

DH: Introduction

Welcome

Introductions

- You:
- I: A. Bolintineanu (BOH-LYNN-TEE-NYAH-NOO), Digital Medieval Studies

Today

- Intro
- What is DH?
- A partial history
- Project examples
- Course syllabus

Olympia SM-9 De Luxe (1970).
Mr. Martin's Website: The
Typewriter Museum. <http://www.mrmartinweb.com/type.htm#olympia>



[The Telegraph - Apr 30, 1983](#) [Browse this newspaper »](#) [Browse all newspapers »](#)

In Romania, typewriter called 'dangerous weapon'

BUCHAREST, Romania (AP) — Romanians now must seek police permission for owning a potentially dangerous weapon — the typewriter.

The law, signed by President Nicolae Ceausescu last month and put into effect this week, apparently is designed to curb clandestine leaflets critical of his Communist government.

—Typewriters will be denied to people who have a criminal record or pose "a danger to public order or state security."

—Police must be notified within 24 hours of the loss or theft of a typewriter, and their rental or use outside the registered owner's homes is forbidden.

—Penalty for failure to comply with the law is \$240

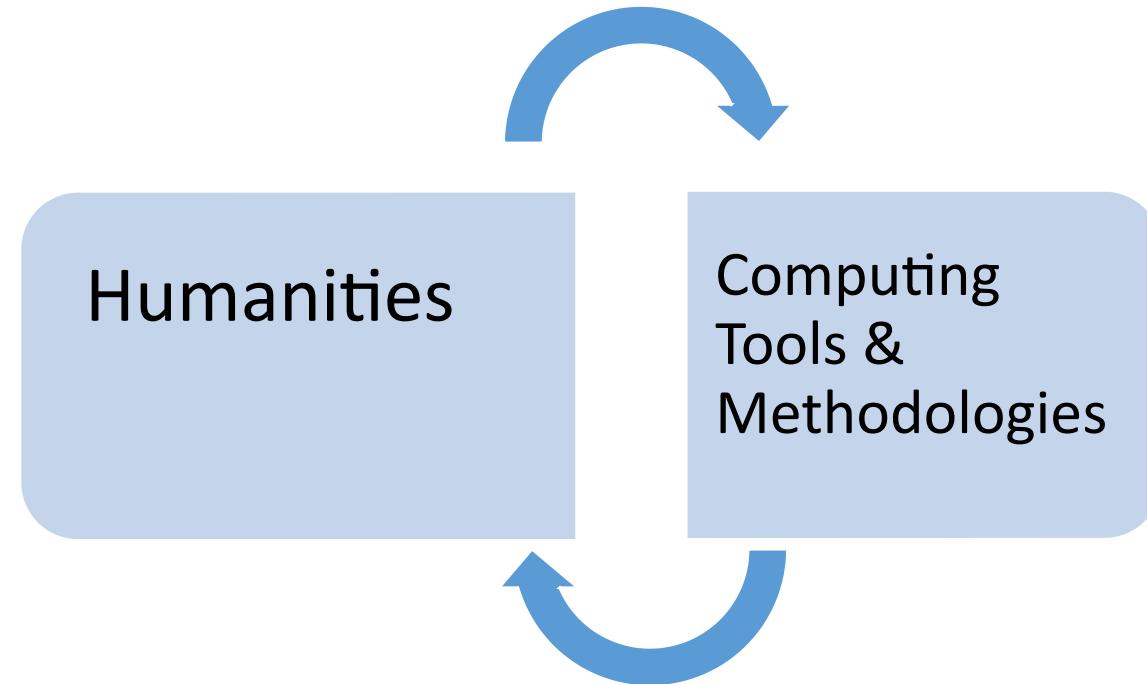
The Telegraph, April 30, 1983.

Digital Humanities (DH)

Overview

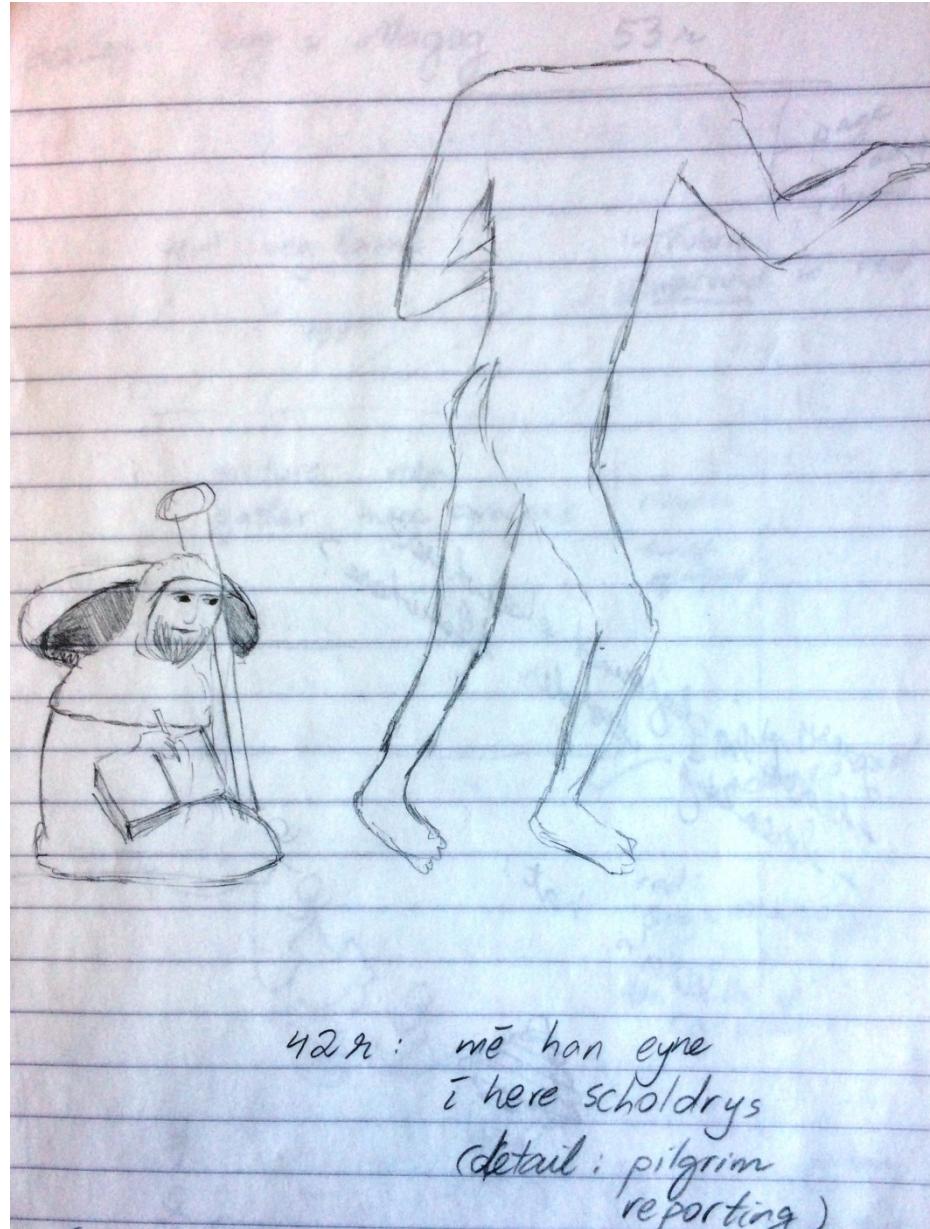
Digital Humanities (DH)

DH: at the fluctuating intersections of the humanities with computing



British Library, MS. Harley
3954. The Book of John
Mandeville.

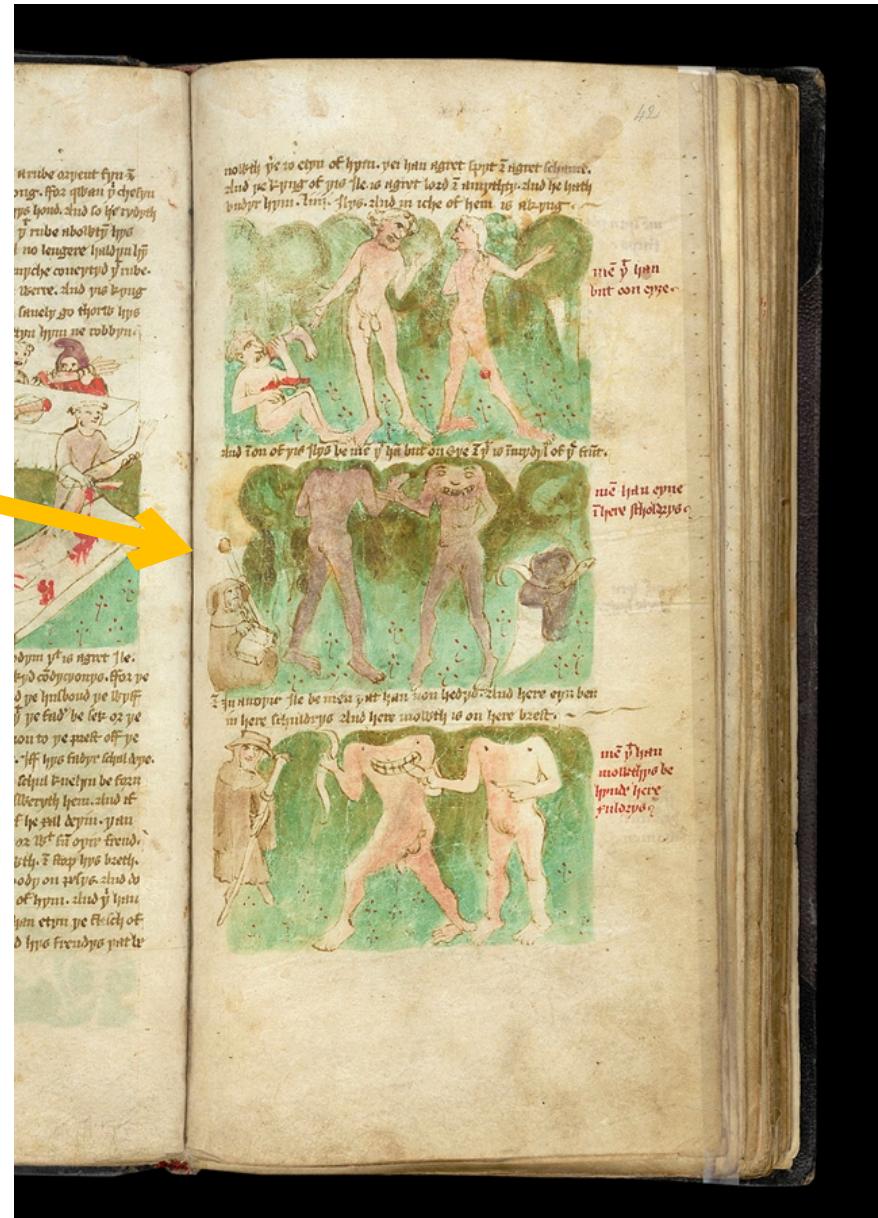
(my sketch, c. 2007)



42n : mē han eyne
ī here scholdrys
(detail: pilgrim
reporting)

British Library, MS. Harley 3954.
The Book of John Mandeville.

(now.)



Dictionary of Old English

The DICTIONARY of OLD ENGLISH: A to H

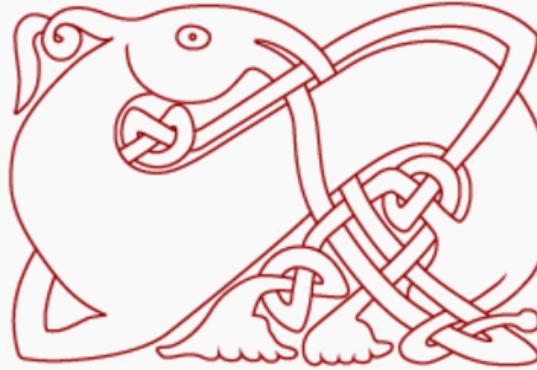
University of Toronto

Home Browse List of Texts Docs

Headword A:æ, D:ð, T:þ, E:ę

æ ð þ ę

Search Examples Search History



The DICTIONARY of OLD ENGLISH

2016

The 2016 Release of the *Dictionary of Old English: A to H* online has been produced in part with the support of the Canada Foundation for Innovation through the TAPoR project, the Social Sciences and Humanities Research Council of Canada, the National Endowment for the Humanities, the British Academy, the Andrew W. Mellon Foundation, the Salamander Foundation, and the Triangle Community Foundation, among others.

Middle English Dictionary



Welcome to the electronic Middle English Dictionary. The print *MED*, completed in 2001, has been described as "the greatest achievement in medieval scholarship in America." Its 15,000 pages offer a comprehensive analysis of lexicon and usage for the period 1100-1500, based on the analysis of a collection of over three million citation slips, the largest collection of this kind available. This electronic version of the *MED* preserves all the details of the print *MED*, but goes far beyond this, by converting its contents into an enormous database, searchable in ways impossible within any print dictionary. (For help on the available searches, click [here](#).)

Lookups: look for a word as a head word or part of a form section (headword and variant forms).

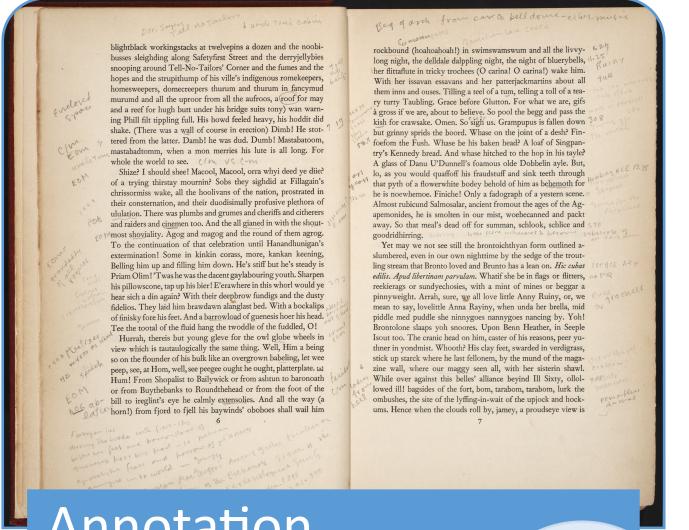
Search the MED entries: look for words, phrases and other features, such as parts of MED stencils, in designated parts of the entries.

Search the MED quotations: look for quotations including specified words and phrases and/or restrict your search to quotations from a particular work or date.

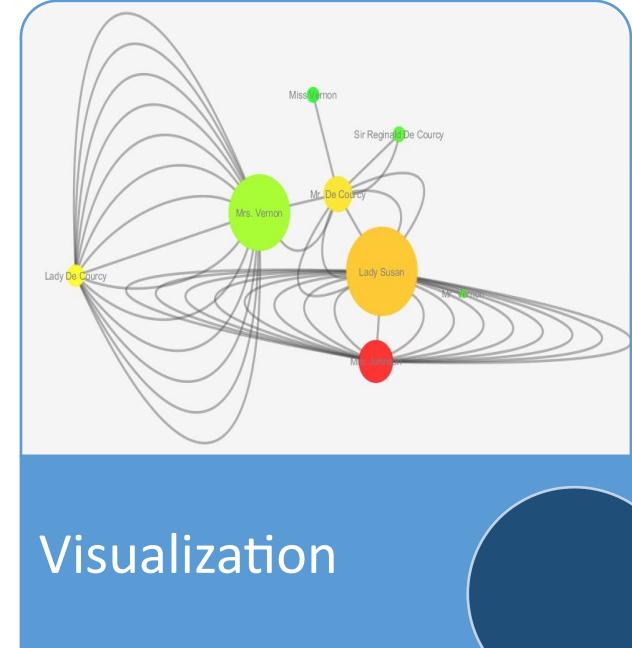
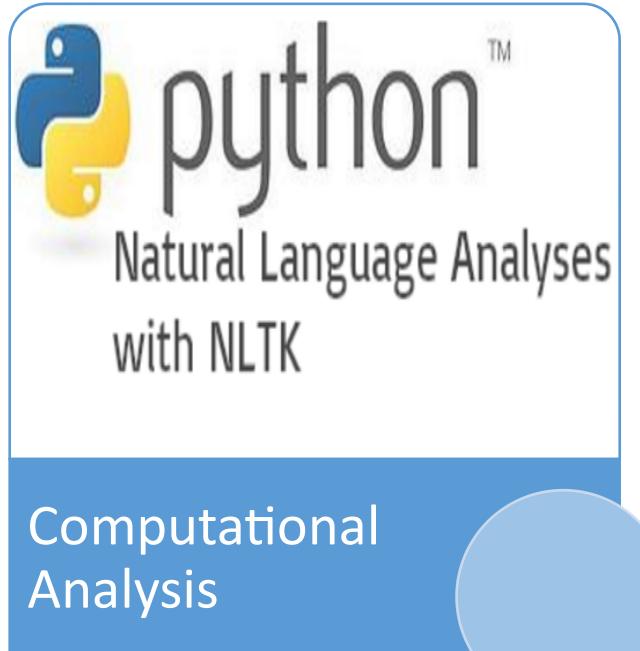
Attention Macintosh Users: If you are using Netscape 4.0 or above, thorn (þ) and eth (ð) will appear as a double question mark (??).

The Middle English Dictionary is now freely available. See the [press release](#) for more information.

Analysis & Interpretation



Annotation,
Comparison,
Close Reading



Fingerprints of Wonder in Old English

Junius

Vercelli

Andreas: 27
Elene: 28

Research Materials: Medieval Manuscripts and Social Media

Cat paws in a fifteenth-century manuscript (photo taken at the Dubrovnik archives by @EmirOFilipovic, disseminated by Eric Kwakkel)



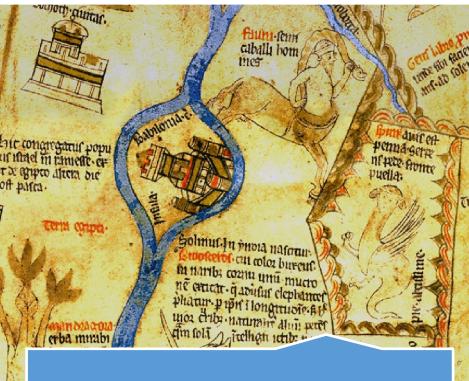
Humanities' Data

Athènes, où l'industrie du barbier était fort en honneur, les plaidoiries de la tempe de Figaro étaient rares, et si Solon avait négligé ce détail, la pratique ayant bien été forcée de l'adopter.

D'autre part il y avait des cas où l'observation de la loi était impossible en fait ou en droit. S'il s'agissait d'un enfant au bordure, d'un voleur, d'un assassin ou d'un meurtrier, il n'était pas nécessaire que quelqu'un viennent malencontreusement à la cause de ces plaidoiries, mais il ne devait pas présenter lui-même sa défense. Si l'Etat était directement intéressé à une affaire, si par exemple il s'agissait d'un pirate ou d'un tressor trahi, il ne fallait pas qu'en un cas aussi grave le défenseur de l'intérêt public fût désigné à l'initiative privée. La république désignait donc des orateurs, chargés de la représenter, et d'aider à soutenir l'accusation. Dans certains cas il avait bien été proposé de faire recourir à une sorte de plaidoirie où le plaigneur se pouvait faire répondre par autre.

De même, s'il s'agissait d'un labourer, d'un vigneron, d'un métayer ou d'un soldat, dont le langage indiquait sa modicité, il fallait que la partie qui devait faire déposer d'après la loi. C'était vraiment perdre le temps des deux juges, et aussi se moquer d'eux que de leur produire un plaigneur absolument incapable d'exposer le point de vue de son client. N'étant pas d'aillieurs assez instruit pour orienter et pour faire parler vieux soldats blancs sous le harnais, qui dans maints combats s'étaient couverts d'une gloireuse sueur, faisons exposés devant eux des personnes qui l'avaient été, et qui avaient eu l'avantage par une condamnation. L'argent qui devait servir à leur assurer des funérailles décentes? Il avait par juste que ce plaidoirie, interprétée à l'appel de son côté, aide quelques pauvres bateleurs à délivrer une charge assez difficile à bien porter secours à sa déresse. Et comme «*les amis habiles et désintéressés*» étaient aussi rares à Athènes, il

Text



Images & Maps



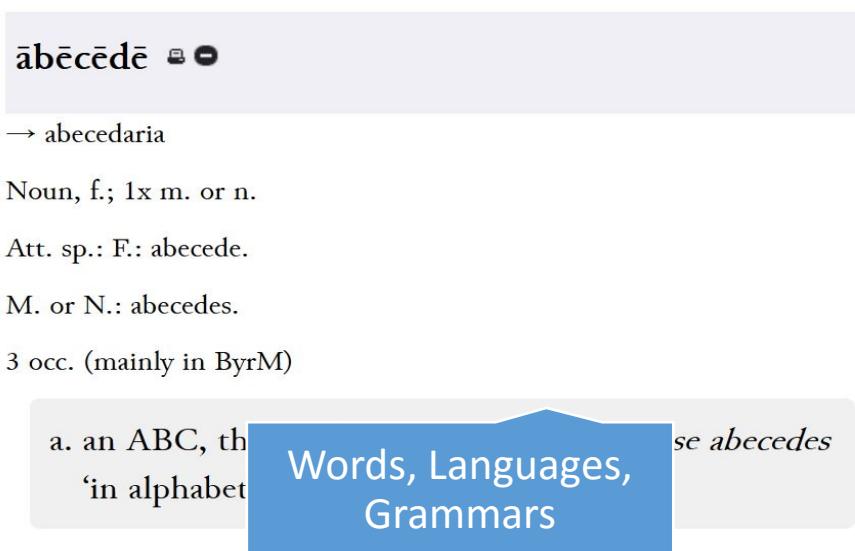
Sounds & Music



Films



Live or Digital Performances



a. an ABC, the
‘in alphabet’

Words, Languages, Grammars



Social Media Archives

Humanities' Data

Humanities' data has depth in small universes. Our material has the capacity to unfold inwards, as it were, to disclose layer upon layer of insights and connections, within a comparatively tiny amount of data--almost an inverse matryoshka, as it were, where each inner doll is bigger and more complex than the one encasing it.



Photo: BrokenSphere - Own work, CC BY-SA 3.0, <https://commons.wikimedia.org/w/index.php?curid=3773186>



Doll carved by Zvezdochkin, painted by Malyutin - Sergiev Posad Museum of Toys, Russia, Public Domain, <https://commons.wikimedia.org/w/index.php?curid=5051554>

Data in Medieval Studies

Johanna Drucker:

Data = given

Capta = acquired/captured/constructed through
interpretation

History

Father Roberto Busa, S. J. (1913-2011)

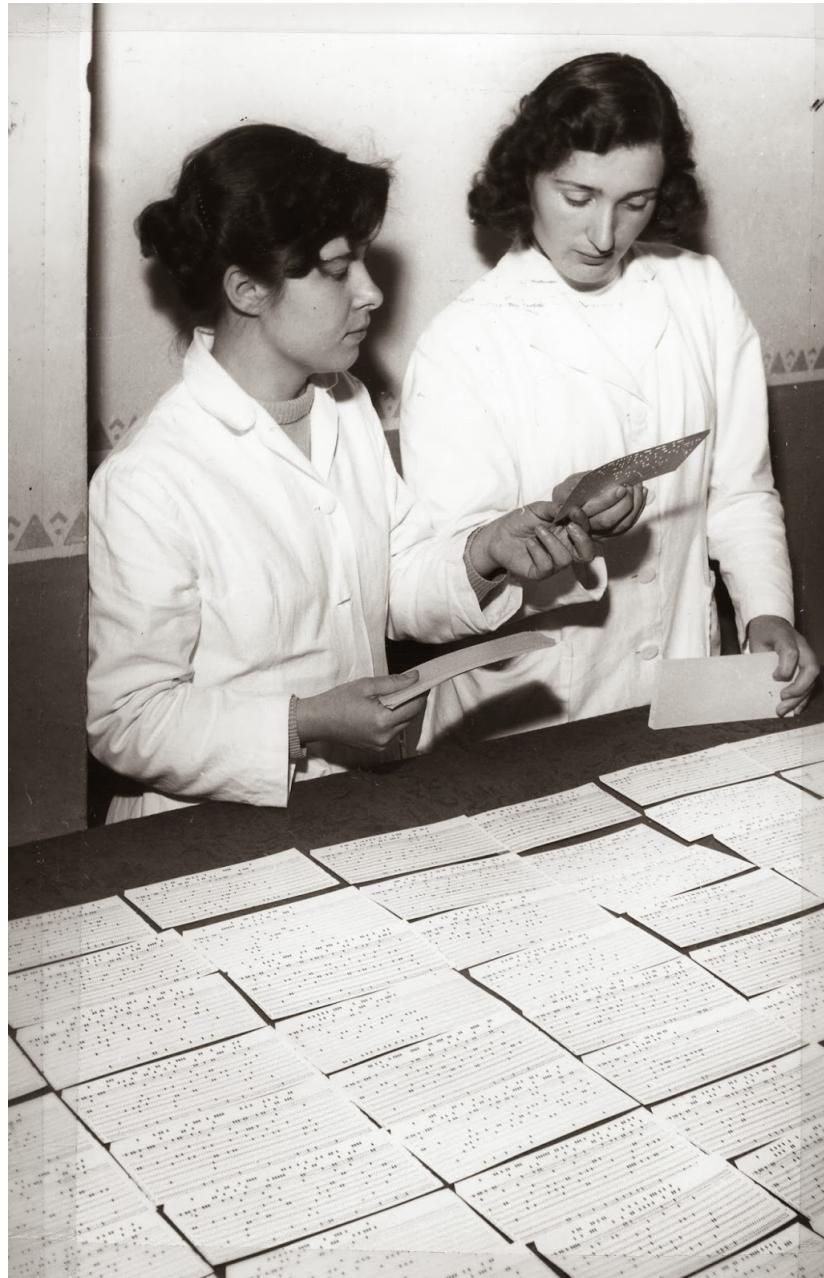
Index Thomisticus (1950s – 1980s;
2005 online)

- 11 million words of medieval Latin
- 30+ years of editing and analysis
- 8000+ hours of computer processing
stacks of punch cards
- 1500 + km of magnetic tape



Father Roberto Busa with an IBM machine. (Stephen Ramsay, “**Fr. Roberto Busa, S.J. (1913–2011)**,” stephenramsay.us/2011/08/11/father-roberto-busa/).

Father Busa's Female Punch Card Operators. From Father Busa's archive.
CIRCSE Research Centre, Università Cattolica del Sacro Cuore, Milan, Italy.
Featured by Melissa Terras, «For Ada Lovelace's Day: Father Busa's Female Punch Card Operators» (blog, 15 October 2013).
Top left: Livia Canestraro.



Father Busa's Female
Punch Card Operators.
From Father Busa's
archive. CIRCSE Research
Centre, Università
Cattolica del Sacro Cuore,
Milan, Italy. Featured by
Melissa Terras, «For Ada
Lovelace's Day: Father
Busa's Female Punch Card
Operators» (blog, 15
October 2013). Livia
Canestraro.



Father Busa and the *Index Thomisticus*

**CORPUS THOMISTICUM
INDEX THOMISTICUS**
by Roberto Busa SJ and associates
web edition by Eduardo Bernot and Enrique Alarcón
English version

Search:

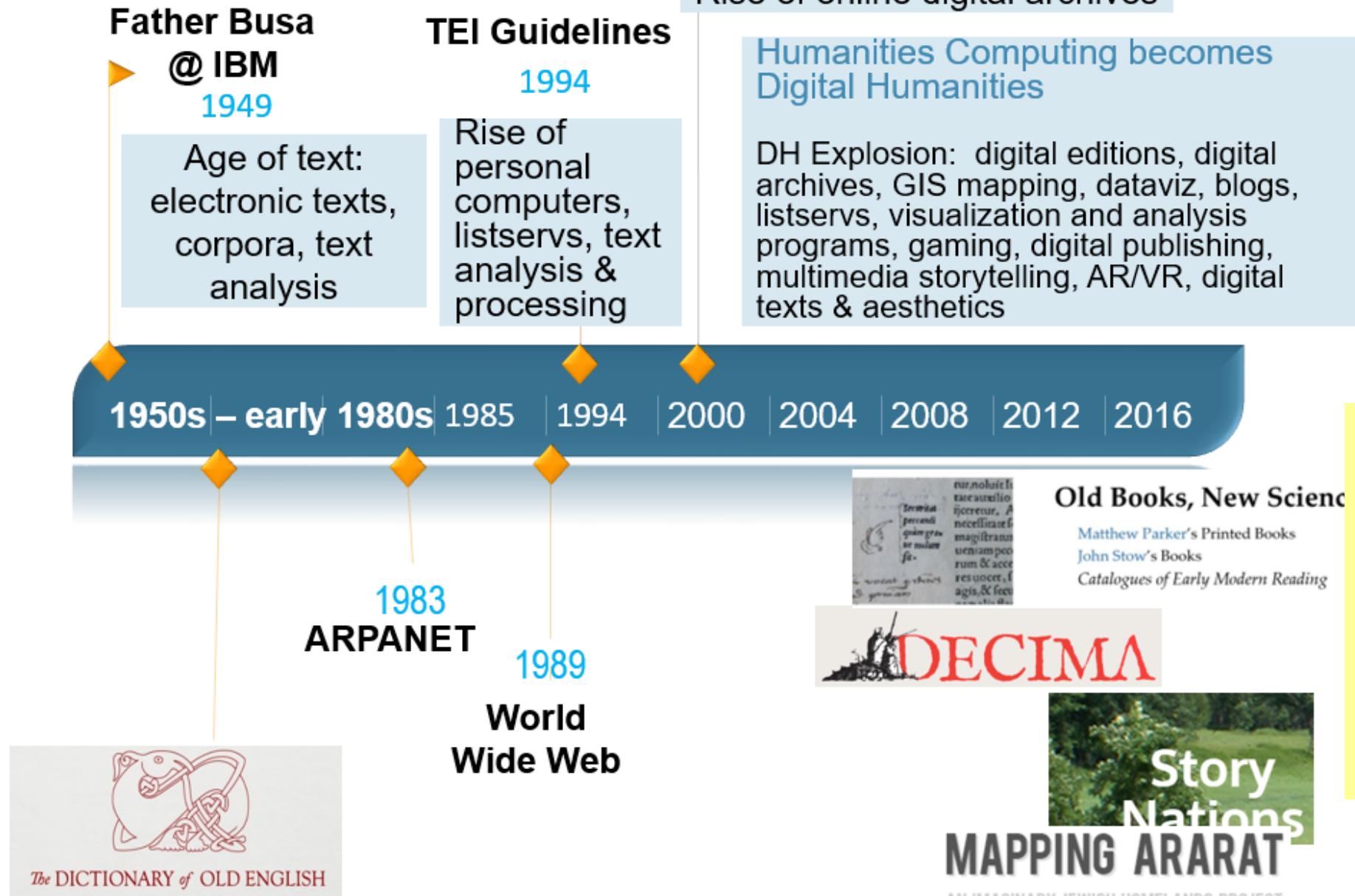
[concordances](#) [terms](#) [works](#) [options](#) [new search](#)

STATISTICS SHOWN ARE FOR ALL 220 WORKS
FREQUENCY BASE IS FOR A TOTAL OF 10631974 WORDS IN 87151 PLACES

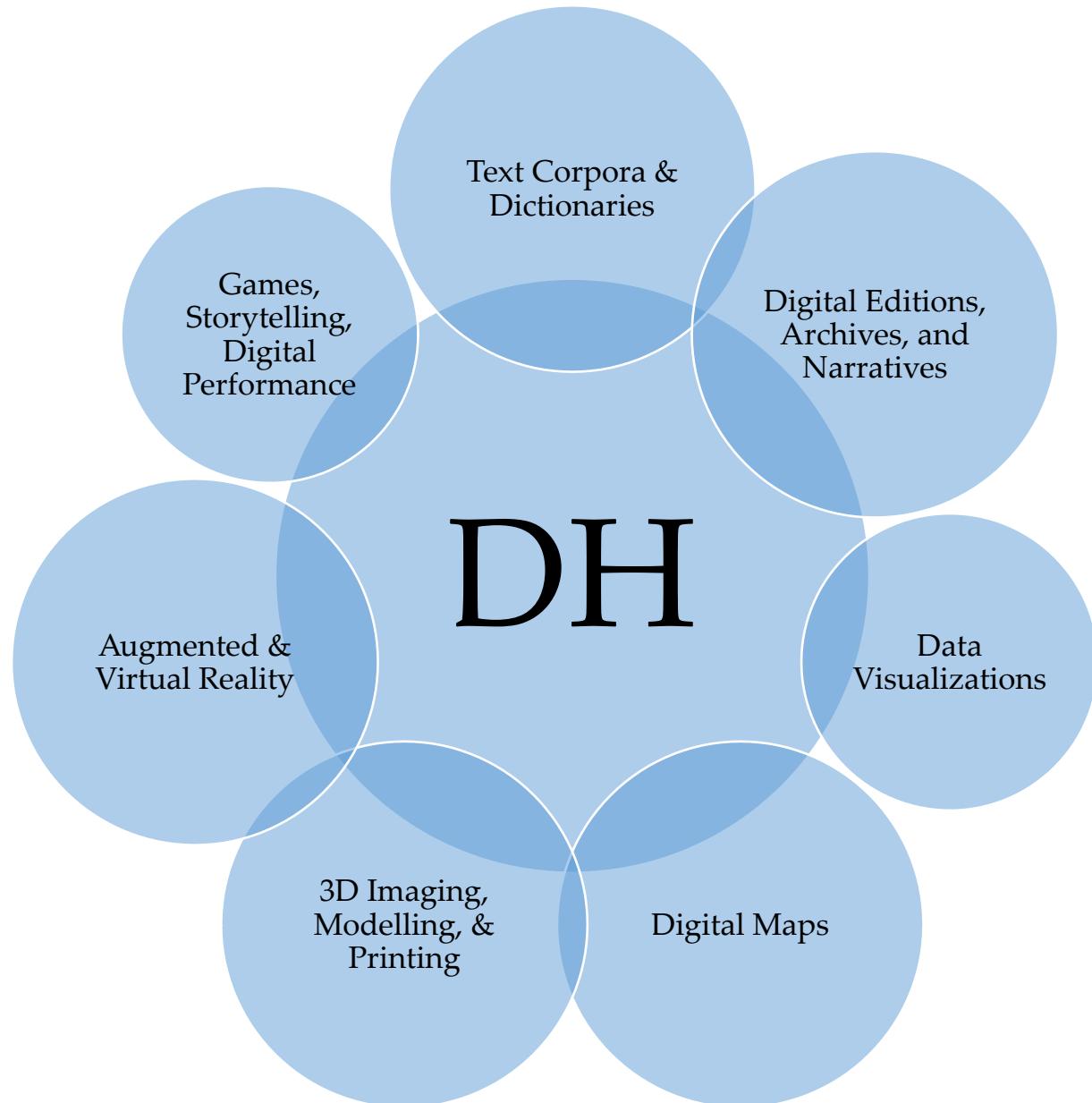
Lemma 65014

praesentia: *praesentia praesenti-ae*
presentia: *presentia presenti-ae*
presencia: *presencia presenci-ae*

Type of lemma: (A) common word
Type of meaning: (AN) common-aspect noun



UofT DHN (Digital Humanities Network):
215+ members,
142 research faculty





Book of Fame

IIIF, Gamification, and 3-D Virtual Books



Soviet Samizdat Periodicals

By Ann Komaromi



Soviet Samizdat Periodicals is a database of information about editions of classic Soviet samizdat, 1956-1986. The Database includes approximately 300 titles, representing all known types of samizdat periodical editions from this late Soviet era, including human rights bulletins, poetry anthologies, rock zines, religious and national editions. The Database is fully searchable, see [Search Tips](#). Researchers will find detailed bibliographic and archival information. The site also includes information about samizdat and dissidence for the general public. The website is intended to provide a forum for continuing discussion about this outstanding phenomenon of recent history... [more](#)

Periodicals by



Titles



People



Archives

Browse by



Language



Subject



Location

Community



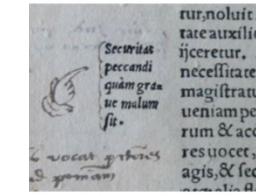
Forum



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U.S.S.R.



Old Books, New Science

Matthew Parker's Printed Books

John Stow's Books

Catalogues of Early Modern Reading



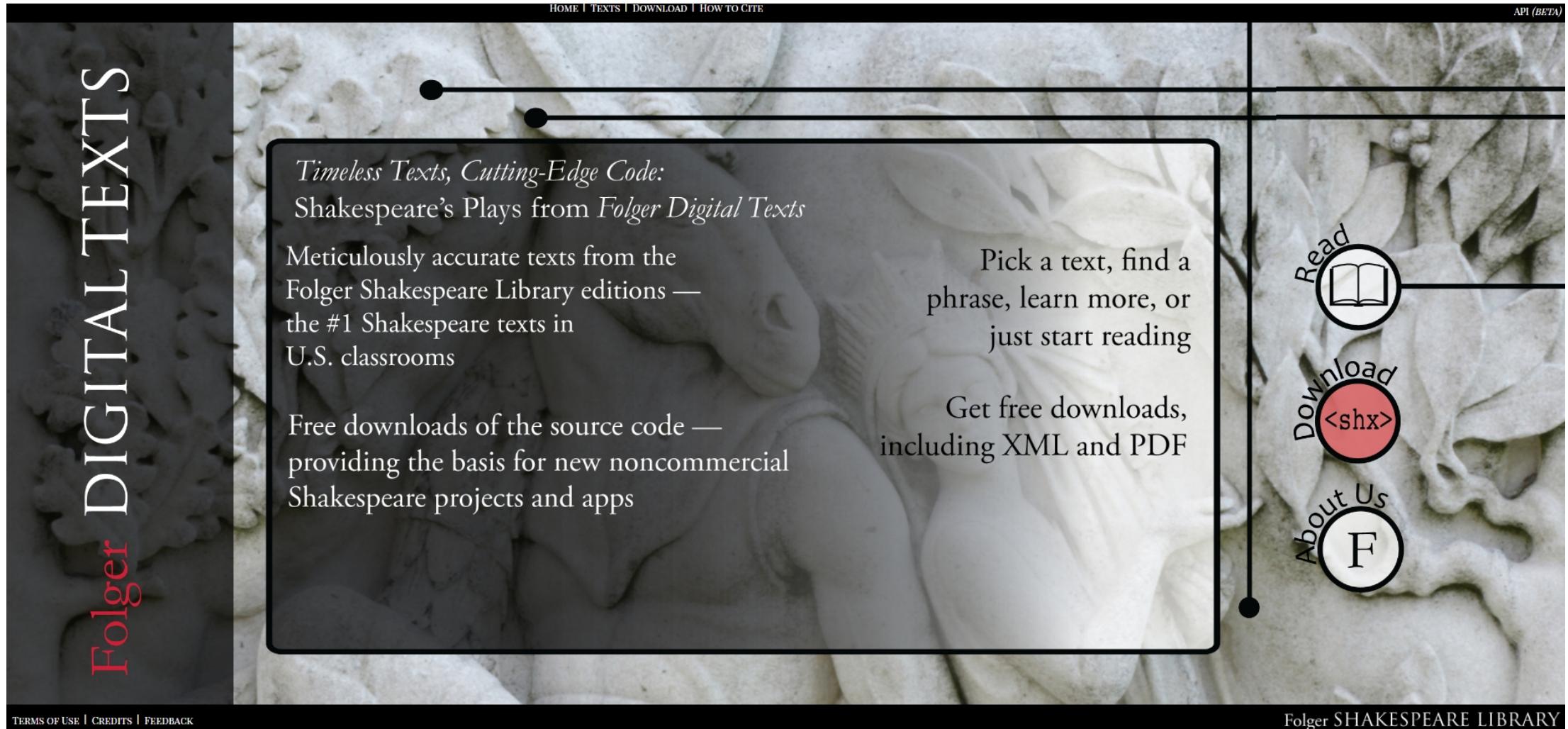
DECIMA

DH: Projects

- Digital editing & narratives: making texts and narratives available digitally, allowing readers multimodal ways of accessing a text or a narrative (e.g. viewing transcribed text alongside manuscript of that text; or viewing a project that integrates curated artifacts, digital maps, and recorded interviews)
- Data visualization: giving visual forms to data in order to explore and discern patterns, gain or illustrate insights
- Digital archives: digital (or digitized) collections of primary documents about a place or a community; more broadly, collections of primary documents, e.g. manuscripts, books, letters, photographs, etc.
- Digital mapping: plotting historical or literary data (urban economy, pilgrim routes, artifacts found at different archaeological sites, a character's journey in a book) onto a modern, historical, or imaginary map
- Augmented/virtual reality: using computing to overlay virtual elements onto real landscapes (AR), or using computing tech to simulate an immersive, interactive, three-dimensional virtual environment
- 3D printing: turning a digital model into a real object through additive manufacturing (delicate layering of plastic via 3D printer machine)
- Storytelling & performance: video games, coding as art practice

Digital Editions, Archives,
Narratives

Folger: Shakespeare Library

The background of the page features a close-up photograph of a white rose, with its delicate petals and intricate stamens filling the frame.

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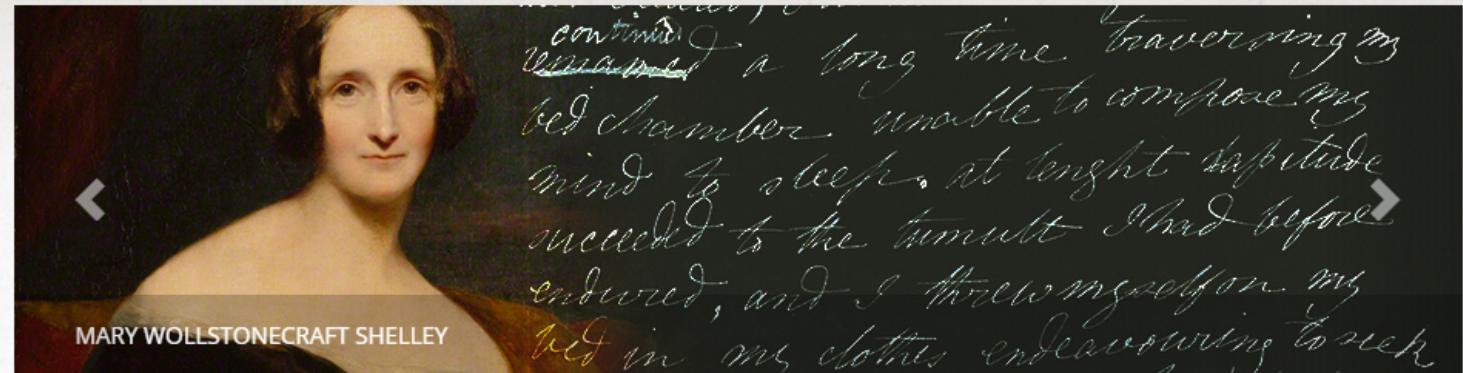
About Us F

TERMS OF USE | CREDITS | FEEDBACK Folger SHAKESPEARE LIBRARY

Shelley-Godwin Archive



HOME ABOUT EXPLORE THE ARCHIVE SEARCH USING THE ARCHIVE



MARY WOLLSTONECRAFT SHELLEY



General Editors: Neil Fraistat, Elizabeth Denlinger, and Raffaele Viglianti

About the Archive

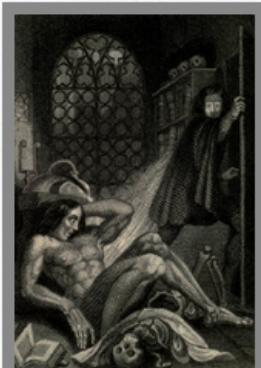
The Shelley-Godwin Archive will provide the digitized manuscripts of Percy Bysshe Shelley, Mary Wollstonecraft Shelley, William Godwin, and Mary Wollstonecraft, bringing together online for the first time ever the widely dispersed handwritten legacy of this uniquely gifted family of writers. The result of a partnership between the New York Public Library and the Maryland Institute for Technology in the Humanities, in cooperation with Oxford's Bodleian Library, the S-GA also includes key contributions from the Huntington Library, the British Library, and the Houghton Library. In total, these partner libraries contain over 90% of all known relevant manuscripts.

EXPLORE THE ARCHIVE

Featured Works



Prometheus Unbound



Frankenstein

The Archimedes Palimpsest: Multispectral Imaging



Infinite Ulysses: interactive reader's edition by Amanda Visconti

Come read *Ulysses* with us!

We welcome **readers of every background.**



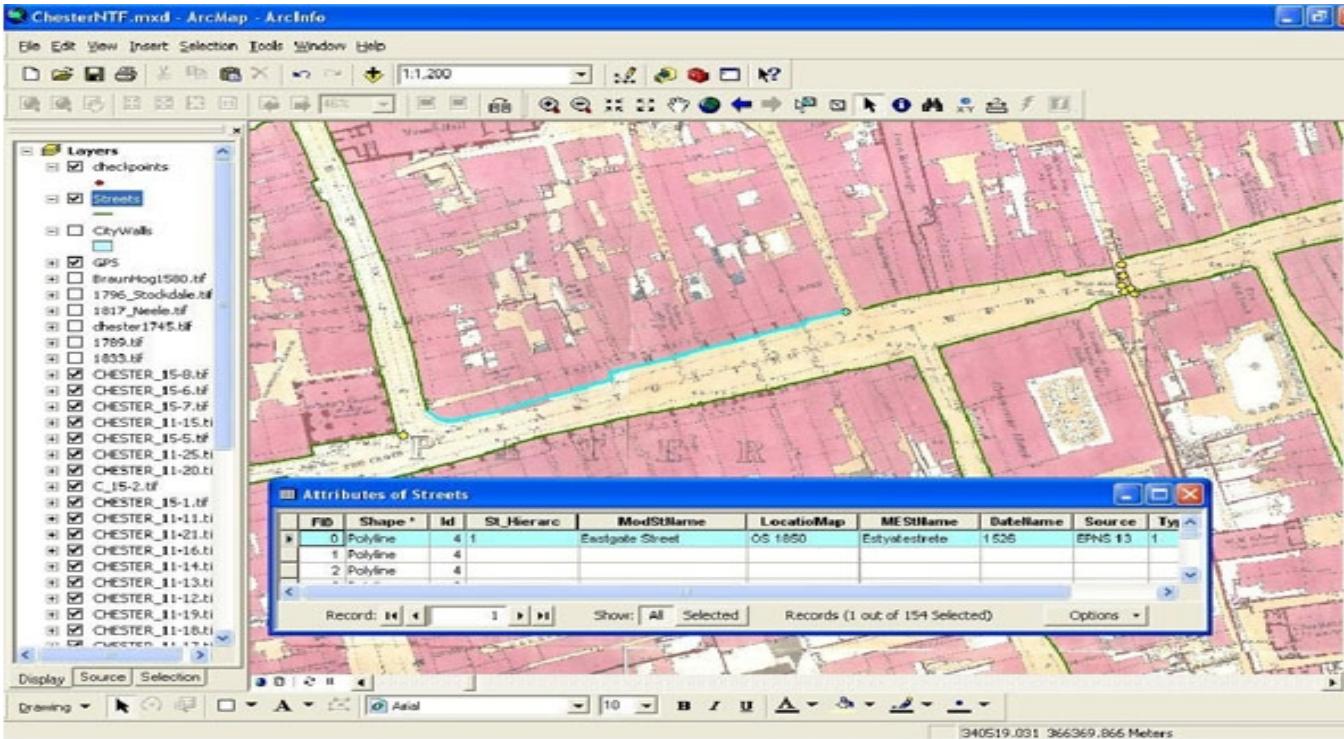
Highlight parts of the book and add your comments & questions.

Read interpretations & help left by other readers.

Customize the annotations you see to just the ones you need!

Maps, Visualizations,
Interpretations

Mapping Medieval Chester



- Goal: making a digital map of medieval Chester by combining post-medieval maps with archaeological and historical evidence
- Digital advantage: interactive, layered, & transparent

Courtney Evans and Ben Jasnow, with Jenny Strauss Clay and the UVA Scholars' Lab (2013)

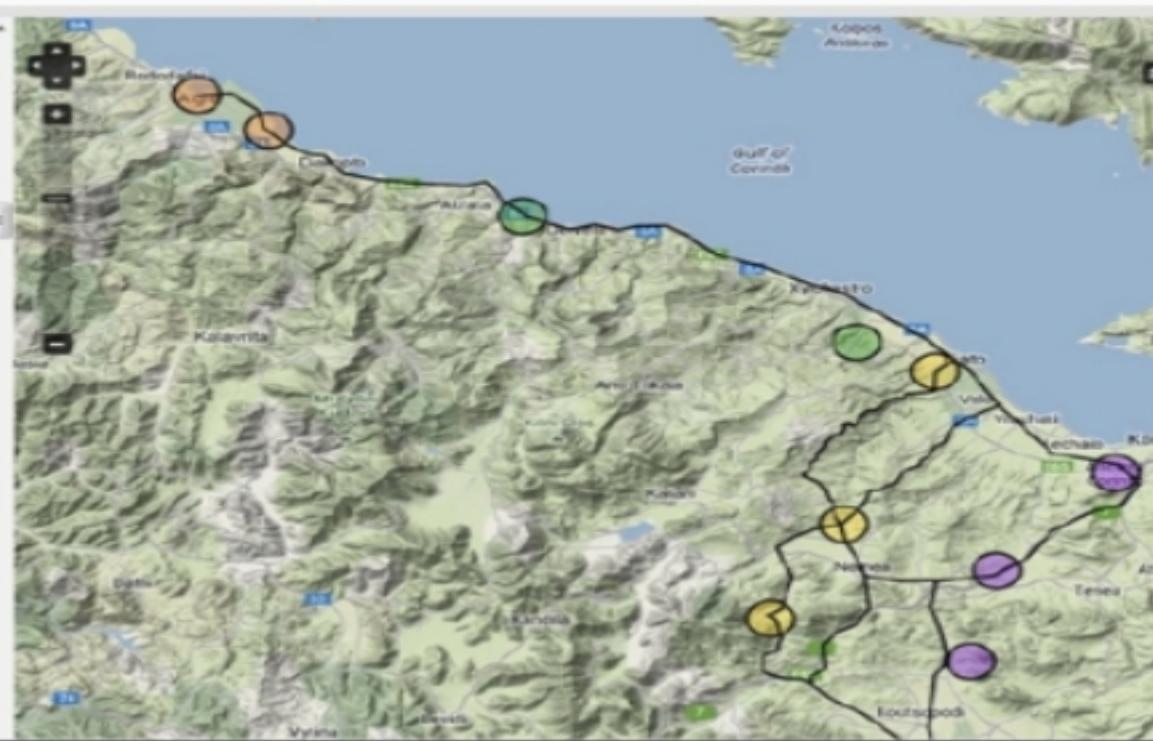
Mapping Homer's Catalogue of Ships

Mapping the towns in Homer's Catalogue of Ships to analyze underlying organizing principles for the narration

Mapping the Catalogue of Ships

Browse Exhibits :: About the Project :: Credits :: Home

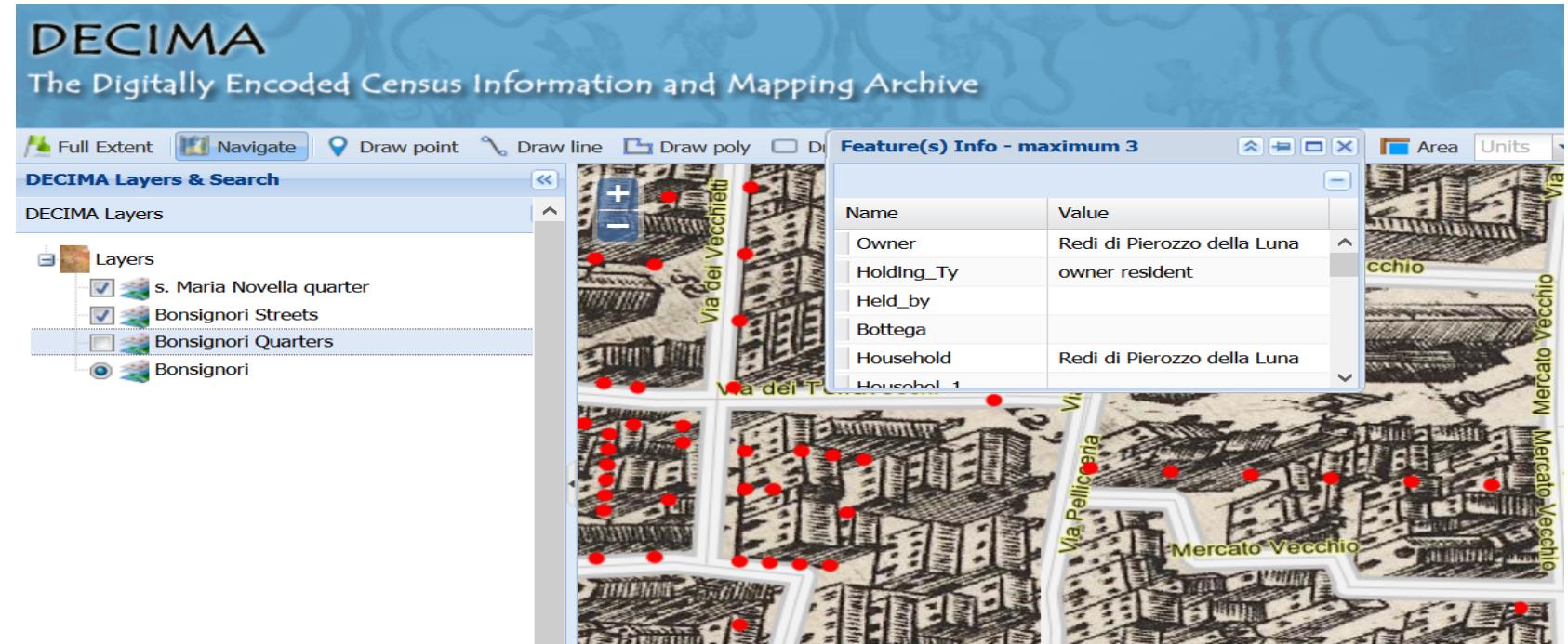
Μηκιστέος υἱὸς Ταλαιπονίδας ἀνάκτος·
συμπάντεν δ' ἦγετο βοήν ἀγαθός Διονυσίδης·
τοῖς δ' ἀμὲρι τῆρας πολεμῶντα μέλισσανατήρες ἔπεινεο.
Οἱ δέ Μικήνας εἶχον ἐντίμενον πετολίεθον
ἀφνεῖον τε Κόρινθον ἐντίμενας τε Κλεωνάς, (570)
Οὐγείας τ' ἐνέμοντο Αραιιθυσθήν τ' ἵστατεντήν
καὶ Σικυών', δόθ' ἀρ' Λαρησοτος πρῶτος ἀμβοσύλλευν,
οἱ θ' Υπερσοίην τε καὶ αἴπεντην Γονδεσσαν
Πελλήγην τ' εἶχον ἱδί' Αἴγιον ἀμφενέμονο
Αἴγιαλόν τ' ἀνά πάντα καὶ ὁμόθ' Εὔλικην εὑρεῖαν, (5
τῶν ἐκατόντων νηῶν ἡρῷες κρείων ἀγαμέμενων
Ἄτοξεῖς· ἀμα τῷ γε πολὺ πλεῖστοι καὶ ἀριστοι
Λαοὶ ἐποντε· ἐν δ' αὐτῷ ἐδύστετο νάρωπα χαλκὸν
κυδιώνων, πάσιν δὲ μετέπεστεν ἡσώστεν
ούντες ἀριστος ἐγν πολὺ δὲ πλείστους ἄγε λαούς. (5
Οἱ δέ εἶχον κοίλην λακεδαιμονία κτητίσσαν,



Project DECIMA

University of Toronto,
History Dept.

Onto a 16th century map of Florence, DECIMA maps census data about Florence's inhabitants, their occupations, wealth, and daily life.



ToposText: Ancient Texts + Maps

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**BEST USE
OF DH FOR PUBLIC
ENGAGEMENT
— 2016 Winner —**

TT





TEXTS	557
PLACES	5.658
CITATIONS	229.656

A huge library of ancient texts married to a detailed gazetteer, available on this web site and as a free mobile application for iOS and Android smart phones and tablets.

Mapping Ararat

MAPPING ARARAT

AN IMAGINARY JEWISH HOMELANDS PROJECT

Home

News

The Project

Historical Research

About the Team

Contact



Welcome to Mapping Ararat: An Imaginary Jewish Homelands Project. Using augmented reality, this project animates Major Mordecai Noah's 1825 unrealized plan to transform Grand Island, New York into Ararat, a "city of refuge for the Jews." Explore. Take a Tour. Learn. Imagine.



AR Walking Tour

View tourist shots -- Download a map -- Visit points of interest



Vernacular Culture

See our simulations of statehood -- stamps, postcards, money, flags



Site Visit Photos and Videos

Images of AR Walking Tours Videos of AR Walking Tours

Communication

Scholarly Writings, Public Engagement, Social Media, Teaching & Collaboration

Scholarly Books: The Networked Monograph

In addition to printed books, can scholarly monographs expand their forms to “take advantage [...] of the interactive, annotative, and computational affordances of the web”?

Donald J. Waters, “Monograph Publishing in the Digital Age” (2016)

Digitally augmented scholarly monographs (e.g. Mellon-funded collaboration between NYU Library and NYU Press)



Fully interactive and searchable online with primary sources and other works



Portable across reader applications



Capable of supporting metrics of use that respect user privacy



Maintained and preserved in its digital form



Economically sustainable



High quality as judged by peers



Able to support a user’s annotations independently of any particular reader technology



Reviewed and eligible for disciplinary prizes and awards



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VR/3D Printing for Cultural Heritage Collections: Small Wonders (AGO)

- Miniature boxwood carvings from the early 1500s
- Studied and exhibited through digital imaging (micro CAT scanning), VR, and 3D printing



Research Materials: Medieval Manuscripts and Social Media

Cat paws in a fifteenth-century manuscript (photo taken at the Dubrovnik archives by @EmirOFilipovic, disseminated by Eric Kwakkel)

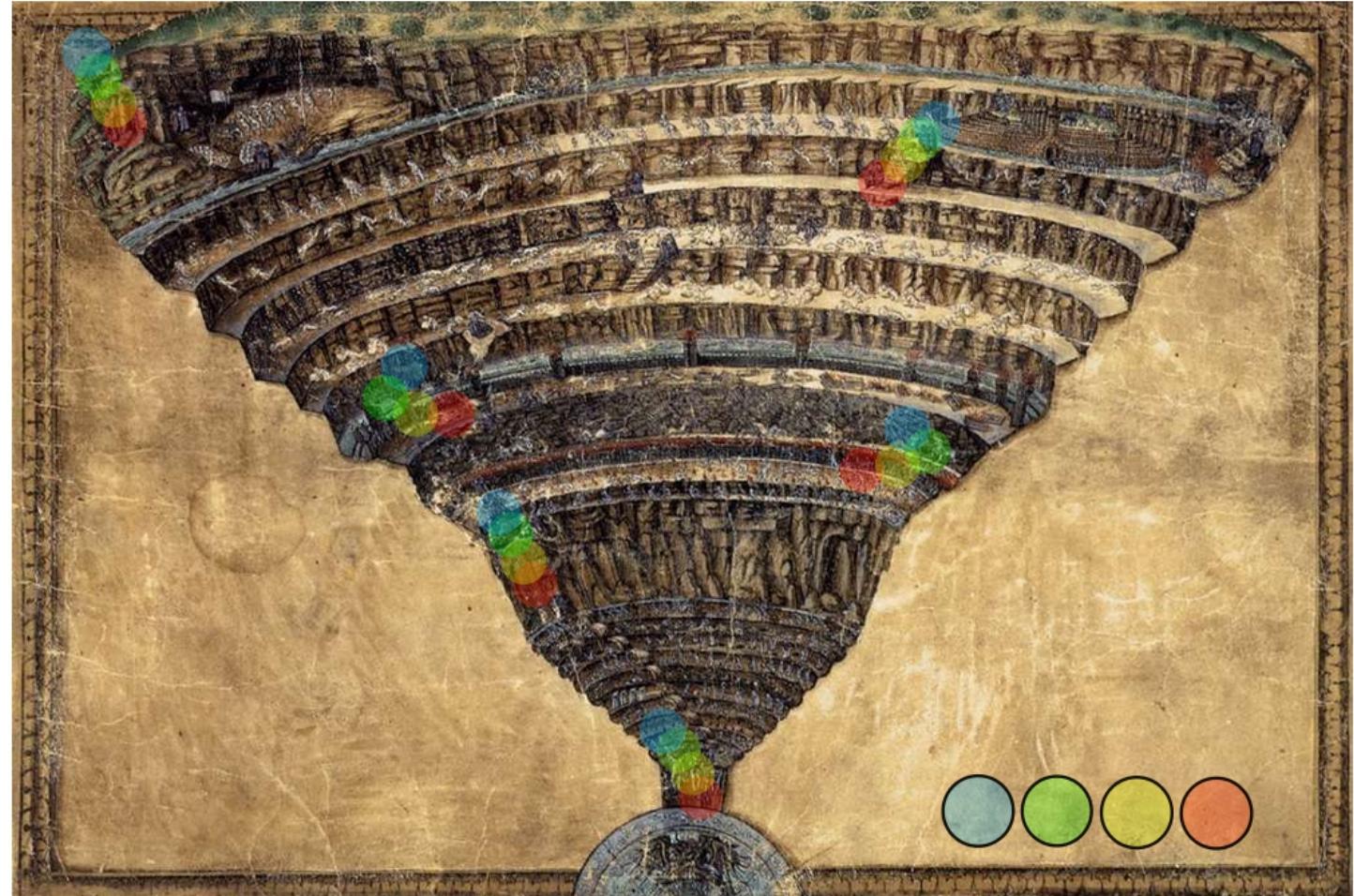


Teaching

Heather Eason: five artists' representations of threshold crossings in Dante's *Inferno*. Omeka/
Neatline undergraduate student project.

Liminal Representation in the Inferno

[View Fullscreen](#)



Collaboration & Infrastructures

Pigeons at Bathurst subway station. Photo: AB.



Course Syllabus