque vocibus. Fior de mottetti tratti dalli motetti del fiore.** Date: 6/28/11 8:39 AM
Version: 1
Status: live
Collection of motets in five parts.
Date: 1539

 **Intabolatura de lauto di Simon Gintzler musico del reverendissimo Cardinale di Trento, de recercari, motetti, madrigali et canzon francese novamente posta in luce. Libro primo.** Date: 6/16/11 10:46 AM
Version: 1
Status: live
Collection of music for lute, both original and intabulations of secular and sacred pieces.

www.earlymusiconline.org

Item Summary – Intabolatura de lauto di Simon Gintzler musico del reverendissim...ri, motetti, madrigali et canzon francese novamente posta in luce. Libro primo.

http://digirep.rhul.ac.uk/items/c00596a3-23fe-3675-f717-8cf6abc11f34/1/?tempwn.b=access%2Fsearch.c Google

Logged in as Guest log out

Royal Holloway University of London

RHUL eRepository Item Summary - Intabolatura de lauto di Simon Gintzler ...

Home Login (with a CC Username) Search a Collection

Search Enter Search Term Search a Collection

Collections Royal Holloway Research Online Early Music Online

Getting Help Library Support for Researchers Library Home Contact the Library Repository Team

About Site Map OAI Base URL OAI Identify Equella 4.1 QA 3

Summary Comments Sharing Back

Intabolatura de lauto di Simon Gintzler musico del reverendissimo Cardinale di Trento, de recercari, motetti, madrigali et canzon francese novamente posta in luce. Libro primo.



[View Music](#)

Summary

Collection of music for lute, both original and intabulations of secular and sacred pieces.

Details

Standardised Title Intabolatura de lauto di Simon Gintzler musico del reverendissimo Cardinale di Trento, de recercari, motetti, madrigali et canzon francese novamente posta in luce. Libro primo.

Transcribed Title INTABOLATVRA / DE LAVTO / DI SIMON GINTZLER MVSICO / Del Reuerendissimo Cardinale di Trento, De Recercari Motetti Madrigali / Et Canzon Francese Nouamente posta in luce. / LIBRO PRIMO

Date 1547

Imprint In Venetia Apresso di / Antonio Gardane. / M. D. XLVII.

Source British Library K.4.d.1.

Links To Resources

 <p>K4d1_001.jpg File Viewer Pretty Photo File: K4d1_001.jpg (205.34 KB)</p>	 <p>K4d1_002.jpg File Viewer Pretty Photo File: K4d1_002.jpg (432.17 KB)</p>
 <p>K4d1_003.jpg File Viewer Pretty Photo File: K4d1_003.jpg (385.4 KB)</p>	 <p>K4d1_004.jpg File Viewer Pretty Photo File: K4d1_004.jpg (391.61 KB)</p>
 <p>K4d1_005.jpg File Viewer</p>	 <p>K4d1_006.jpg File Viewer</p>

www.earlymusiconline.org

K4d1_001.jpg 2,740x1,024 pixels



http://digirep.rhul.ac.uk/file/c00596a3-23fe-3675-f717-8cf6abc11f34/1/K4d1_001.jpg

Google

Apple Yahoo! Google Maps YouTube Wikipedia News (142) Popular

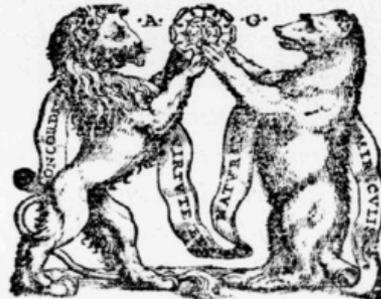
K4d1
INTABOLATURA
DE LAUTO

DI SIMON GINTZLER MUSICO

Del Reuerendissimo Cardinale di Trento, De Recercari Motetti Madrigali

Et Canzon Francese Nouamente posta in luce.

LIBRO



PRIMO

*In Venetia Apresso di
Antonio Gardane.*

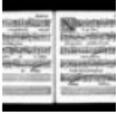
M. D. XLVII.

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Search

http://digirep.rhul.ac.uk/access/search.do?qs.tq=&sort_s=RANK&pg_pg=1&hier.topic=52facdbd-19ce-2b9

Google

	<u>recercari, motetti, madrigali et canzon francese novamente posta in luce. Libro primo.</u> Collection of music for lute, both original and intabulations of secular and sacred pieces. Date: 1547	Status: live
	<u>Der dritte teyl, schöner, lieblicher, alter, und newer teutscher Liedlein : nicht allein zu singen, sonder auch auff allerley Instrumenten zu brauchen, sehr dienstlich, und ausserlesen, und vormals nie gesehen.</u> Collection of 80 German songs in four parts (SATB) with a preface and dedication in the tenor part book. The bassus part book contains a table of contents and instructions to the singer (both in German) in the colophon. Date: 1549	Date: 6/23/11 9:48 PM Version: 1 Status: live
	<u>Le huitiesme livre des chansons a quatre parties : auquel sont contenues trente et deux chansons convenables tant a la voix comme aux instrumentz.</u> Date: 1545	Date: 6/19/11 7:46 PM Version: 1 Status: live
	<u>Il primo libro di villanelle alla Napolitana novamente stampate. A tre voci.</u> Collection of Neapolitan villanelle for three parts. Date: 1565	Date: 6/16/11 10:38 AM Version: 1 Status: live
	<u>Moteti de la Simia.</u> Collection of motets in five parts. Date: 1539	Date: 6/24/11 4:12 PM Version: 1 Status: live
	<u>Primus liber cum quatuor vocibus : Fior de mottetti tratti dalli motetti del fiore.</u> Collection of motets in four parts (SATB). Date: 1539	Date: 6/28/11 8:16 AM Version: 1 Status: live
	<u>L'unzieseme livre contenant vingt & neuf chansons amoureuses a quatre parties</u> Collection of 29 love songs in four parts (SATB).	Date: 6/24/11 8:36 PM Version: 2 Status: live

www.earlymusiconline.org

K3a8_001.jpg 4,961x2,008 pixels

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Google

K 3. L. 8.
A 367

LE HVITIE S ME LIVRE DES
Chãsons a quatre parties auquel sont

CONTENUES TRENTE ET DEUX

Chãsons Conuenables Tant a la Voix comme aux Instrumentz,

Correctement Imprimees en Anuers par Tylman Susa-

yo, Imprimeur & Correcteur de Nusicque.

demeurant audest Anuers aupres de

la Nouvelle Bourse en

la Rue de douze mois.

SVPERIVS.

AVEC GRACE ET PRIVILEGE

de Imperiale Maistre pour Trois Ans.

L'AN M. D. XLV

Au mois de May.



www.earlymusiconline.org

K3a8_015.jpg 4,961x2,008 pixels

http://digirep.rhul.ac.uk/file/bbcd57e1-627d-1878-2a90-e70857448a26/1/K3a8_015.jpg

K4i9_070.jpg 4,096x2,848 pixels K3a8_015.jpg 4,961x2,008 pixels

Responce. Tho. Cricquillon

A V dieu damours ienquie'te' & rens les armes Ne retenāt de son train que les lher-
mes Pour me seruir & plorer mon malheur Et ie'ter hors ij par mes yeulx ma chaleur Le suppliat que
mieulx il se contente De mes trauaulx ij que non de son attente De mes trauaulx ij
que non de son attente

Clemens non Papa

R Offingnalet qui chantes au vert bois ij

Clemens non T

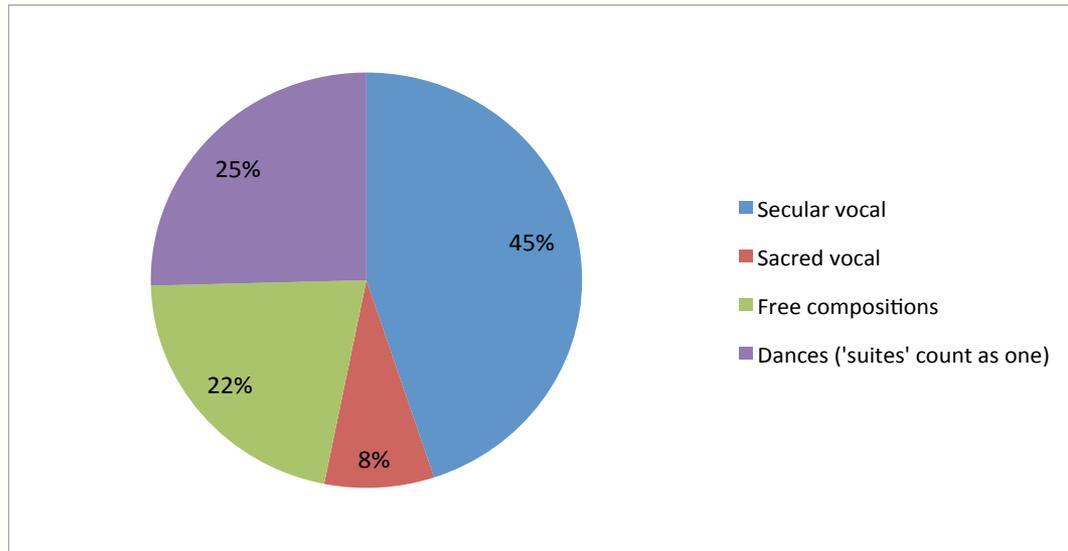
Nauc' point veu ma douce' amyte le lay perdu pas
Dont tous les iours tāt il memuye Or reuene' gēt
Or reuene' gēt il filette car ie suis vostre' amy ij
Cueillir irons la violette ij
pour passer tout enuy pour.

Roslingnolet Canzone Francese a quattro di Clemens non
papa Intauolata dal Molinaro.

The image displays three systems of musical notation for a lute piece. Each system consists of a single staff with rhythmic markings above and tablature below. The notation includes various note values (minims, crotchets, quavers) and rests, often grouped with 'P' (pizzicato) or 'R' (rhythmic) markings. The tablature uses numbers 0-7 on a six-line staff to indicate fret positions. The first system has 8 measures, the second has 8 measures, and the third has 8 measures. The piece concludes with a double bar line.

EMO/ECOLM overlap

	Secular vocal	Sacred vocal	Free compositions	Dances ('suites' count as one)	Total (mostly from Brown)
<i>Totals</i>	486	89	232	275	1082



7th September 2012
Workshop: British Library
Concert: King's Place



Electronic Corpus of Lute Music (ECOLM)

www.ecolm.org

funded by the
Arts and Humanities Research Council
1999-2006, 2011-2012



Arts & Humanities
Research Council