

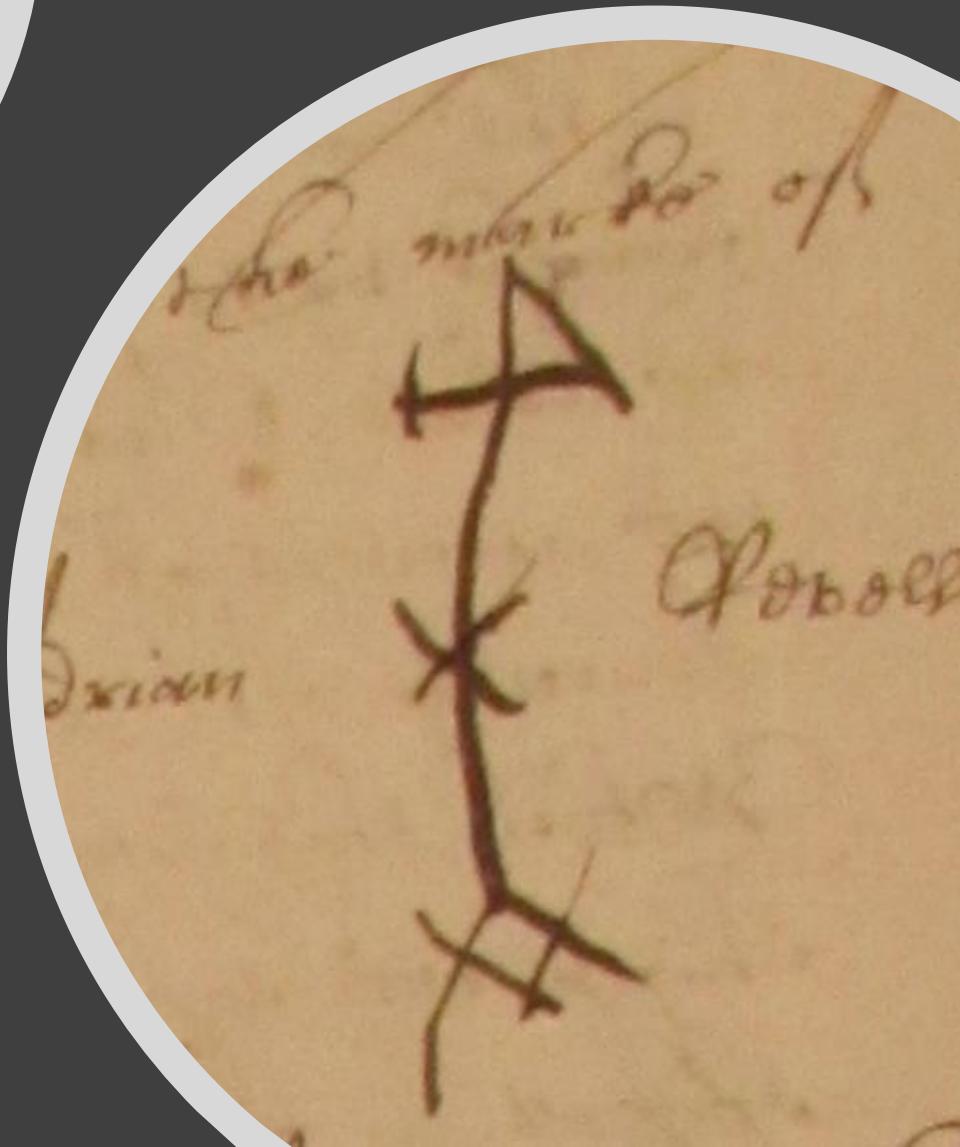
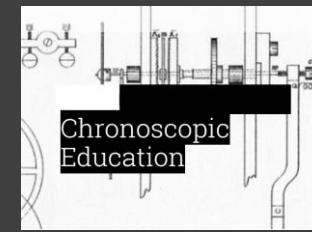
Tuesday, June 5, 2018

Stadsarchief Amsterdam

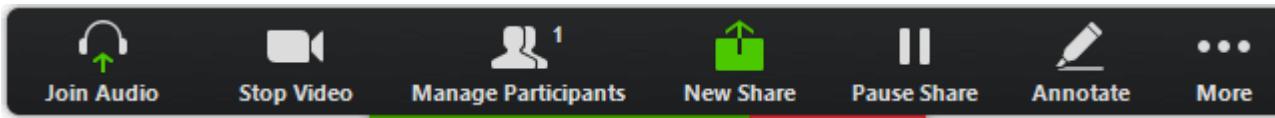
The Italian Room, 13.00-17.00 (CET)

Signs of Literacy
Workshop

Technology tools to explore historical literacy



Welcome to our ZOOM participants



- Our ZOOM Signs of Literacy workshop participants will each receive an emailed invitation with a URL link to the meeting
- The physical workshop is being held in the Italian Room at the Stadsarchief Amsterdam. It is being coordinated by Colin Greenstreet, Signs of Literacy community organiser, and is being hosted by Mark Ponte, acting project leader of the Alle Amsterdamser Akten project
- The workshop runs from 13.00-17.00 CET (12.00-16.00 London time, which is Greenwich + 1hr) on Tuesday, June 5th, 2018
- We have nine ZOOM workshop participants planning to attend from Austria, Barbados, England, Germany, the Netherlands, Scotland & Wales
- Please call out your names on joining the ZOOM meeting to confirm you have successfully joined the workshop
- For information on audio, video and screen sharing click on this link:
<https://support.zoom.us/hc/en-us/categories/201137166>



zoom Help Center SALES PLANS JOIN A MEETING SUBMIT A REQUEST Colin Greenstreet ▾

Zoom Help Center > Meetings & Webinars > Joining & Starting Follow

How Do I Join A Meeting?

Video

Join a Meeting

zoom Joining a Meeting

Published November 2016

Overview

In this article, we will discuss how to join an instant meeting through an email invite, an instant messaging invite, from the browser, from the Zoom desktop and mobile application, from a landline or mobile phone, and with a H.323 or SIP device.

Prerequisites

- Each meeting has a unique 9, 10, or 11-digit number called a Meeting ID that will be required to join a Zoom meeting
- If you are joining via telephone, you will need the [teleconferencing number](#) provided in the invite.

Additionally, you can test your connection to Zoom [here](#).

Today's agenda

WORKSHOP TIMETABLE

'Technology tools to explore historical literacy'

Coordinator: Colin Greenstreet for Signs of Literacy Community;
hosted by Mark Ponte at Stadsarchief Amsterdam

Tuesday, June 5th, 2018;

13.00-17.00 (Central European Time), 12.00-16.00 (British Summer time);

The Italian Room, Stadsarchief Amsterdam; by invitation

Times listed in draft timetable are Central European Time

13.00 – 14.00 SESSION ONE: Introduction & mariner literacy	
13.00 – 13.10	Personal introductions; introduction to Signs of Literacy community; role of technology in enabling the community [All; Colin Greenstreet]
13.10 – 13.20	Reading & literacy [Colin Greenstreet]
13.20 – 13.35	Literacy of C17th mariners: evidence from Alle Amsterdamser Akten (Amsterdam notarial archives) [Mark Ponte]
13.35 – 13.50	Literacy of C17th mariners & shore trades: evidence from English High Court of Admiralty [Colin Greenstreet]
13.50 – 13.59	Panel on mariner & shore trade literacy using English & Dutch evidence [Mark Ponte; Colin Greenstreet; Dr Jelle van Lottum]
14.00 – 14.09 BREAK	
14.10 – 15.00 SESSION TWO: Technology themes & discussion	
14.10 – 14.15	Discussion: Technology tools and processes currently in use in archives of relevance to historical literacy [All]
14.15 – 14.45	The potential of IIIF [Discussion led by Glen Robson]
14.45 – 15.15	The potential of Transkribus [Discussion led by Colin Greenstreet, with input from Thomas van Maaren & Mark Ponte]
15.15 – 15.45	The potential of Recogito annotation tool under development by Pelagios project team [Discussion led by Dr Rainer Simon]
15.50 – 15.59 BREAK	
16.00 – 17.00 SESSION THREE: Pattern recognition & machine learning applied to marks, initials & signatures at scale	
16.00 – 16.10	Required technologies [Colin Greenstreet]
16.10 – 16.15	Our original proposal for a five day Data Study Group, developed with the Alan Turing Institute (Colin Greenstreet/Dr Mark Hailwood)
16.15 – 16.30	Our current proposal to run a Signs of Literacy Kaggle Research Competition, November 2018-early January 2019 [Colin Greenstreet/Dr Mark Hailwood/Mark Ponte]
16.30 – 17.00	Discussion [All]

SESSION ONE

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SESSION ONE: Introduction & mariner literacy

**Part One: Personal introductions; introduction
to Signs of Literacy community; role of
technology in enabling the community**

Colin Greenstreet

Introductions

PARTICIPANTS

Nga Bellis-Phan (PhD candidate, legal historian, Paris Assas II)

Sara Caputo (PhD candidate, social historian, Cambridge) [BY ZOOM, Cambridge, England]

Colin Greenstreet (co-director, MarineLives; community organiser, Signs of Literacy)

Dr Mark Hailwood (lecturer, social historian, Bristol) [BY ZOOM, Bristol, England]

Marc Holtman (head of digitisation, Stadsarchief Amsterdam)

Amalia S. Levi (Freelance archivist, The HeritEdge Connection Inc) [BY ZOOM, Barbados]

Filotas Liakos (MA student, history/archival studies, University of Leiden) [BY ZOOM, Rotterdam]

Dr Jelle van Lottum (senior researcher, social & economic historian, Huygens Institute)

Thomas van Maaren (sales engineer, Picturae)

Marc Ponte (acting project leader, Alle Amsterdamser Akten, Stadsarchief Amsterdam)

Jirsi Reinders (data curator, Alle Amsterdamser Akten, Stadsarchief, Amsterdam)

Glen Robson (technical coordinator, International Image Interoperability Framework [IIIF]) [BY ZOOM, Wales]

Dr Rainer Simon (senior scientist, Digital Insight Lab, Austrian Institute of Technology; technical director, Recogito) [BY ZOOM, Austria]

Eric Schmitz (researcher, curator, Stadsarchief Amsterdam)

Zora Steiner (web editorial board; Europeana Rise of Literacy project, Staatsbibliothek zu Berlin/Berlin State Library) [BY ZOOM, Germany]

Moray Teale (Europeana Rise of Literacy project coordinator, Collections and Research department, National Library of Scotland) [BY ZOOM, Scotland]

Marjolein de Vos, data ingestion specialist, Europeana [BY ZOOM, Netherlands]

Chronoscopic Education social aims

Fig.I.

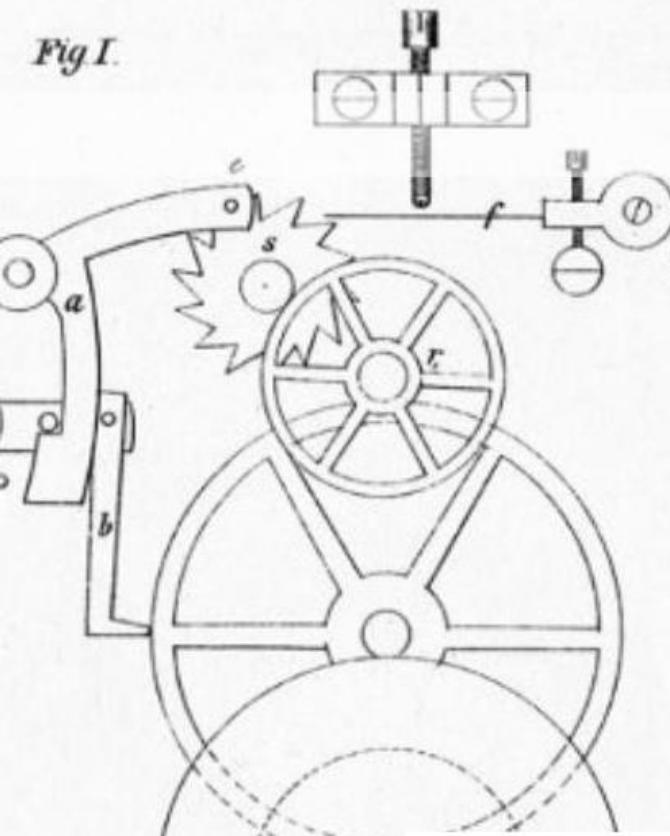
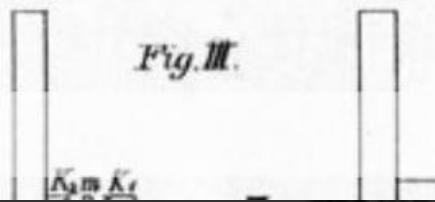


Fig.II.



Hirsch Chronoskopische Versuche.

Fig.V.

The aims of Chronoscopic Education are threefold:

- (1) To further the teaching of palaeographic, digital research and project management skills, at universities and schools.
- (2) To apply insights from small teams in management consultancy and R&D project management, together with tools from data science, to the subject matter of history.
- (3) To build a virtual manuscript-based archive and associated research community, which will foster a culture of collaborative scholarship.

Project portfolio

<http://www.chronoscopic.org>

MarineLives



Signs of Literacy



Maphackathon



EM Textiles, Garments & Dyestuffs Glossary



EM Maritime & Mercantile Gazetteer



Chronoscopic Education trustees



<https://www.linkedin.com/in/colin-greenstreet-7434b9/> ;

<https://www.linkedin.com/in/bob-egan-57406211/> ;

<https://www.linkedin.com/in/ngabellis/>

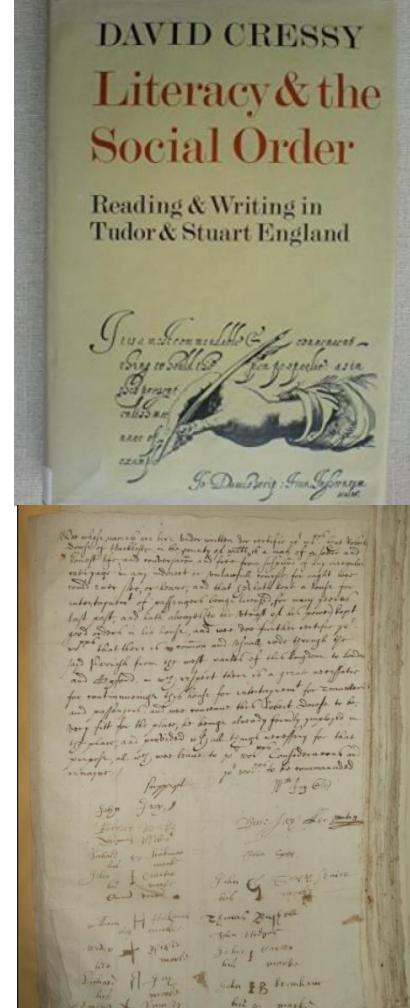
Signs of Literacy

Signs of Literacy is a community for collaborative research into historical literacy.

The community has been initiated by the social venture Chronoscopic Education, the MarineLives project and by social historians, Dr Mark Hailwood (Bristol) and Mark Ponte (Alle Amsterdamse Akten, Stadsarchief Amsterdam).

Questions we are addressing include:

- Who in the late C16th, C17th and early C18th could read and write?
- How did they become literate?
- How did literacy vary between occupation and location?
- By age cohort?
- By country?
- Were there adult learners?
- How did oral facility with multiple languages map (or not) to the literacy of reading and writing?



X Gemeente
X Amsterdam
X Stadsarchief



Community initiators

Colin Greenstreet

Founder, Chronoscopic Education

Community organiser, Signs of Literacy

Dr Mark Hailwood

Social historian, University of Bristol

Mark Ponte

Acting project leader, Alle Amsterdamser Akten,

Stadsarchief Amsterdam

Email:

colin.greenstreet@gmail.com

m.hailwood@bristol.ac.uk

m.ponte@amsterdam.nl

Weblinks:

<http://chronoscopic.org>

<http://marinelives.org>

<http://signsofliteracy.org>

<http://alleamsterdamseakten.nl>

GitHub:

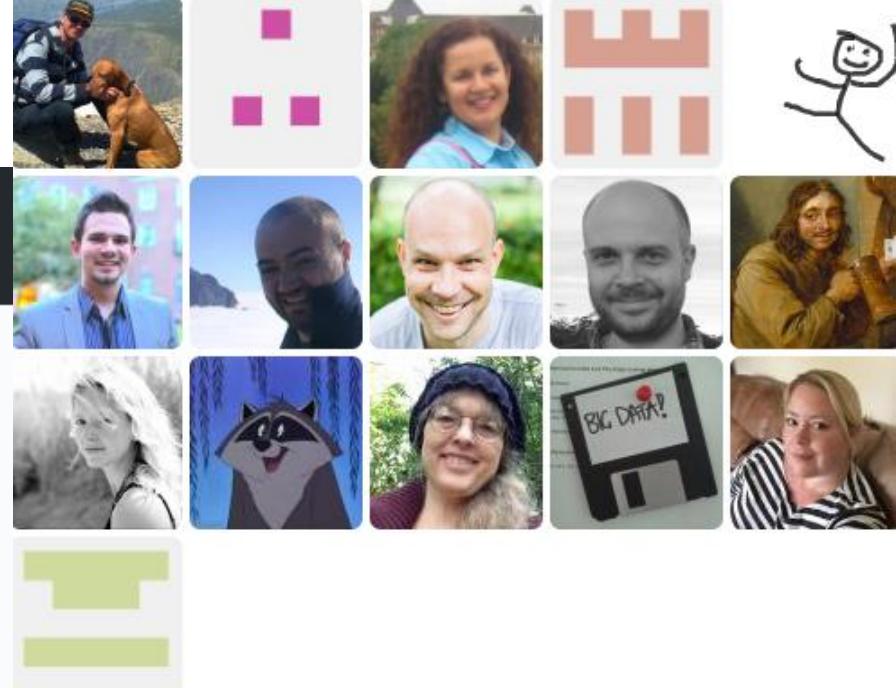
<https://github/Signsofliteracy/Signoff>

Twitter:

Marinelivesorg



Signs of Literacy GitHub Organisation

[This organization](#)[Search](#)[Pull requests](#) [Issues](#) [Marketplace](#) [Explore](#)

Signs of Literacy

A community project for collaborative research into historical literacy

<http://signsofliteracy.org/>

[Repositories 1](#)[People 16](#)[Teams 5](#)[Projects 1](#)[Settings](#)

Type: All ▾

Signoff

Tools for the study of historical literacy

[kaggle-competition](#)[machinelearning](#)[iiif](#)

Community events

Events planned for 2018

Conference presentations

- IIIF Conference, Monday, May 21st - Friday, May 25th, 2018, Washington D.C.: Colin Greenstreet (MarineLives), 'Creating an IIIF/Transkribus/Recogito Enabled Manuscript Community to Explore C17th Literacy'
- DH Benelux, Amsterdam, Wednesday, June 6th - Friday, June 8th, 2018: Nga Bellis-Phan (Paris 2 Pantheon-Assas) and Colin Greenstreet (MarineLives), 'MarineLives corpus of 17th century legal records. An example of cross-disciplinary reuse of structured & semi-structured text corpora'
- Digital Humanities Congress, University of Sheffield, September 6th-8th, 2018: Mark Hailwood (Bristol) and Colin Greenstreet (MarineLives), 'Revisiting Historical Literacy: the Potential of Digital Humanities Approaches'

Other communications

- [IIIF Community Call, Wednesday, April 25th, 2018](#): Analyzing markes, initials & signatures using IIIF images

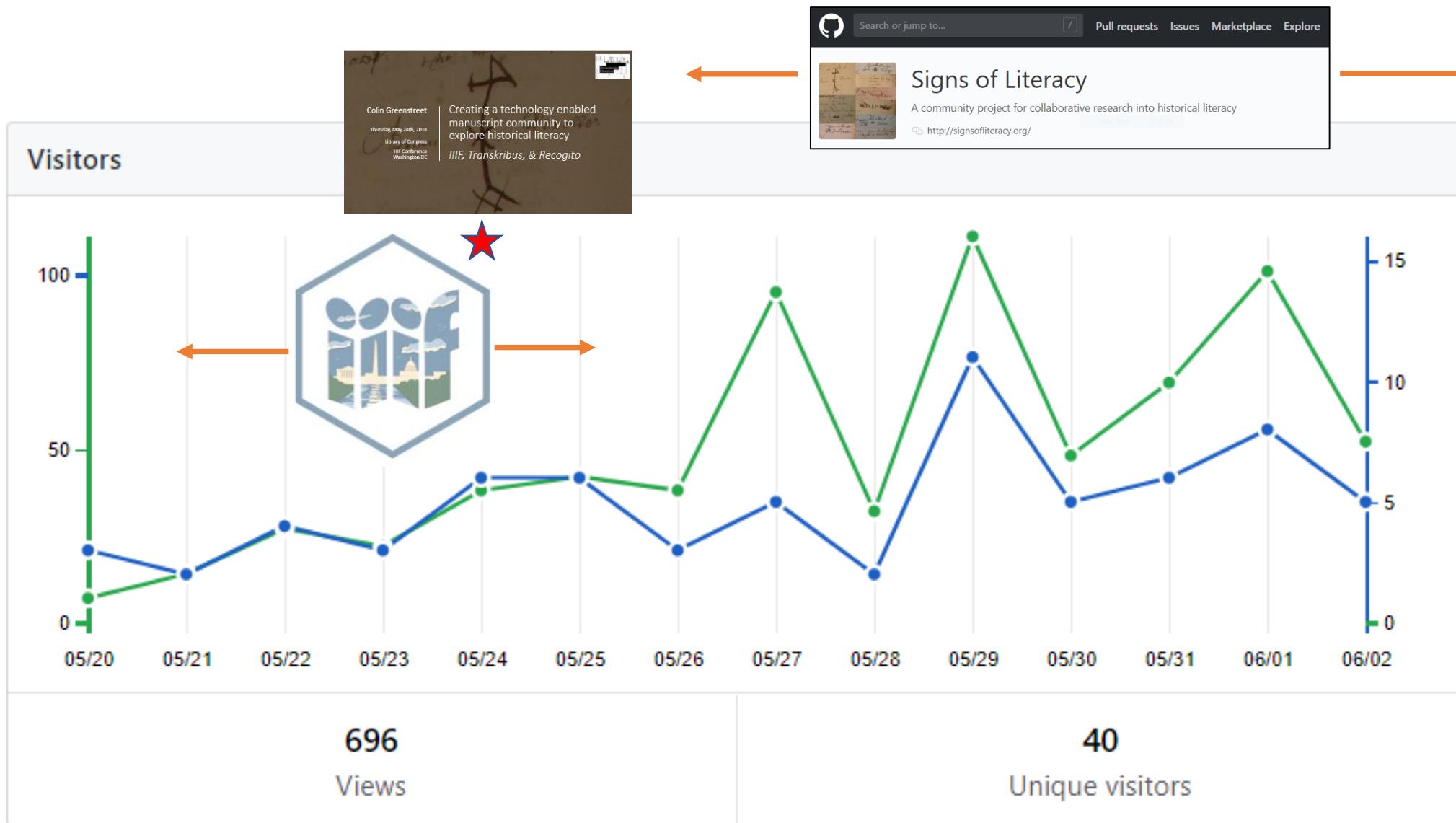
Workshop

- Stadsarchief Amsterdam, Tuesday, June 5th, 2018, 13.00-17.00, The Italian Room: 'Technology Tools to Explore Historical Literacy', hosted by Mark Ponte of the [Alle Amsterdamse Akten project](#) (Amsterdam notarial archives). [CLICK HERE FOR FINAL AGENDA, TIMETABLE AND PARTICIPANTS](#)

Kaggle Research Competition

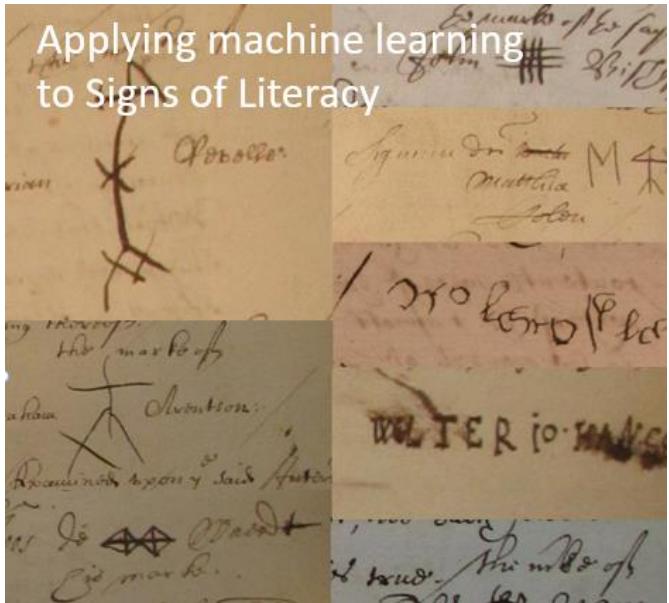
- We are organising a [Kaggle Research Competition](#) to run from November 2018 to mid-January 2019 to develop a Proof of Concept for algorithmic identification of markes, initials and signatures. This will draw on our previous work on ['Pattern recognition of signatures and markes in historical manuscripts as a basis for sub-population identification'](#).

Impact of IIIF conference & GitHub



A technology enabled manuscript community ...

... to explore historical literacy



There is a better way...



Recogito |  AN INITIATIVE OF
Pelagios
commons



Screenshot of the Kaggle competition interface for the Signs of Literacy Kaggle Research Competition, 2018. The interface shows various competition details, including the title, logos for Kaggle and Microsoft Azure, and sections for data, models, and leaderboards. Below the interface, there is descriptive text about the competition.

Signs of Literacy Kaggle Research Competition, 2018
Colin Greenstreet on LinkedIn
April 30, 2018

Design principles

- Low cost
- Sustainable
- Interoperable
- Standardised
- Breadth of support
- Engaging the technical community

User requirements

- Automatic identification of manuscript pages containing signoffs
- Markup of manuscript pages to isolate signoffs (marks, initials, signatures)
 - Hand markup of manuscript pages, but ideally automated markup
 - Signoffs can be single or multiple, for single or multiple depositions
 - Deponent signoffs; interpreter signoffs
- Automatic differentiation between classes of marks, initials and signatures
- Automatic differentiation within each class as to sophistication of execution & other parameters as a surrogate for literacy
- Automatic identification of manuscript pages containing deponent metadata (name; age; occupation; place of residence; date of deposition)
- Markup of manuscript pages to isolate deponent metadata
- Hand writing text recognition of deponent metadata and associate metadata with correct signoff
- Geo-referencing of signoffs
 - Display signoffs and/or manuscript pages containing signoffs by georeferences

SESSION ONE: Introduction & mariner literacy

Part Two: Handwriting and literacy Colin Greenstreet



Presentation structure

- Early modern technology of literacy
- Manuscript sources
- Secondary literature

Learning the alphabet, C21st & late C16th/early C17th

Name _____

ALPHABET PRACTICE CHART

Trace the letters.

Aa Bb Cc Dd

Ee Ff Gg Hh

Ii Jj Kk Ll Mm

Nn Oo Pp Qq

Rr Ss Tt Uu Vv

Ww Xx Yy Zz

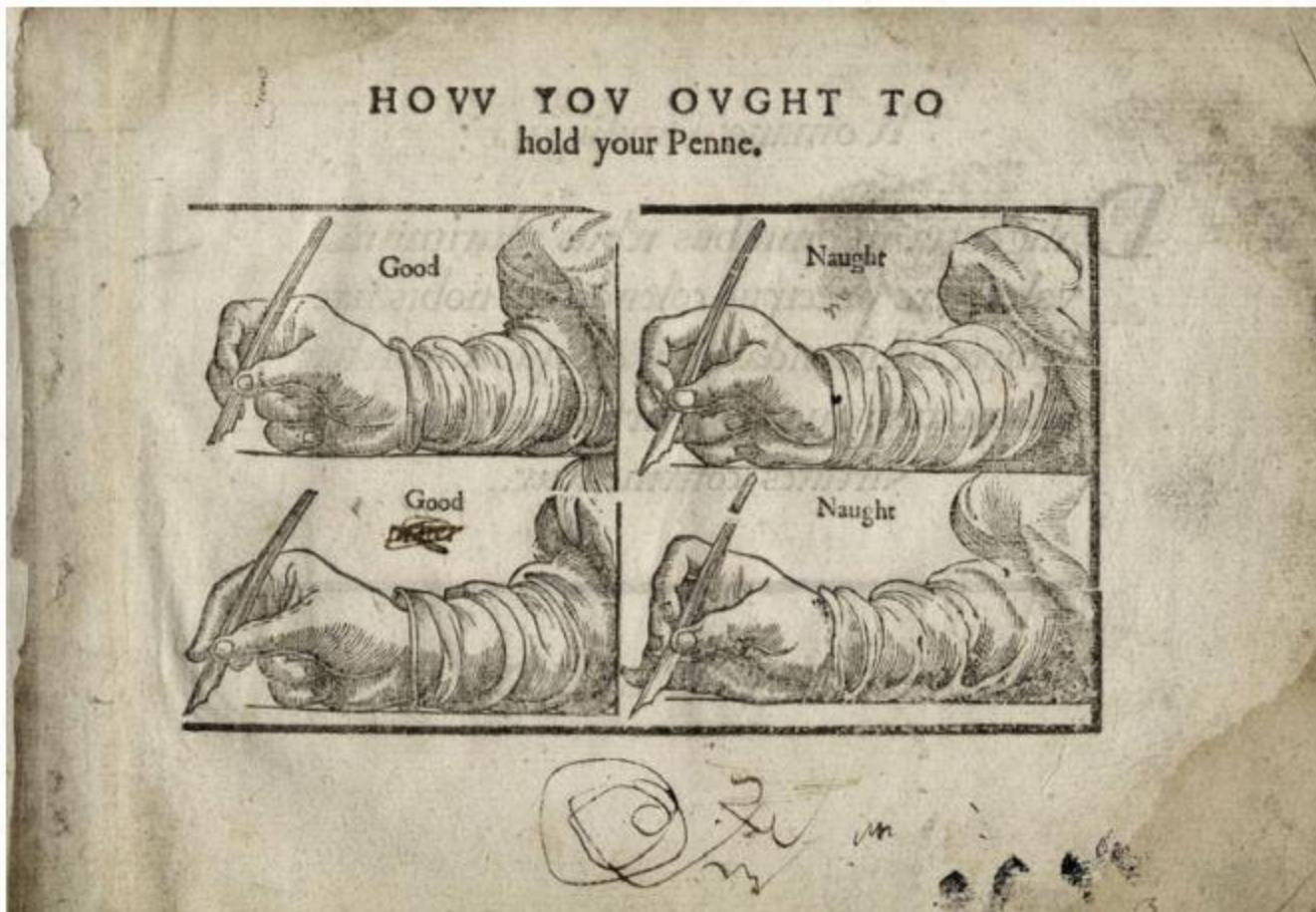


'Printable sheets for learning Alphabet: Alphabet Practice Chart',
<https://printable360.com/printable-worksheets-for-learning-alphabet/printable-worksheets-for-learning-alphabet-learning-the-alphabet-worksheets-24/>

'Grammatica, De zeven vrije kunsten (serietitel)', Cornelis Jacobsz. Drebber, naar Hendrick Goltzius, 1587 – 1605, gravure, h 175mm x b 130mm, rijksmuseum, Netherlands, <https://www.rijksmuseum.nl/nl/collectie/RP-P-1917-10>

Copybook, 1602

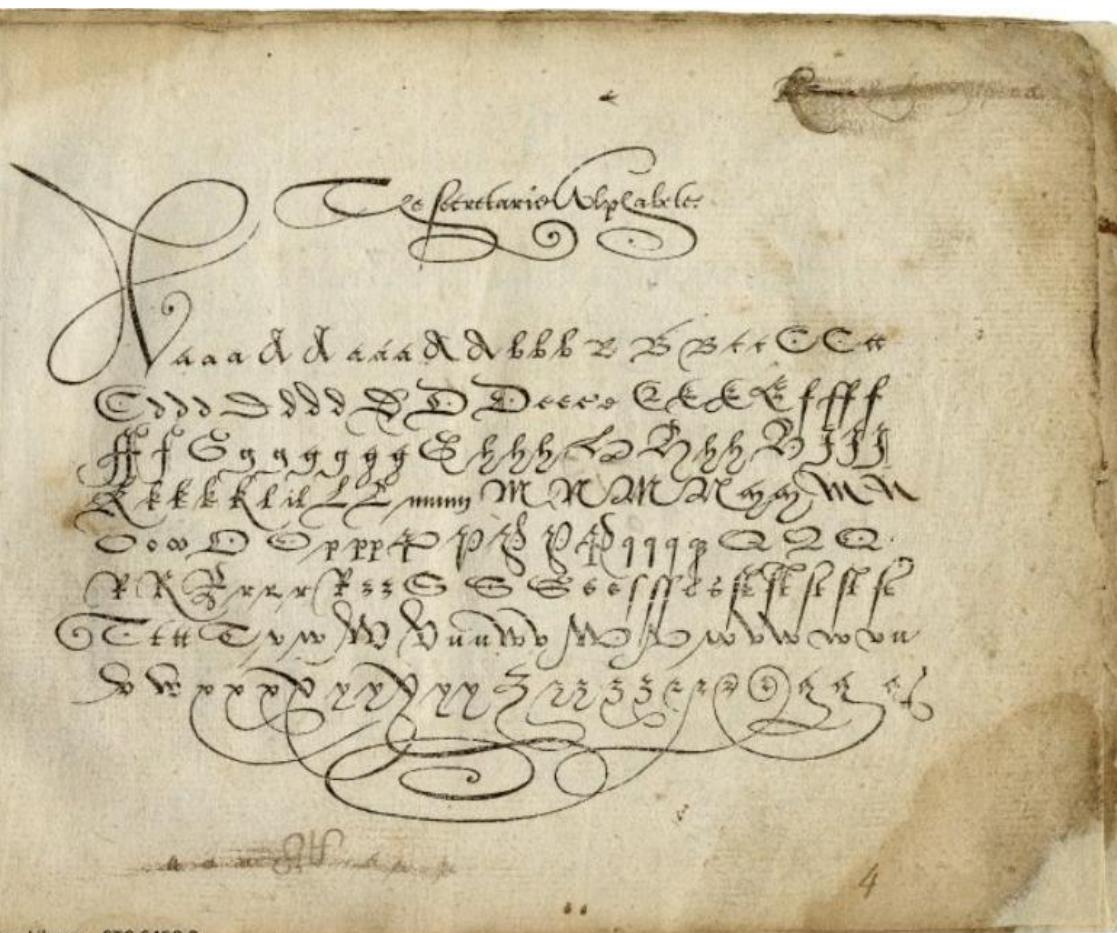
Jehan de Beau-Chesne and John Baildon, A booke containing diuers sortes of hands (London, 1602)



A page from the 1602 copybook, *A Work Containing Divers Sorts of Hands*. [Image: Folger Shakespeare Library/CC BY-SA 4.0]

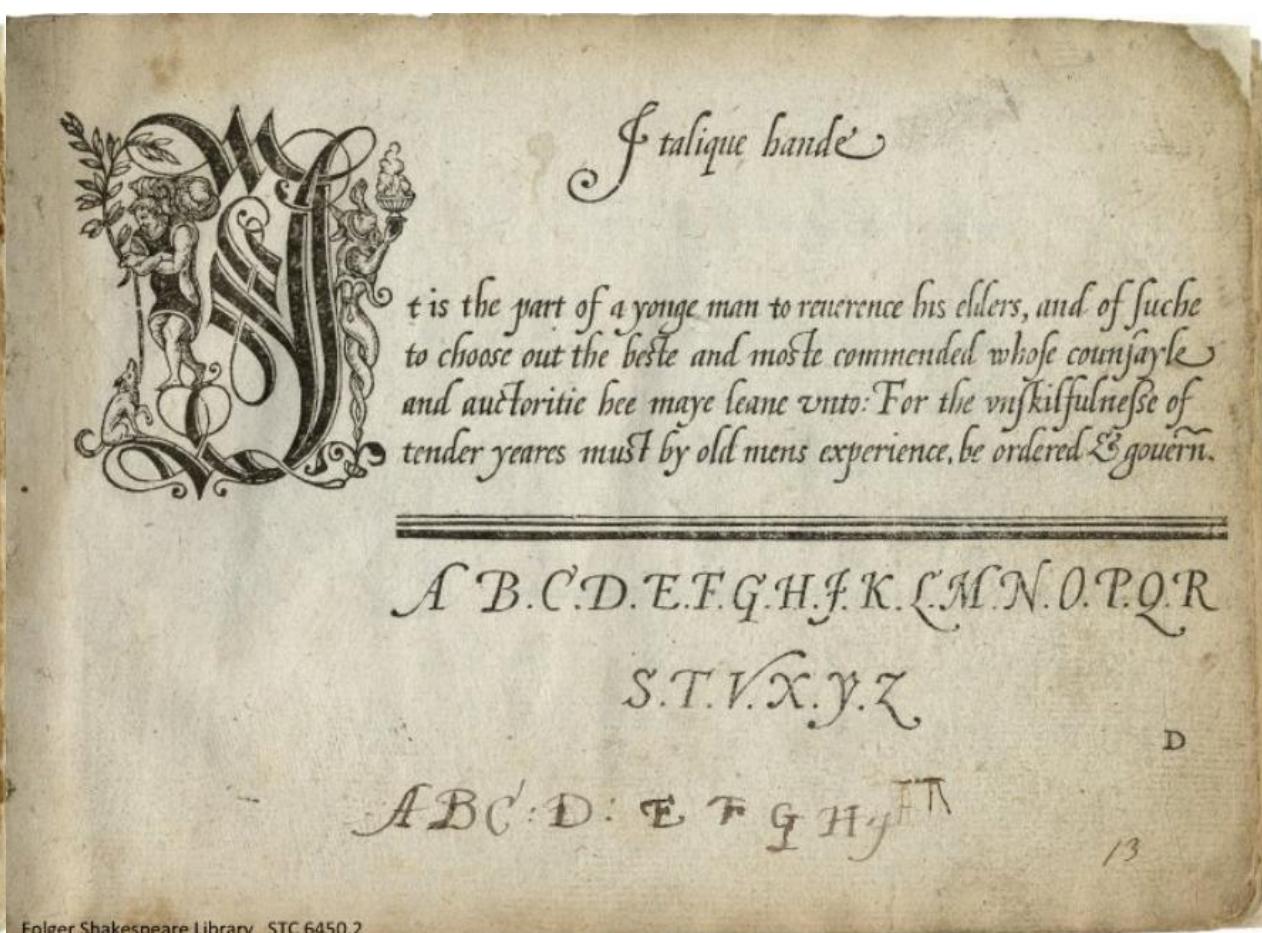
Copybook, 1602

The secretaire Alphabete



Folger Shakespeare Library STC 6450.2

The italique hande



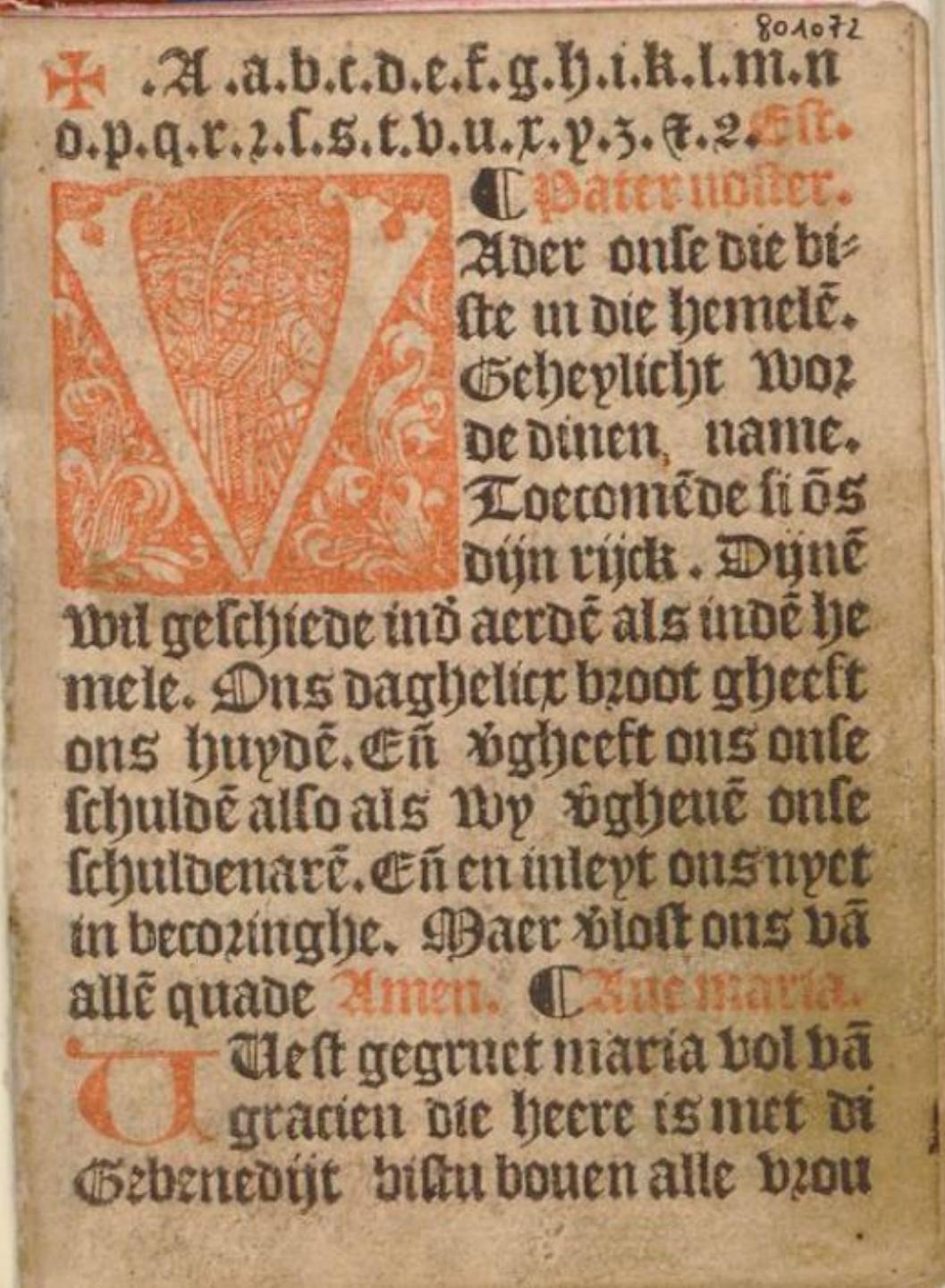
Folger Shakespeare Library STC 6450.2

Copybook, ca. 1800

Tristram Little's copy book, early 1800s

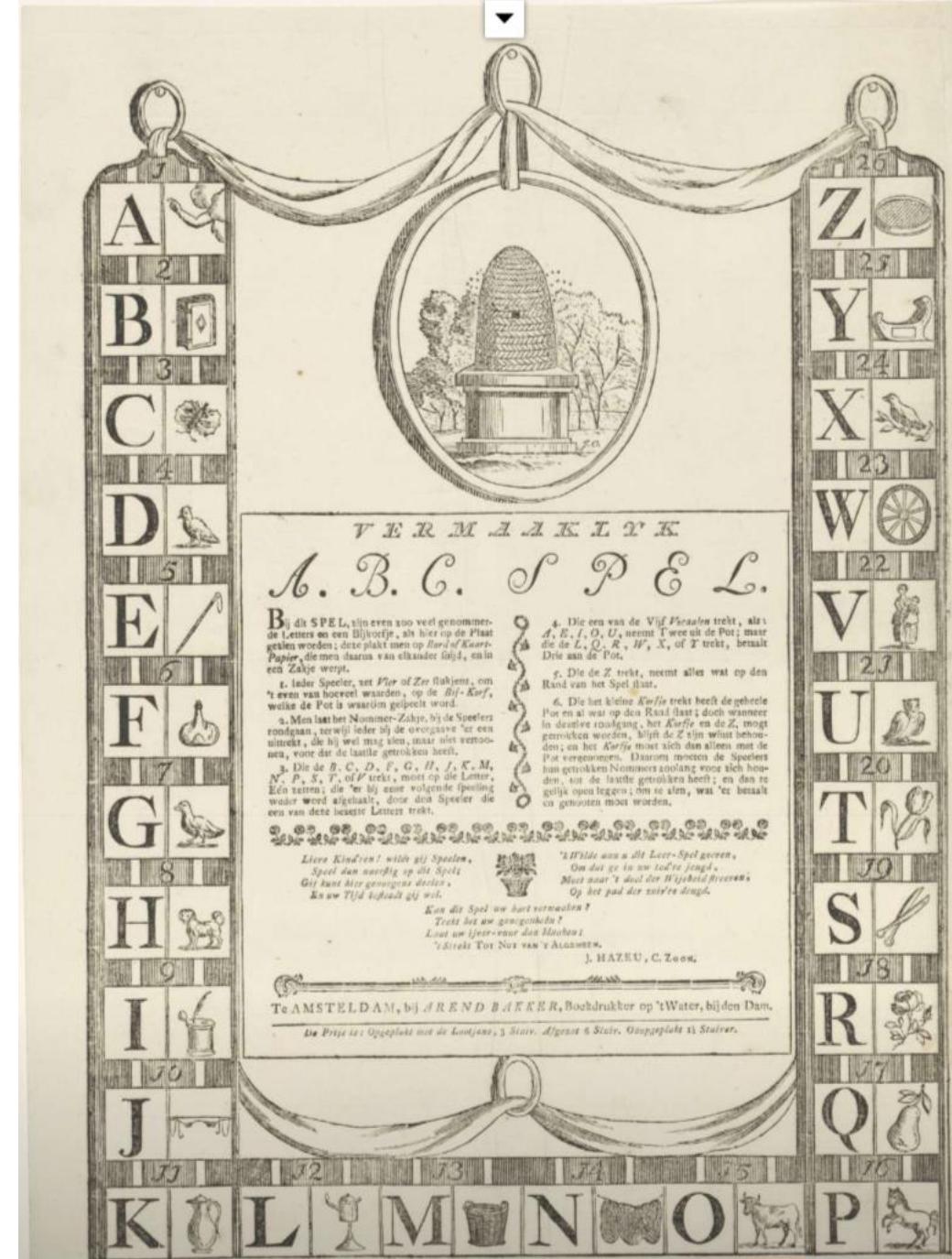


School book, c. 1542-1546, Antwerp



" +.A.a.b.c.d. ... Pater noster. Vader onse die biste in die hemele[n] ...', in Antwerp] : [bi](#)
[mi Jan van Loe](#) [Loe, van der, Jan], [c.1542-1546], [4] fol. 8°[A]⁴,
<https://dams.antwerpen.be/asset/h7NPQTwJgQOdiZOkYcyPnKcZ/UhmqTOiJMbrQEOKPMKCg4Oj>

ABC-spel, ca. 1780-1795



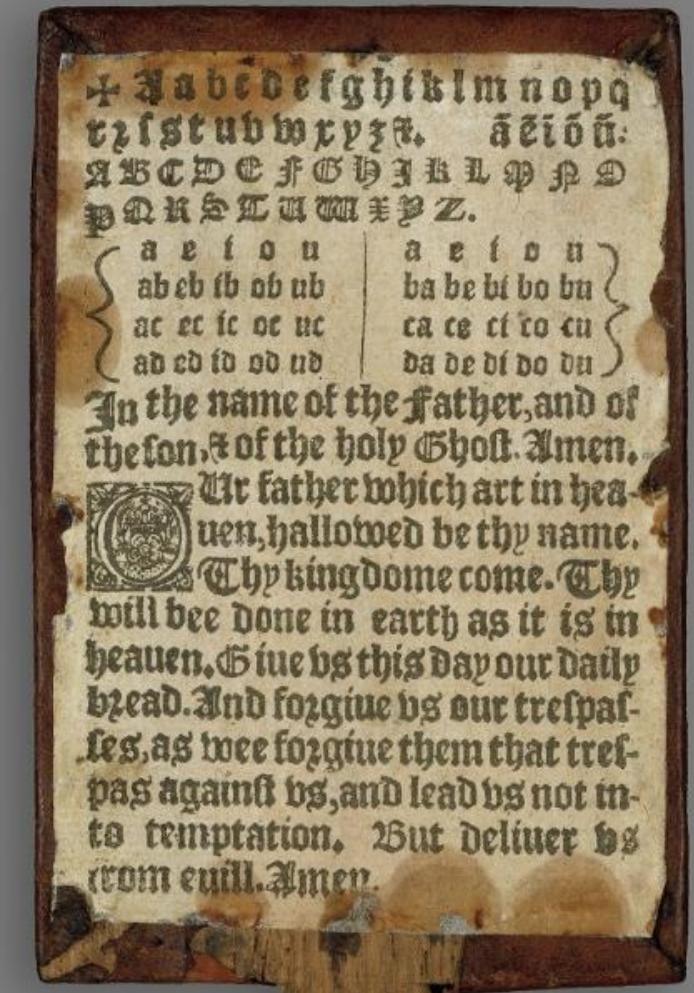
'ABC-spel, ca. 1780-1795, Jan Oortman (Sr.), 1778-1795, print,
houtsnede met tekst in boekdruk, h 412mm x b 303mm, Rijksmuseum, Netherlands,
<https://www.rijksmuseum.nl/nl/collectie/RP-P-OB-88.078>

Hornbooks

Discovered in the thatch of a Farmhouse at Middleton, by Youlgrave, Derbyshire, and preserved in the Bateman Museum at Lomberdale House. Period of the Commonwealth.



THE MIDDLETON HORNBOOK.



C17th-hornbook from Derbyshire, England,

<https://www.europeana.eu/portal/en/record/2058629/5010.html> ;

Hornbook, ?London, 1630, [Luna: Folger Digital Image Library, item 3304](#) ;

<http://colonialdays.pbworks.com/w/page/16140818/Hornbook>

Hornbooks in action

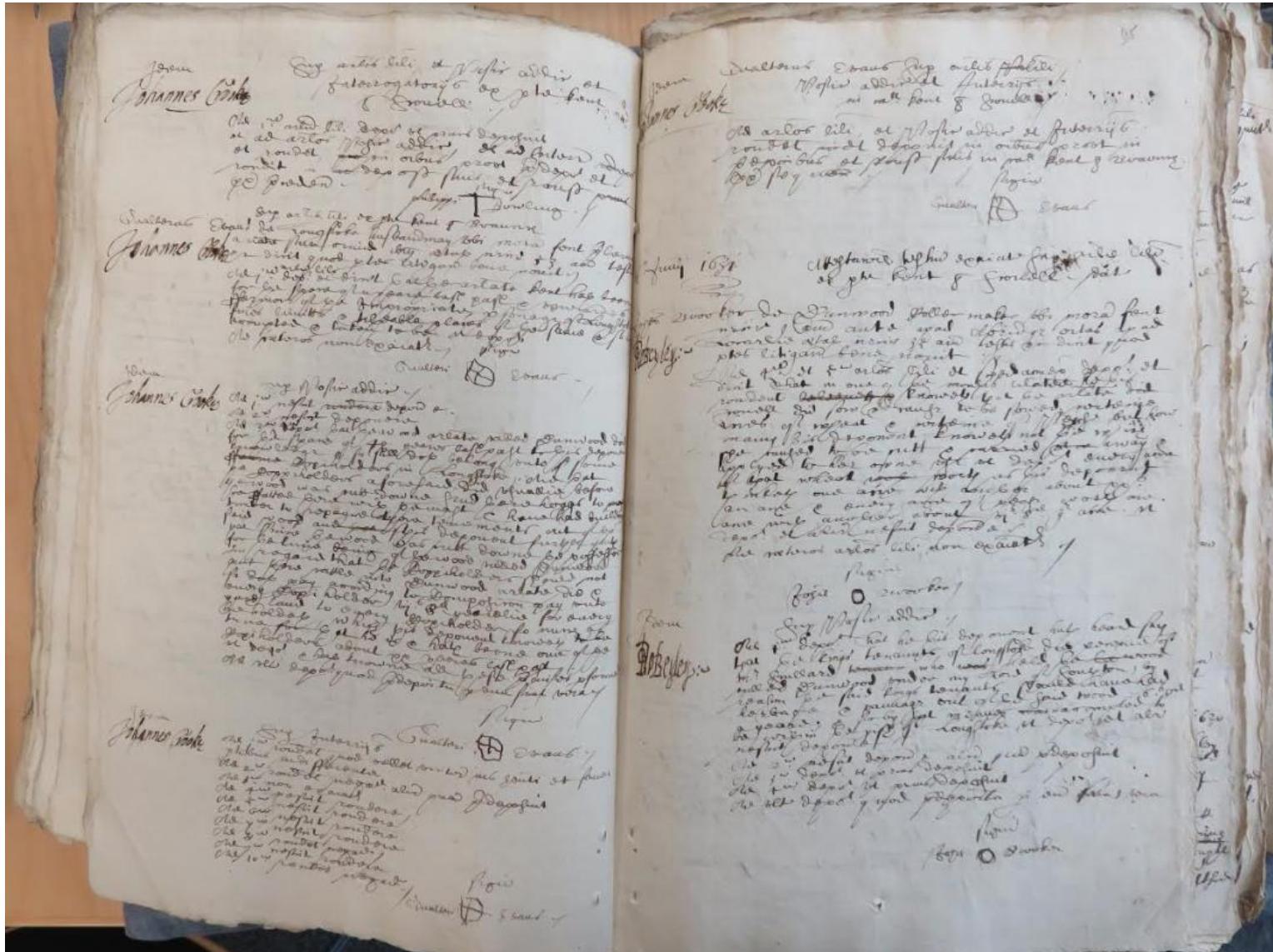


Boy with hornbook on painting by Jurriaen Ovens, Regents of the Civic Orphanage (Burgerweeshuis) in Amsterdam, 1663

Petition, 1632

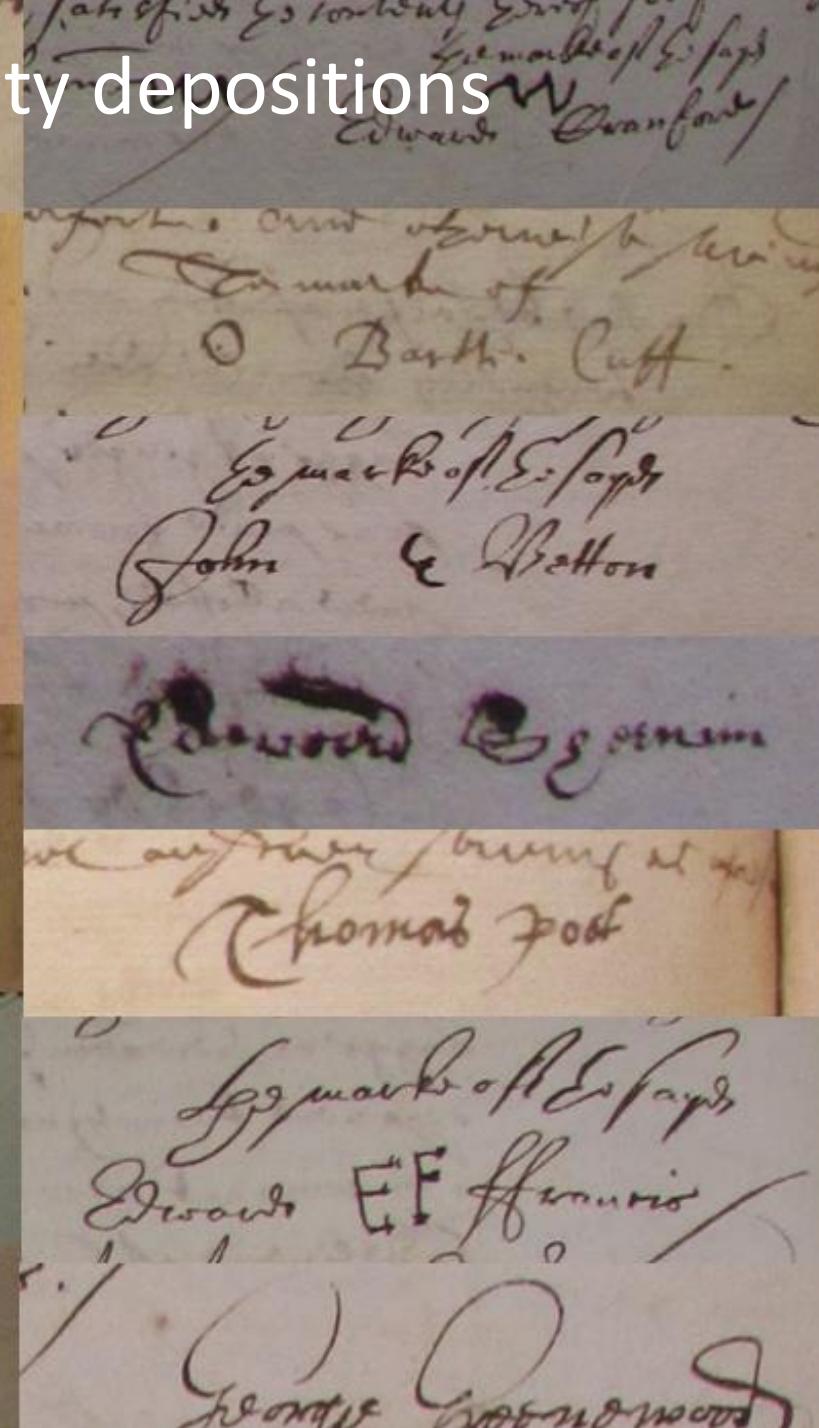
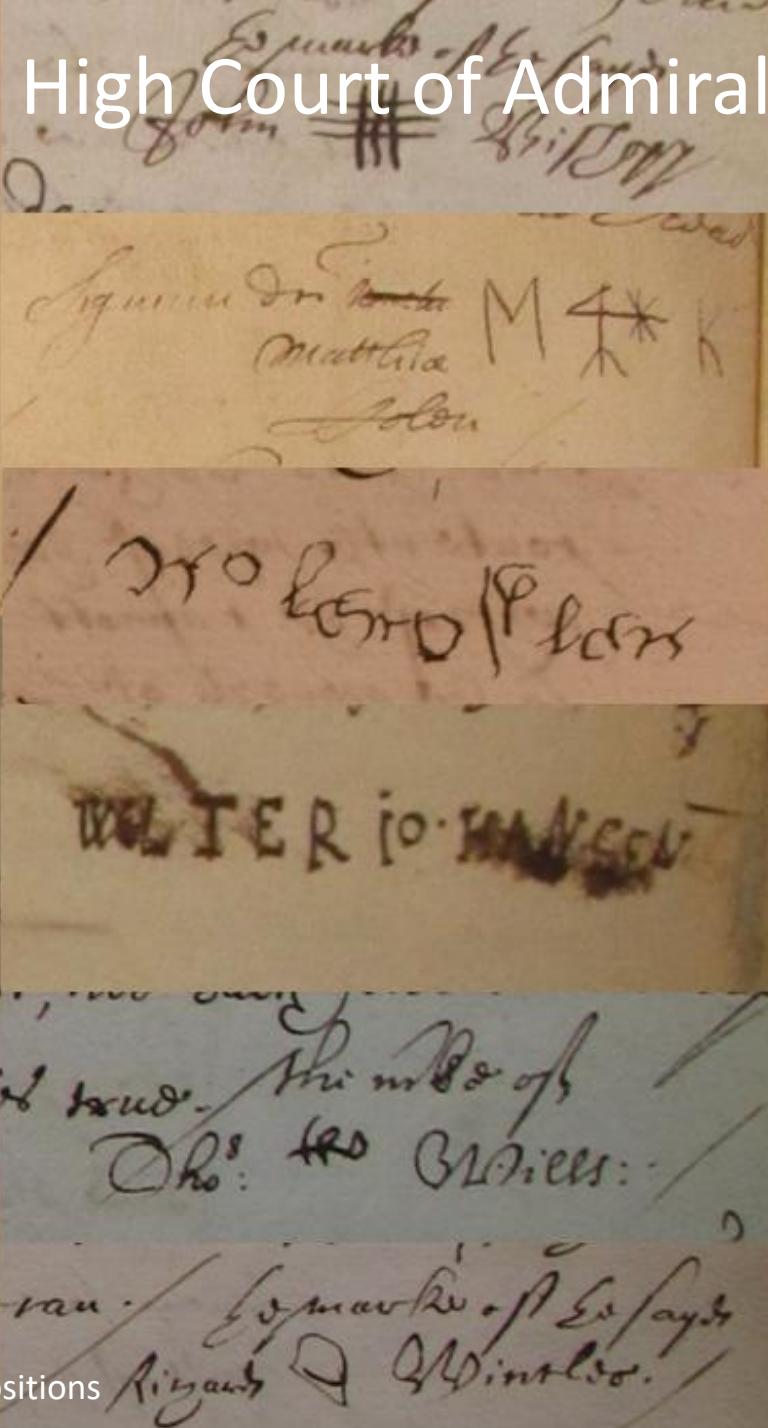
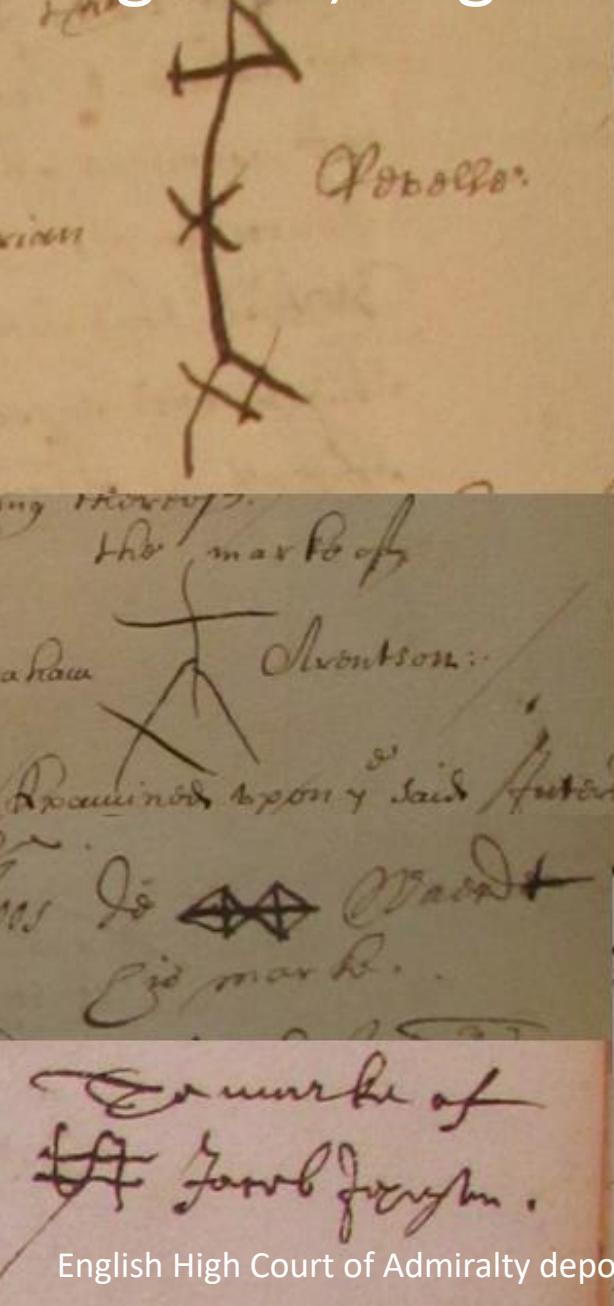
Sign offs on the back of a petition (from Wiltshire Quarter Sessions, 1632),
Wiltshire and Swindon History Centre (WSHC),
photograph by Dr Mark Hailwood (Bristol)

Depositions, Hampshire Church Courts, 1631



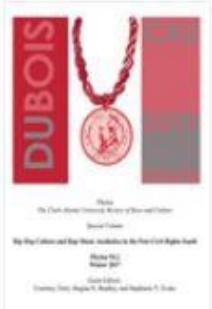
Sign offs on a deposition (from the Hampshire Church Courts, 1631), Hampshire Record Office (HRO), photograph by Dr Mark Hailwood (Bristol)

Signoffs, English High Court of Admiralty depositions



Historic accounts of literacy acquisition

[Phylon \(1960-\)](#) / [Vol. 44, No. 3, 3rd Qtr., 1983](#) / "We Slipped and Lear...



JOURNAL ARTICLE

"We Slipped and Learned to Read:" Slave Accounts of the Literacy Process, 1830-1865

Janet Cornelius

Phylon (1960-)

Vol. 44, No. 3 (3rd Qtr., 1983), pp. 171-186

Published by: [Clark Atlanta University](#)

DOI: 10.2307/274930

Stable URL: <http://www.jstor.org/stable/274930>

Page Count: 16

Topics: [Former slaves](#), [Literacy](#), [Writing instruction](#),
[Bible](#), [Reading instruction](#), [Learning](#), [Plantations](#),
[Preachers](#)

Were these topics helpful?

[See something inaccurate? Let us know!](#)

Learning to Read and Write in Colonial America



Janet Cornelius, *Phylon: The Clark Atlanta University Review of Race and Culture*, "'We slipped and learned to read:' Slave accounts of the literacy process, 1830-1865', Vol. 44, No. 3 (3rd Qtr., 1983), pp. 171-186, <http://www.jstor.org/stable/274930> ; E. Jennifer Monaghan, [Learning to read and write in colonial America](#) (Amherst & Boston, 2005)

E. Jennifer Monaghan

Reading, writing & initialing

Journal of British Studies 54 (July 2015): 553–577. doi:10.1017/jbr.2015.61
© The North American Conference on British Studies, 2015

Reading, Writing, and Initialing: Female Literacy in Early Modern London

Eleanor Hubbard

Abstract This article reopens the vexed question of how many women in early modern England could read by calling attention to the precise ways in which women marked, initialed, and signed legal depositions in late sixteenth- and early seventeenth-century London. It shows that initialing and signing were closely correlated skills, and it argues that women who wrote their initials had begun to learn how to read. Using initials as a proxy for elementary reading literacy, it goes on to map female literacy in early modern London, showing that urban upbringings fostered female literacy and that reading literacy was far more broadly socially diffused than the ability to write. Changes in initialing patterns as women aged suggest that women found reading to be useful and relevant to their lives, and that literacy carried social prestige.

Methodologies

Colin Greenstreet, Pattern recognition of signatures and marks in historical manuscripts as the basis for sub-population recognition, March 2018 [available Signsoliteracy Github repository: Signsoliteracy/Signoff]

Colin Greenstreet, C17th alphabet of initials, 4th edn., April 4th, 2018 [available Signsoliteracy Github repository: Signsoliteracy/Signoff]

[Mark Hailwood, 'The Rabble that Cannot Read', Ordinary Peoples Literacy in Seventeenth-Century England, October 13th, 2014](#)

[David Cressy, Literacy and the Social Order: Reading & Writing in Tudor and Stuart England, 1980](#)

SESSION ONE: Introduction & mariner literacy

Part Three: Literacy of C17th mariners: Evidence from Alle Amsterdamser Akten (Amsterdam notarial archives)

Mark Ponte



ADD SLIDES

Mark Ponte

SESSION ONE: Introduction & mariner literacy

Part Four: Literacy of C17th mariners & shore trades: Evidence from English High Court of Admiralty
Colin Greenstreet

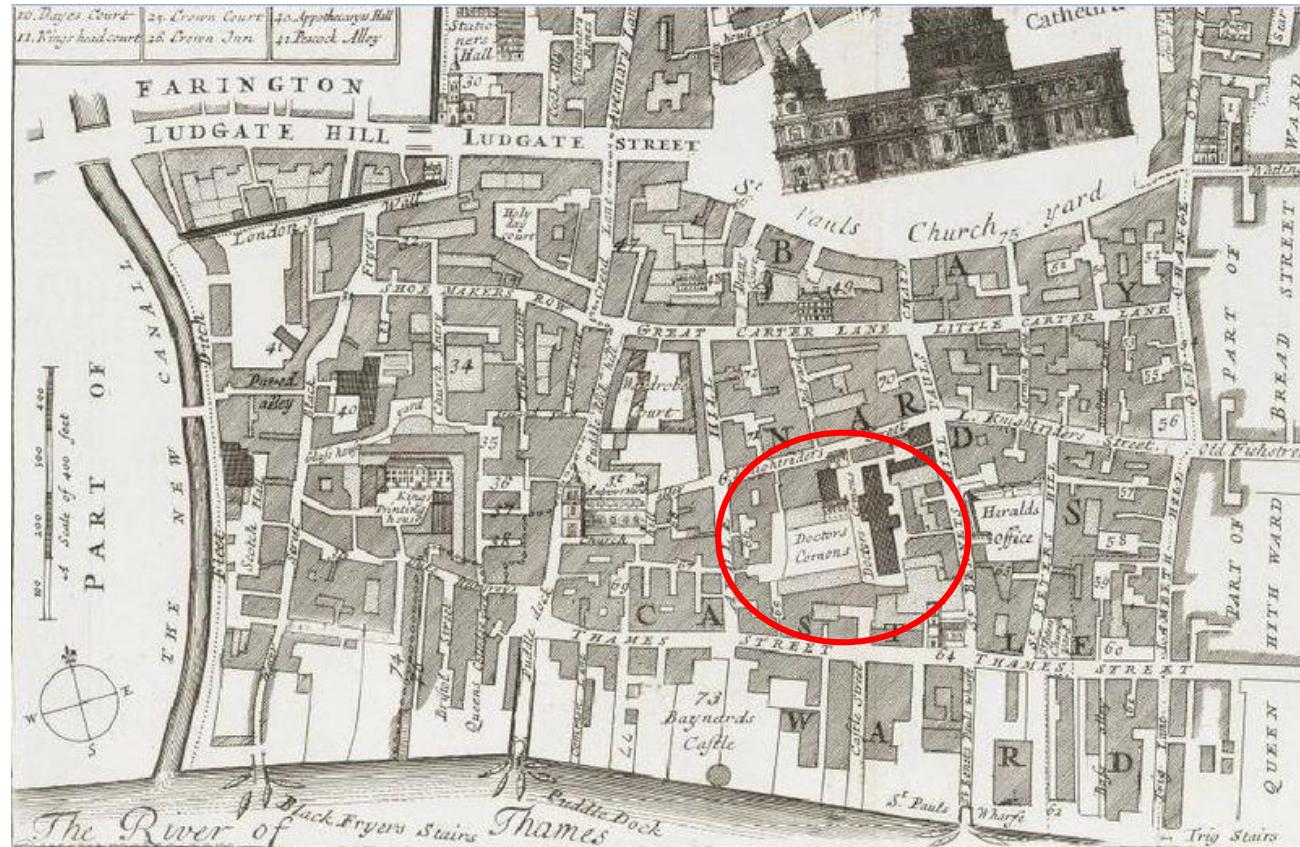


Overview

- Datasets
 - HCA depositions, 1620s – 1650s
 - Metadata + signoffs
 - Semantic datasets
 - Pages & snippets
- Analysis
 - Mariners vs. coal ships
 - Common men vs officers
 - Shore coopers vs ship board coopers
- Potential
 - Scale
 - Hidden patterns
 - Ships; small communities (geographic, institutional)
 - Soldiers vs. mariners
 - Human capital

Datasets

Extract from Map of Baynard Castle Ward in Strype, 1720,
showing Doctors Commons where the High Court of Admiralty met



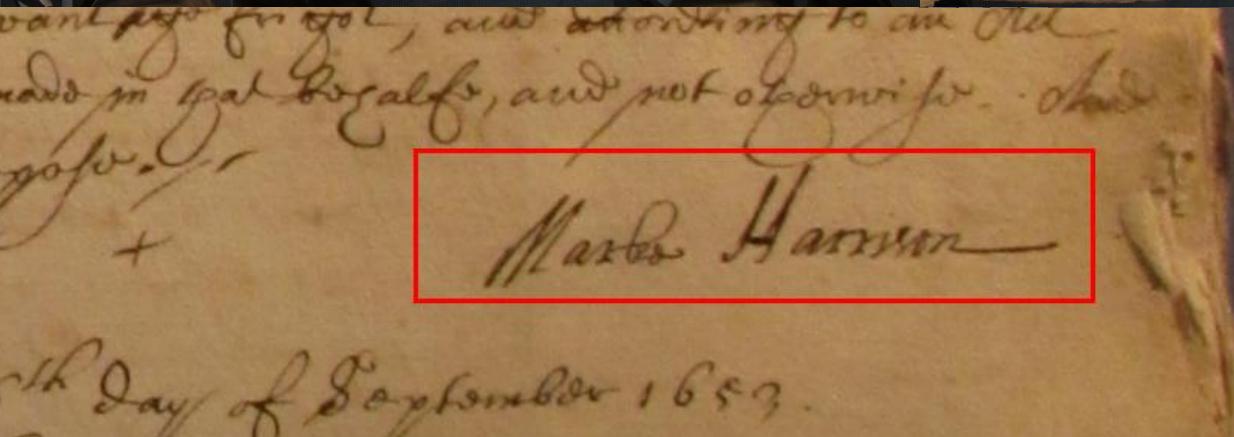
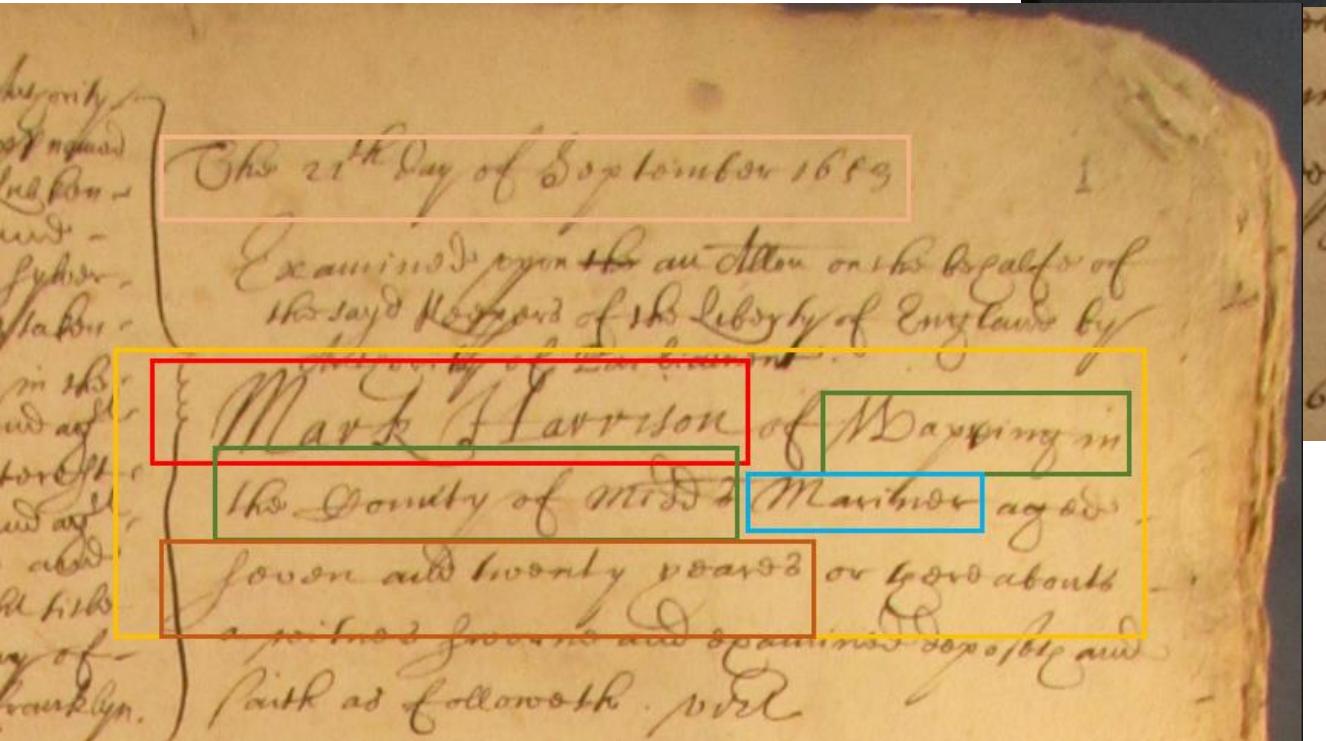
http://www.marinelives.org/wiki/Introduction_to_the_High_Court_of_Admiralty ;
http://www.marinelives.org/wiki/HCA_13/71

To the Honble the Judges of the High Court of Admiralty.

Pages in this volume

◆	Status
HCA 13/71 f.1r Annotate	Uploaded image; transcribed on 07/11/2012
HCA 13/71 f.1v Annotate	Uploaded image; transcribed on 07/11/2012
HCA 13/71 f.2r Annotate	Uploaded image; transcribed on 07/12/2012
HCA 13/71 f.2v Annotate	Uploaded image; transcribed on 02/01/2013
HCA 13/71 f.3r Annotate	Uploaded image; transcribed on 22/12/2012
HCA 13/71 f.3v Annotate	Uploaded image; transcribed on 24/12/2012
HCA 13/71 f.4r Annotate	Uploaded image; transcribed on 10/04/2013
HCA 13/71 f.4v Annotate	Uploaded image; transcribed on 22/12/2012
HCA 13/71 f.5r Annotate	Uploaded image; transcribed on 22/12/2012
HCA 13/71 f.5v Annotate	Uploaded image; transcribed on 22/12/2012
HCA 13/71 f.6r Annotate	Uploaded image; transcribed on 24/12/2012
HCA 13/71 f.6v Annotate	Uploaded image; transcribed on 24/12/2012
HCA 13/71 f.7r Annotate	Uploaded image; transcribed on 24/12/2012
HCA 13/71 f.7v Annotate	Uploaded image; transcribed on 24/12/2012
HCA 13/71 f.8r Annotate	Uploaded image; transcribed on 02/01/2013
HCA 13/71 f.8v Annotate	Uploaded image; transcribed on 26/12/2012
HCA 13/71 f.9r Annotate	Uploaded image; transcribed on 26/12/2012
HCA 13/71 f.9v Annotate	Uploaded image; transcribed on 26/12/2012
HCA 13/71 f.10A Annotate	Uploaded image; transcribed on 05/04/2013
HCA 13/71 f.10r Annotate	Uploaded image; transcribed on 08/11/2012
HCA 13/71 f.10v Annotate	Uploaded image; transcribed on 10/11/2012
HCA 13/71 f.11r Annotate	Uploaded image; transcribed on 30/01/2013
HCA 13/71 f.11v Annotate	Uploaded image; transcribed on 30/01/2013
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HCA 13/71 f.13r Annotate	Uploaded image; transcribed on 23/01/2013
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HCA 13/71 f.15r Annotate	Uploaded image; transcribed on 02/01/2013
HCA 13/71 f.15v Annotate	Uploaded image; transcribed on 03/01/2013
HCA 13/71 f.16r Annotate	Uploaded image; transcribed on 21/12/2012
HCA 13/71 f.16v Annotate	Uploaded image; transcribed on 21/12/2012
HCA 13/71 f.17r Annotate	Uploaded image; transcribed on 27/12/2012
HCA 13/71 f.17v Annotate	Uploaded image; transcribed on 27/12/2012
HCA 13/71 f.18r Annotate	Uploaded image; transcribed on 27/12/2012

Metadata and signoffs



Semantic datasets

Semantic occupation

- Carpenter's mate
- Cash keeper
- Cashier
- Chandler
- Cheesemonger
- Chief mate
- Chirurgion
- Chirurgion's mate
- Clerk
- Clothworker
- Coal heaver
- Collector of customs
- Commander
- Common man
- Compass maker
- Cook
- Cooper
- Cooper's mate

K

- Keeper of prison

L

- Labourer
- Leatherseller
- Lighterman
- Long cutler
- Looking glass maker

M

- Mariner
- Mast maker
- Master
- Master's mate
- Mate
- Mate (chief)
- Merchant

- Ship chandler
- **Shipwright**
- Shopkeeper
- Skinner
- Skipper
- Stationer
- Steersman
- Stevedore
- Steward
- Steward's mate
- Sugar baker
- Supracargo

T

- Tidesman
- Tobacconist
- Trumpeter
- Turner

Shipwright

This page summarises data in the MarineLives wiki regarding the occupation of Shipwright.
This table aggregates data from all semantic biographies in the MarineLives wiki relating to the occupation of Shipwright.

Full name	Firstname	Lastname	Birth year	Res street	Res parish	Res town	Res county	Occupation	Secondary shore based occupation	Mariner occupation	Has literacy	Associated with ship(s)	Type of ship	Dep start	First deposition age
... further results [&]															
Jonathan Bigland	Jonathan	Bigland	1629			Redriff	Surrey	Shipwright		Marke			Shore based trade	HCA 13/72 f.180v	28
John Carrier	John	Carrier	1637			Deptford	Kent	Shipwright		Carpenter's mate	Marke		Merchant ship	HCA 13/73 f.125r	22
Thomas Chaplain	Thomas	Chaplain	1622			Redriff	Surrey	Shipwright		Marke			Shore based trade	HCA 13/71 f.642r	25
John Comin	John	Comin	1632	Wapping Wall	Stepney		Middlesex	Shipwright		Marke			Shore based trade	HCA 13/71 f.574r	25
Robert Cooke	Robert	Cooke	1614	Limehouse	Stepney		Middlesex	Shipwright		Marke			Shore based trade	HCA 13/72 f.460r	44
Thomas Dison	Thomas	Dison	1611			Redriff	Surrey	Shipwright		Marke			Shore based trade	HCA 13/73 f.770v	50
William Ginn	William	Ginn	1633			Millbrook near Plymouth	Devon	Shipwright		Carpenter	Marke	Welfare of Plymouth	Merchant ship	HCA 13/68 f.504v	21
John Man	John	Man	1619	Horsey downe		Southwark	Surrey	Shipwright		Carpenter	Marke		Merchant ship	HCA 13/73 f.172r	40
Richard Robinson	Richard	Robinson	1627	Wapping	Stepney		Middlesex	Shipwright		Ship carpenter	Marke		Merchant ship	HCA 13/70 f.433v	Annotate
John Turner	John	Turner	1618			Ipswich	Suffolk	Shipwright		Carpenter	Marke	Mary Rose (Master: John Cole)	Coal ship	HCA 13/73 f.418v	41
John Tyler	John	Tyler	1617	Lover Shadwell	Stepney		Middlesex	Shipwright		Marke			Shore based trade	HCA 13/73 f.35v	42
William Venus	William	Venus	1611		Saint Mary Magdalen	Bermondsey	Surrey	Shipwright		Ship carpenter	Marke		Merchant ship	HCA 13/72 f.88v	Annotate
John Barrell	John	Barrell	1594			Yarmouth	Norfolk	Shipwright		Carpenter	Signature		Merchant ship	HCA 13/63 f.274r	Annotate
John Barrell	John	Barrell	1594			Yarmouth	Norfolk	Shipwright		Carpenter	Signature		Merchant ship	HCA 13/63 f.274r	Annotate
Adam Beale	Adam	Beale	1610		Saint Mary Magdalen	Bermondsey	Surrey	Shipwright			Signature		Shore based trade	HCA 13/73 f.17r	48
Henry Berry	Henry	Berry	1629			Redriff	Surrey	Shipwright			Signature		Shore based trade	HCA 13/71 f.502r	28
Edward Bigland	Edward	Bigland	1589			Southwark	Surrey	Shipwright			Signature		Shore based trade	HCA 13/63 f.204v	Annotate
														HCA 13/71 f.135r	59

Semantic datasets

Jonathan Bigland

Biographical synthesis

Jonathan Bigland (b.ca.1629; d.?). Shipwright.

Resident in 1657 in Redriff in the county of Surrey.

It is possible that he is related to another shipwright, [Edward Bigland](#), who appears in High Court of Admiralty records in 1650 and 1656 in the borough of Southwark.^[1]

Evidence from High Court of Admiralty

Jonathan Bigland, a twenty-eight year old shipwright, deposed in the High Court of Admiralty on November 3rd 1657. He was examined on an allegation made on the behalf of Judith Dixford in the case "Judith Dixford against the hulke the *Elizabeth*".^[2]

The records of the High Court of Admiralty contain another shipwright with the surname Bigland. This is Edward Bigland, *a/l* Edwardus Bigland, who was deposed twice, Once on May 14th 1650 and the second time on April 11th 1656.

In the first deposition, Edward Bigland deposed in the case of "Major con Perkins". He gave his age as fifty-nine, his residence as the parish of Saint Olave in Southwark, and his occupation as shipwright ("Naupegus" in the Latin of the notary public who wrote down the deposition).^[3]

In the second deposition, Edward Bigland deposed in the case of "John Mayor against a certayne lighter called the *William and Francis* whereof William Knight and company were owners and against the sayd William Knight and company comming in for their interest and against whatsoever persons et cetera". He ghave his age as sixty-seaven and described himself as a shipwright of the parish of Saint Mary Magdalen in Southwark.^[4]

Comment on sources

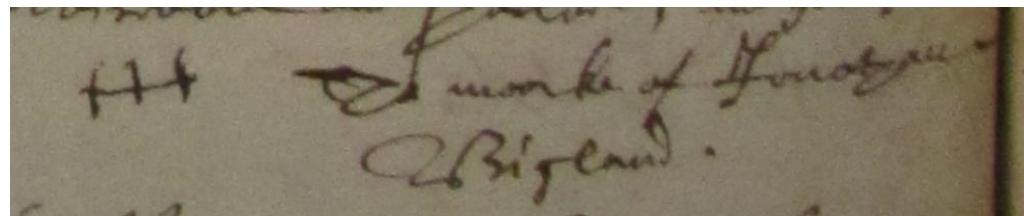
1. ↑ HCA 13/63 f.204v; HCA 13/71 f.135r

2. ↑ HCA 13/72 f.180v

3. ↑ HCA 13/63 f.204v

4. ↑ HCA 13/71 f.135r

Jonathan Bigland	
Person	Jonathan Bigland
Title	
First name	Jonathan
Middle name(s)	
Last name	Bigland
Suffix	
Spouse of	
Widow of	
Occupation	Shipwright
Secondary shorebased occupation	
Mariner occupation	
Associated with ship(s)	
Training	Not apprentice
Is apprentice of	
Was apprentice of	
Had apprentice(s)	
Citizen	Unknown
Literacy	Marke
Has opening text	
Has signoff text	+++
Signoff image	(Invalid transcription image)
Language skills	English language
Has interpreter	
Birth street	
Birth parish	
Birth town	
Birth county	
Birth province	
Birth country	
Res street	
Res parish	
Res town	Redriff
Res county	Surrey
Res province	
Res country	England
Birth year	1629
Marriage year	
Death year	
Probate date	
First deposition age	28
Primary sources	
Act book start page(s)	
Personal answer start page(s)	
Allegation start page(s)	
Interrogatories page(s)	
Deposition start page(s)	HCA 13/72 f.180v Annotate
Chancery start page(s)	
Letter start page(s)	
Miscellaneous start page(s)	
Act book date(s)	
Personal answer date(s)	
Allegation date(s)	
Interrogatories date(s)	
Deposition date(s)	Nov 3 1657
How complete is this biography?	
Has infobox completed	Yes
Has synthesis completed	No
Has HCA evidence completed	No
Has source comment completed	No
Ship classification	
Type of ship	Shore based trade
Silver Ship litigation in 1650s	
Role in Silver Ship litigation	None



Snippets

A

Protocol

The mark of

Abraham

Branded upon said future

To  Ward

Big mark.

Dauncle of
Hawbrough.

Signature of Esqrs
John # 83, DPP

Signature of
Matthew M K
Colon

No Land Plans

WALTER J. HANSEN

Dauncle of
Oho: # 800 Miles:

Signature of Esqrs
Rizards & Wintle.

Signature of Esqrs
Edward M. Cranford

Dauncle of
O Barth. Cuff.

Signature of Esqrs
John E. Bettom

Cowood Eggerim

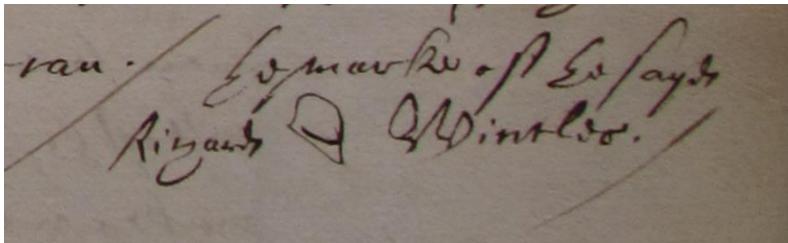
We authorizing as
Thomas Post

Signature of Esqrs
Edward E. F. Morris

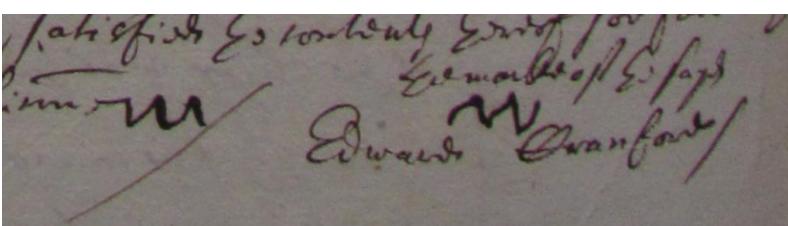
George Moonwood

Porters handling coals, whale oil, ginger & corn

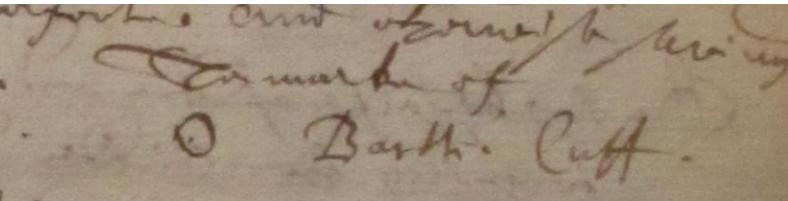
Richard Wincles, thirty-three year old porter, of the parish of Stepney, Middlesex, Dec. 15, 1656; employed as a labourer with fifteen other men to unload coals from the *Imployment* moored near Execution Dock, Wapping, into lighters for fixed rate of 12 s per man ([HCA 13/70 f.554r](#))



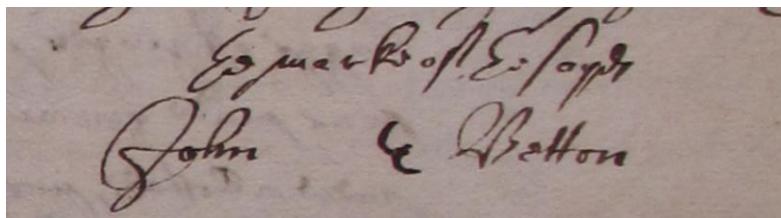
Edward Cranford, forty-four year old coale heaver or porter, of the parish of Stepney, Middlesex, Dec. 15, 1656; employed as a labourer with fifteen other men to unload coals from the *Imployment* moored near Execution Dock, Wapping, into lighters for fixed rate of 12 s per man ([HCA 13/70 f.555v](#))



Bartholomew Cuff, sixty year old porter of the Stillyard, of the parish of Allhallows the Greate, London, May 15, 1658; assisted in the landing of whale oil from lighters at the Stillyard Key and loading them away into a warehouse ([HCA 13/70 f.555v](#))



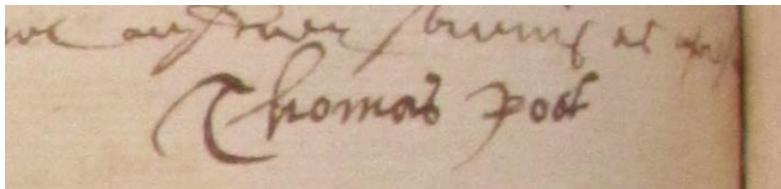
John Betton, fifty-four year old citizen and white baker of London, of the parish of Saint Buttolph Algate, London, Jul. 31, 1655; self-described as a porter employed by the Commissioners for Prize Goods to deliver ginger from a warehouse at Ralphes Key ([HCA 13/70 f.449r](#))



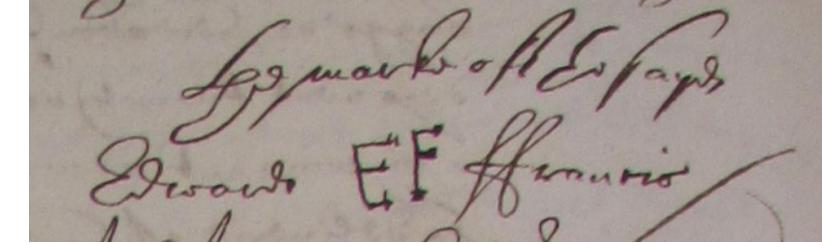
Edward Sherwin, fifty-six year old cittien and leatherseller, of the parish of Little Allhallowes, London, Jul. 31, 1655; self-described as a porter employed by the Commissioners for Prize Goods to deliver ginger from a warehouse at Ralphes Key ([HCA 13/70 f.449v](#))



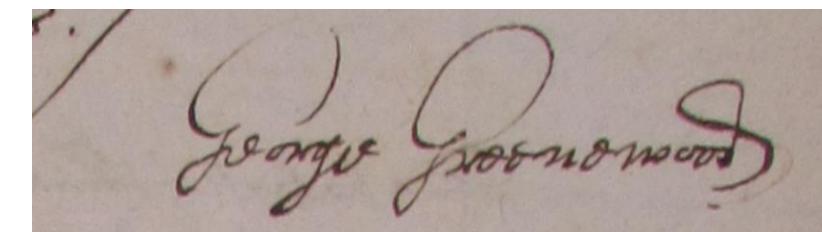
Thomas Roots, twenty-nine year old porter, of the parish of Greate Allhallowes, London, May 15, 1658; assisted in the landing of whale oil from lighters at the Stillyard Key, as one of the Stillyard porters, and loading them away into a warehouse ([HCA 13/72 f.330v](#))



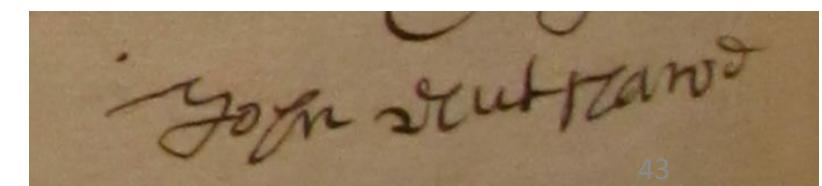
Edward ffrancis, citizen and merchantaylor of London, of the parish of Saint Olave in Southwarke, Jul. 31, 1655; self-described as a porter employed by the Commissioners for Prize Goods to deliver ginger from a warehouse at Ralphes Key ([HCA 13/70 f.450v](#))



George Greenwood, thirty year old citizen and vintner of London, of the parish of Saint Buttolph Bishopsgate, London, Jul. 31, 1655; self-described as a porter employed by the Commissioners for Prize Goods to deliver ginger from a warehouse at Ralphes Key ([HCA 13/70 f.454r](#))

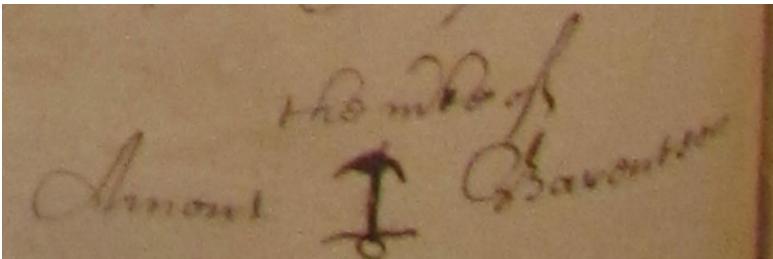


John Nutshall, fifty-five year old corne porter, of the parish of Saint Saviours Southwarke, Nov. 19, 1653; employed with a barber chyrurgeon/corne meter, an additional corne-meter, and other labourers to unlade a cargo of what in the *ffortune* of Stettin, moored against Limehouse; eight years of experience as a corne porter ([HCA 13/70 f.352v](#))

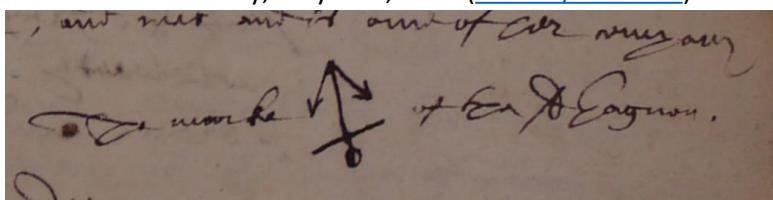


Anchors

Amons Barentsen, thirty-five year old mariner, of Copenhagen, Denmark, October 13th, 1653; self-described as an "ordinary mariner", hired to sail from the Sound to Hamburg on the *Golden Hawke* of Stockholm ([HCA 13/68 f.81v](#))



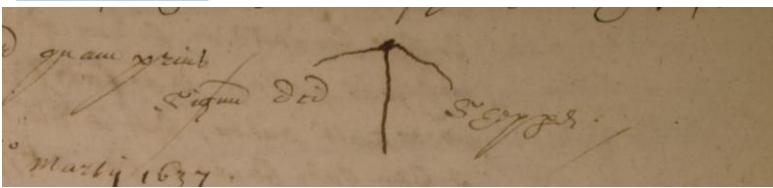
Claude de Gagnon, twenty-five year old mariner, of Melon, near Brest in Britanny, May 22nd, 1656 ([HCA 13/71 f.225r](#))



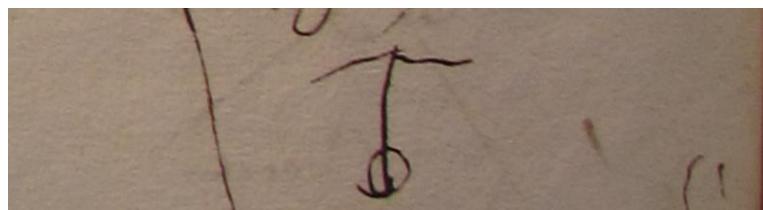
John Tylor, forty-two year old shipwright, of Lower Shadwell, in the parish of Stepney, Middlesex, February 14th, 1659 ([HCA 13/73 f.36r](#))



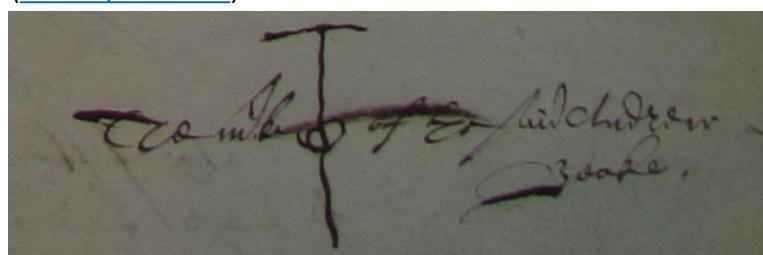
Richard Shepperd, fifty-eight year old cooke, of Brixton, Devon, March 29th, 1637; self-described cooke of the *Hope of Ipswich* ([HCA 13/53 f.87r](#))



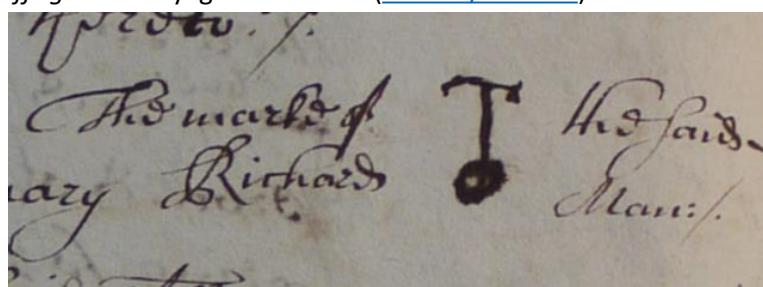
Andrew Beake, thirty-six year old lookeinglassemaker and formerly seaman, of Rose alley without Bishopsgate, London, January 21st, 1655 ([HCA 13/70 f.252v](#))



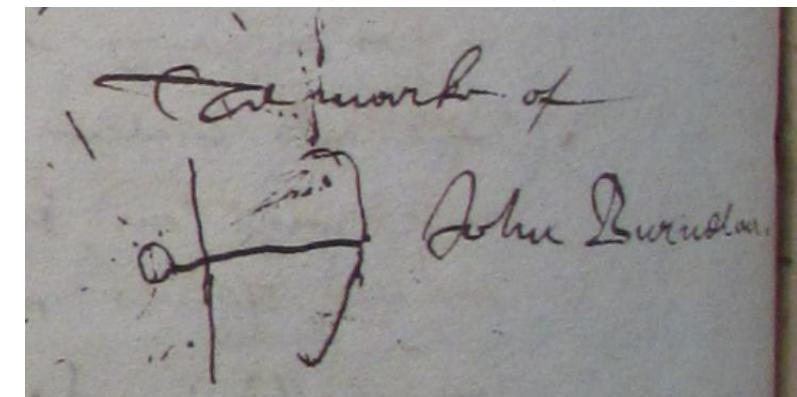
Andrew Beake, thirty-six year old looking-glasse maker, of Rose-Alley in Bishopsgate streete, London, February 13th, 1655 ([HCA 13/70 f.252v](#))



Richard Man, thirty-one year old mariner, of Southampton, January 8th, 1659; self-described common man of the *Lisbone ffrigott* on voyage to Oratava ([HCA 13/73 f.26v](#))



John Burnelau, twenty-eight year old sailor, of Mornar, France, March 30th, 1661 ([HCA 13/73 f.486v](#))



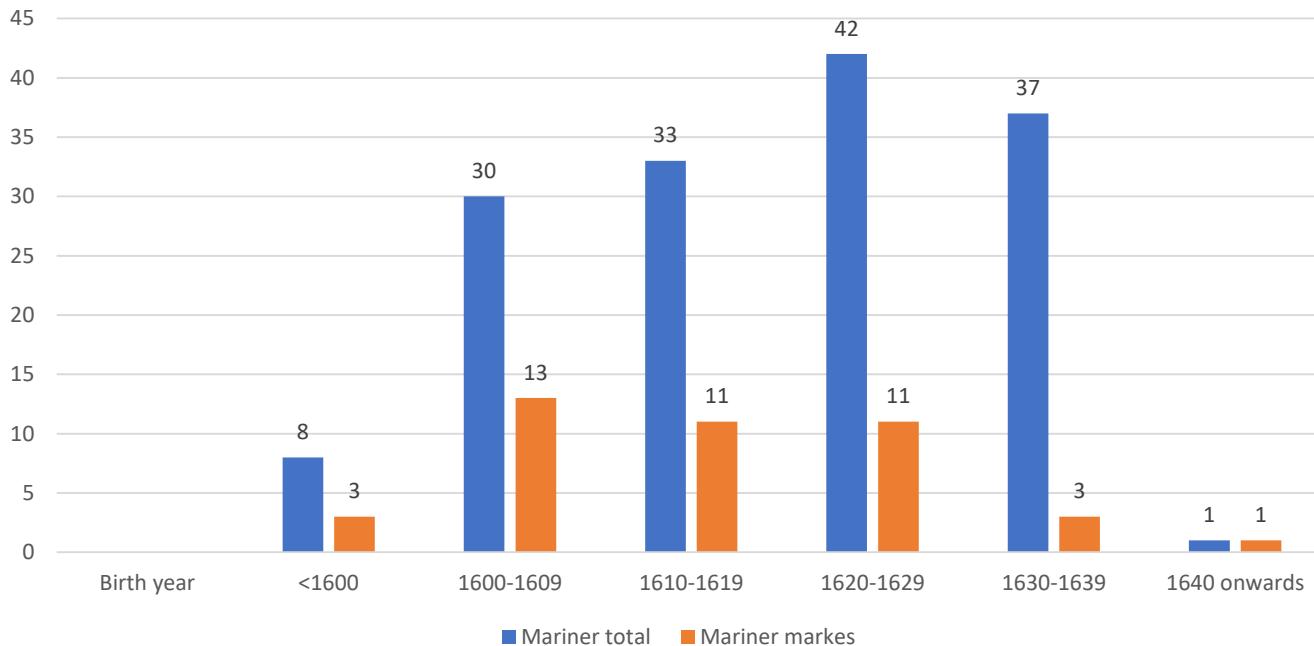
Analysis

N = 151

PRELIMINARY DATA Use of markes vs. signatures by self-described English mariners in 1650s

Source: High Court of Admiralty, MarineLives wiki

Note: Includes all self-described mariners (masters, officers and common men, and only sea-going men from occupations)



Analysis

AGE AND LITERACY DISTRIBUTION AMONGST MARINERS

IN ADMIRALTY COURT RECORDS IN 1650S, MERCHANT NOT NAVAL

Significant age differences between mariner occupation groups, with high literacy amongst relatively young masters, even younger master's mates, and lower literacy amongst older job types such as quartermasters. Average age of foremast/commonmen is pushed up by coal ship data. Master's mates would have 100% literacy if coal and fishing ship data removed. River based occupations (watermen and lightermen) show statistically significant lower rates of literacy than foremastmen and commonmen. Watermen and lightermen are significantly older than foremastmen and commonmen. The higher literacy of foremastmen and commonmen can be seen when comparing like for like cohorts of birth decades and age decades with watermen and lightermen as a combined group.

MARINER OCCUPATIONS														RIVER OCCUPATIONS				MARINE SUPPLY OCCUPATIONS										
Age range	Carpenter													Foremast men & Common men		Watermen		Lightermen		Winecooper			Ropemaker		Blacksmith		Brewer	Coal ships
	Master Pilot	Purser	Boatswain	Master's mate	Gunners	s (on ships)	Quarter-master	Foremast man	Common man	Common men	Cook	Totals	% of total	n	n	Totals	% of total	Winecooper	Ropemaker	Blacksmith	Brewer							
>60	2	0	0	0	0	2	0	1	0	0	1	6	2.5%	1	1	2	5.4%	0	0									
50 - 59	3	1	0	1	3	6	3	3	1	3	1	29	12.3%	6	4	10	27.0%	1	0									
40 - 49	8	2	0	3	6	10	7	4	3	2	5	54	22.9%	5	0	5	13.5%	2	3	1	1							
30 - 39	12	0	3	7	9	10	3	3	1	2	3	57	24.2%	6	2	8	21.6%	6	4									
20 - 29	8	0	6	7	12	7	8	3	10	5	15	82	34.7%	9	3	12	32.4%	2	2	1	1							
10 - 19	0	0	1	0	0	0	1	0	1	1	2	0	2.5%	0	0	0	0.0%	2	0									
No age given	1					1						2	0.8%					1										
Total	34	3	10	18	30	36	22	14	16	13	29	11	100.0%	27	10	37	100.0%	14	9	2	3							
Avg age (yrs)	36.4	49.7	29.3	34.5	32.8	38.9	36.7	43.8	29.9	35.0	30.7	41.6		37.8	40.1			35.8										
Literacy rate	94%	100%	100%	89%	80%	67%	64%	50%	56%	29%	43%	37%		26%	20%			100%	56%	50%	66%	40%						
Markes	2	0	0	2	6	12	7	7	10	16	6						0	4	1	1	18							
Signatures	31	3	10	16	24	24	7	9	4	12	5						14	5	1	2	12							
Age sum	33	3	10	18	30	36	14	16	14	28	11						14	9	2	3	30							

Note: Very preliminary data, as of 30/10/2016 Source: TNA, HCA; MarineLives

Potential

- Close reading AND scale analysis
 - IIIF viewers (Mirador, UV...)
 - New page images & snippets...100,000+ ... 1 mill+
- Searching existing data at scale
 - IIIF discoverability
 - Automatic detection of metadata & signoffs
- Potential of machine learning for pattern recognition
 - Skill of execution of marks, initials & signatures
 - Semantic groups within marks
 - Crosses; circles; squiggles; anchors...
 - Execution character groups within signatures
 - Occupations; “nation” ...
- Analytical groups
 - Ships; small communities (geographic, institutional)
 - Soldiers vs. mariners
- Human capital analysis
 - Northern vs Southern mariners
 - Long distance vs. coastal short haul mariners

SESSION ONE: Introduction & mariner literacy

Part Five: Panel

Mark Ponte

Colin Greenstreet

Dr Jelle van Lottum



TEN MINUTE BREAK

SESSION TWO

WORKSHOP TIMETABLE

'Technology tools to explore historical literacy'

Coordinator: Colin Greenstreet for Signs of Literacy Community;
hosted by Mark Ponte at Stadsarchief Amsterdam

Tuesday, June 5th, 2018;

13.00-17.00 (Central European Time), 12.00-16.00 (British Summer time);

The Italian Room, Stadsarchief Amsterdam; by invitation

Times listed in draft timetable are Central European Time

13.00 – 14.00 SESSION ONE: Introduction & mariner literacy	
13.00 – 13.10	Personal introductions; introduction to Signs of Literacy community; role of technology in enabling the community [All; Colin Greenstreet]
13.10 – 13.20	Reading & literacy [Colin Greenstreet]
13.20 – 13.35	Literacy of C17th mariners: evidence from Alle Amsterdamser Akten (Amsterdam notarial archives) [Mark Ponte]
13.35 – 13.50	Literacy of C17th mariners & shore trades: evidence from English High Court of Admiralty [Colin Greenstreet]
13.50 – 13.59	Panel on mariner & shore trade literacy using English & Dutch evidence [Mark Ponte; Colin Greenstreet; Dr Jelle van Lottum]
14.00 – 14.09 BREAK	
14.10 – 15.00 SESSION TWO: Technology themes & discussion	
14.10 – 14.15	Discussion: Technology tools and processes currently in use in archives of relevance to historical literacy [All]
14.15 – 14.45	The potential of IIIF [Discussion led by Glen Robson]
14.45 – 15.15	The potential of Transkribus [Discussion led by Colin Greenstreet, with input from Thomas van Maaren & Mark Ponte]
15.15 – 15.45	The potential of Recogito annotation tool under development by Pelagios project team [Discussion led by Dr Rainer Simon]
15.50 – 15.59 BREAK	
16.00 – 17.00 SESSION THREE: Pattern recognition & machine learning applied to marks, initials & signatures at scale	
16.00 – 16.10	Required technologies [Colin Greenstreet]
16.10 – 16.15	Our original proposal for a five day Data Study Group, developed with the Alan Turing Institute (Colin Greenstreet/Dr Mark Hailwood)
16.15 – 16.30	Our current proposal to run a Signs of Literacy Kaggle Research Competition, November 2018-early January 2019 [Colin Greenstreet/Dr Mark Hailwood/Mark Ponte]
16.30 – 17.00	Discussion [All]

SESSION TWO: Technology themes & discussion

**Part One: Technology tools &
processes of relevance to historical
literacy in use in archives today**

Discussion

Talking points

- Archival & library metadata at the page level?
 - Archival & library experiments with AI creation of metadata?
- How is IIIF being implemented & does it include Early Modern handwritten manuscripts?
 - How handling IIIF discoverability of manuscripts?
- Archival & library experiments with crowdsourcing metadata and full text transcription of Early modern handwritten documents?
 - IIIF crowdsourcing SW?
 - Considering supplementing with HTR, e.g. Transkribus?
- Thinking about use, preservation, and transferability of annotations?

A challenge for today – how to use one document in many systems?

Deposition of Mark Harrison; mariner and master; resident in Wapping, Middlesex; age 27;

Dated September 21st 1659 (TNA, HCA 13/68, ff. 1r-3r)



SESSION TWO: Technology themes & discussion

Part Two: The potential of IIIF

Glen Robson

There is a better way...



ADD SLIDES

Glen

IIF thought starters

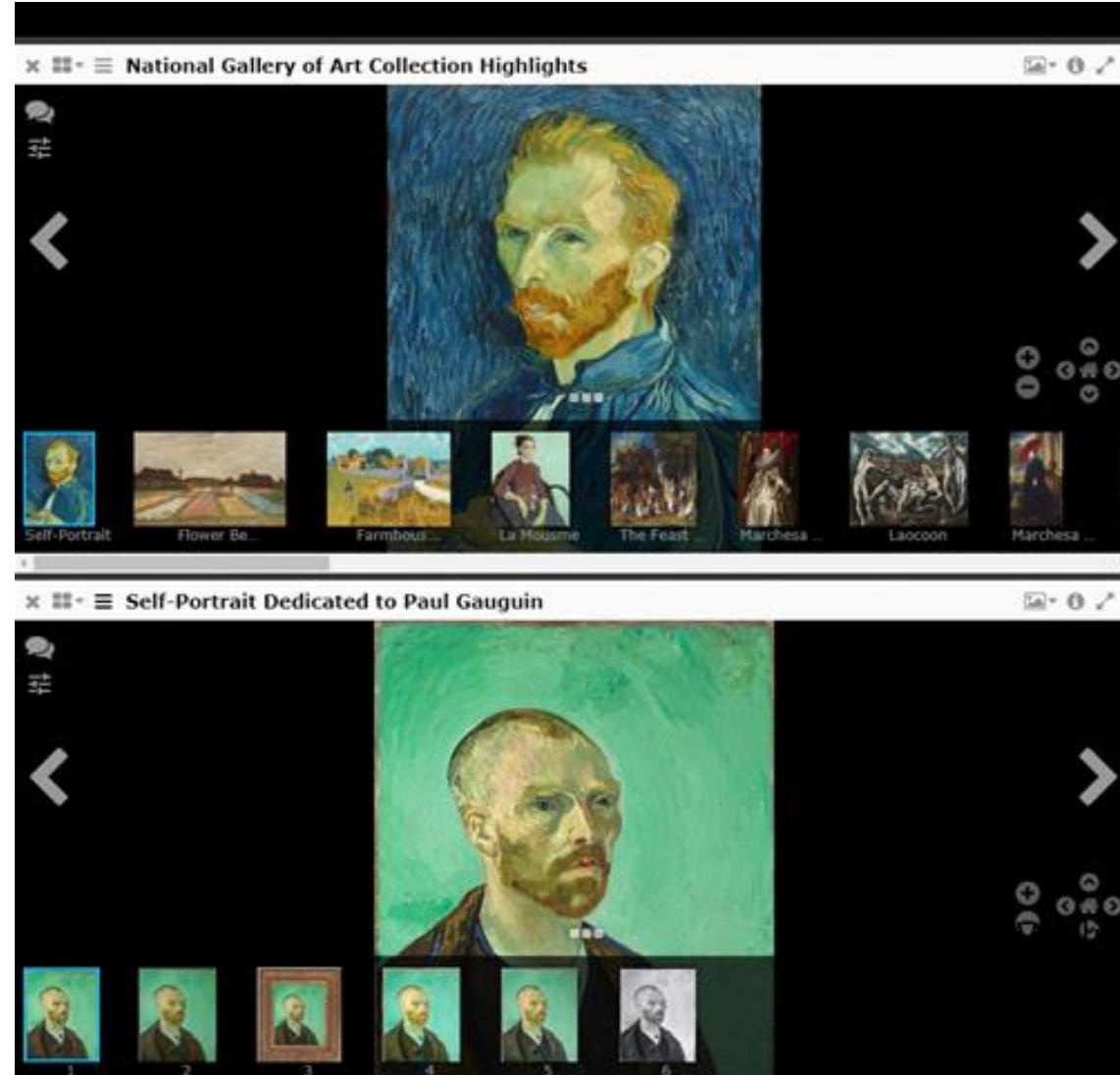
For discussion

Colin Greenstreet

There is a better way...

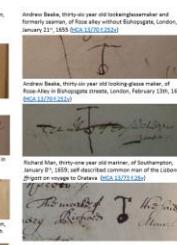


Images from two different IIIF sources & two different manifests



HCA anchors IIIF manifest in Mirador viewer

Anchors



44

x ⚡ HCA Depositions: Anchors

Change Layout Full Screen

Richard Shepperd

Andrew Beake (2)

Andrew Beake (1)

John Tylor

John Burnelau

Mockup of a IIIF manifest in Mirador viewer, using <http://projectmirador.org/demo/> ;
http://www.marinelives.org/wiki/HCA_13/70_f.252v_Annotate

Pinterest-style board: Hornbooks



Clockwise from top left, by source institutions of digital images: Rijksmuseum; Europeana; Folger Digital Image Library; Rijksmuseum; non-GLAM website; British Library; Dutch Museum Onderwijs; Unknown

IIIF discoverability: Hornbooks

Task: Find IIIF viewable images of Hornbooks, anywhere in world, and use them to create a IIIF manifest of hornbooks

Issues:

- Are IIIF images discoverable in Google search?
- Is there a federated IIIF search for images and manifests?
- How specify image search (as opposed to text or other object search) at single GLAM institution level?
- How recognise in single GLAM institution search results whether an image is IIIF compatible?
- Can non-IIIF images (TIFFs, JPEGs) from multiple sources be converted to IIIF-compliant images and posted on a IIIF-image server acting as a “Light Box”, providing licensing conditions permit republishing?

Library of Congress: [Search within LOC search box, constraining to ‘available online’ and ‘Online format: image’ using ‘Hornbook’ search term](#); Folger Shakespeare Library: [Search within ‘Luna: Folger Digital Image Collection’ using ‘Hornbook’ search term](#)

The screenshot shows the Library of Congress search results for the term 'hornbook'. The results are refined by 'Online Format: Image'. There are three main entries:

- BOOK/PRINTED MATERIAL [English hornbook]**: An 18th-century hornbook made of ivory and silver, featuring the alphabet in upper and lower cases and numerals 1 through 0. It is housed in a lined case (25 x 18 x 4 cm) with a spine title: '18th century hornbook, ivory and silver. Also available in digital form on the Library of Congress Web site....'. The date is listed as 18??.
- MANUSCRIPT/MIXED MATERIAL [Ivory hornbook]**: An 18th-century English hornbook with the alphabet in upper (recto) and lowercases (verso) inscribed on ivory. It is housed in a lined case (16 x 11 cm). The date is listed as 17??.
- BOOK/PRINTED MATERIAL [Wood hornbook]**: A 18th-century hornbook, possibly American, made of wood. It features an abacus with 12 beads in cutout at the top, carved indentations on verso, and a translucent horn tacked to the face. The date is listed as 18??.

Below the search results, the Folger Shakespeare Library's Luna search interface is shown, displaying search results for 'Hornbook'.

Folger SHAKESPEARE LIBRARY
Advancing knowledge & the arts

Log In Register hornbook

REFINE **Search Results: All Fields similar to 'Hornbook'** 1-3 of 3

COLLECTIONS EXPLORE CREATE SHARE EMBED PRINT HELP

WHAT
Aabc [...] (3)

WHERE
STC 21.7 (2)
STC 13813.6 (1)

WHEN
[1630] (2)
[1625] (1)

Aabc [...] (1625)
STC 13813.6

Aabc [...] (1630)
STC 21.7 Front

Aabc [...] (1630)
STC 21.7 back

SESSION TWO: Technology themes & discussion

Part Three: The potential of Transkribus

Colin Greenstreet

Mark Ponte

Thomas van Maaren



**Screenshots of MarineLives HCA use case
MarineLives Transkribus plans**

Screenshots of Transkribus in use by Alle Amsterdamser Akten

Screenshots of Vele Handen crowdsourcing interface

Screenshots of Vele Handen/Transkribus interface

Transkribus legal working group

Transkribus technical & community plans

Colin Greenstreet

(with input from Mark Ponte, Thomas van Maaren, Louise Seaward)

What does Transkribus offer?

Transkribus offers a number of tools for the automated processing of documents, such as:

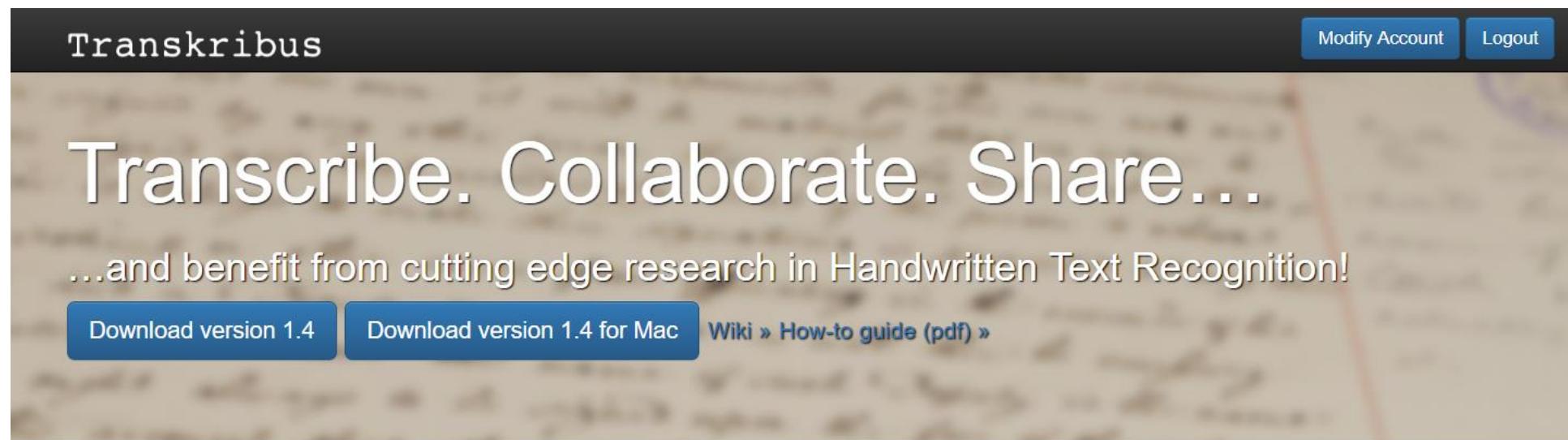
- Handwritten Text Recognition (HTR)
- Layout Analysis
- Document Understanding
- Keyword Spotting
- Optical Character Recognition (OCR) using ABBYY Finereader Engine 11

Figures

- Users
 - 7500+ registered users
 - 10-15 every day
 - 20-30 users always online
 - Researchers, archivists, librarians, family historians, students – from all over the world
- Services
 - 3+ TB of storage used
 - Thousands of documents, hundred-thousands of images uploaded
 - 160.000+ jobs
 - Hundreds of HTR models trained
 - Thousands of user mails answered

Transkribus Key Figures, slide from Günter Mühlberger, Presentation: Transkribus - the status quo and future plans, Youtube video, pub. Jan 23. 2018 

Download Transkribus: <https://transkribus.eu/Transkribus/>



Scholars

Are you transcribing historical documents? Handwritten or printed, from the middle ages or from the 20th century? Would you like to do this in a highly standardized, flexible and reliable way? And do you appreciate to get support from automated tools such as Handwritten Text Recognition and Layout Analysis?

[View details »](#)

Archives

Are you responsible for large collections of handwritten and printed documents? Do you believe that digitisation paves the way to realise new opportunities to access, enrich and explore archival material? And are you open to involve humanities scholars and volunteers so that they can work with these documents in an effective way – producing data which can also be integrated in your repository?

[View details »](#)

Volunteers

Are historical letters, postcards, manuscripts or medieval documents fascinating for you? Do you enjoy deciphering handwriting – this wonderful feeling when you can read something which may be hidden to most other people? And do you believe that everyone can make a valuable contribution to scholarship and science?

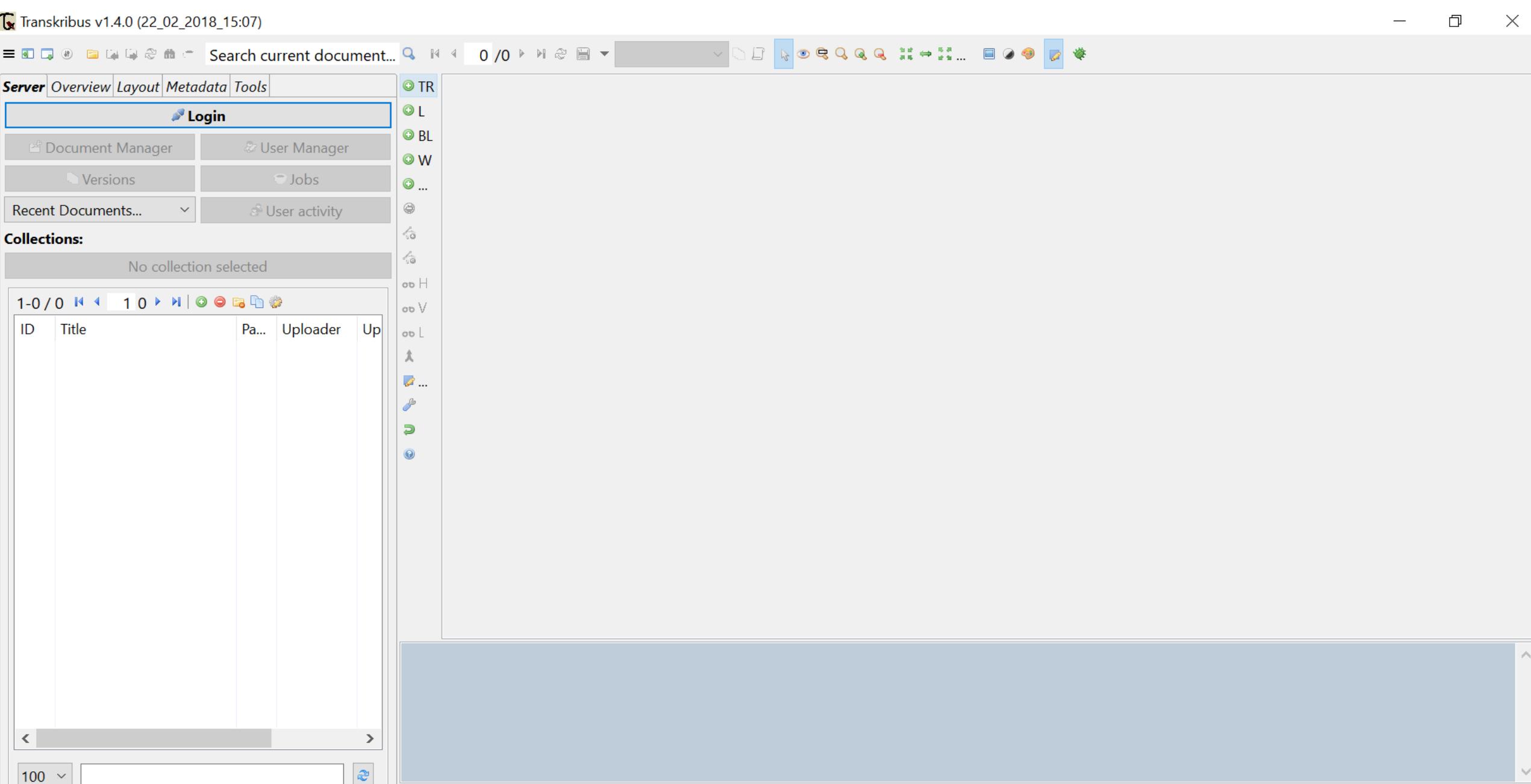
[View details »](#)

Scientists

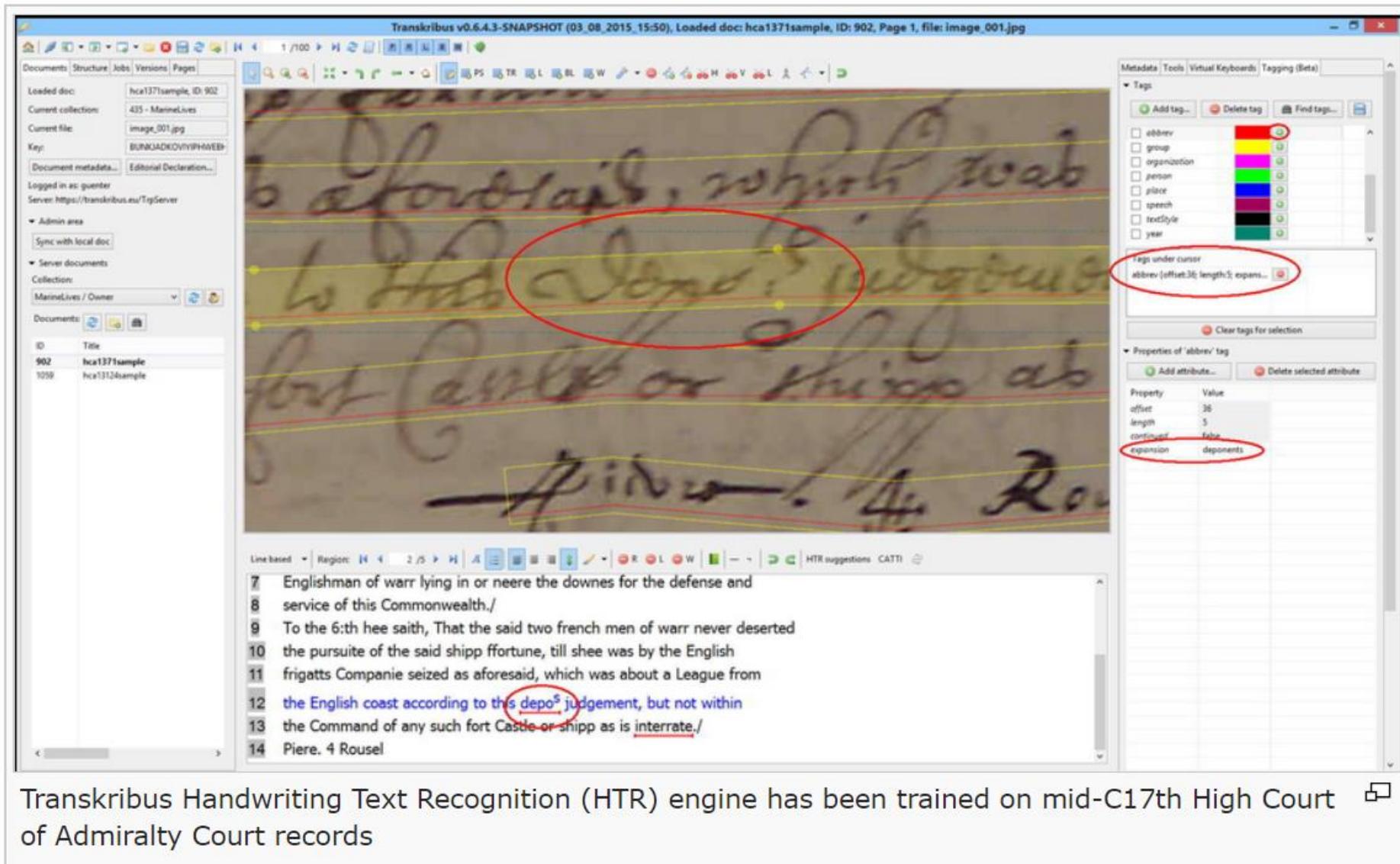
Are you a computer scientist and working in the fields of computer vision, document analysis, pattern recognition, natural language processing or a related field? You are seeking interesting documents from 1000 years of handwriting, printing and publishing? And you would really enjoy to get some reference data in a well-acknowledged format, such as PAGE?

[View details »](#)

Transkribus interface



Our first experiment with Transkribus was in 2015



Signature, mid manuscript page

On the laste session he angwoode
and boldeund what he hath formerly
boldeund and and dengesth what he
hath formerly done.

Wm Ashwell

Die prodr

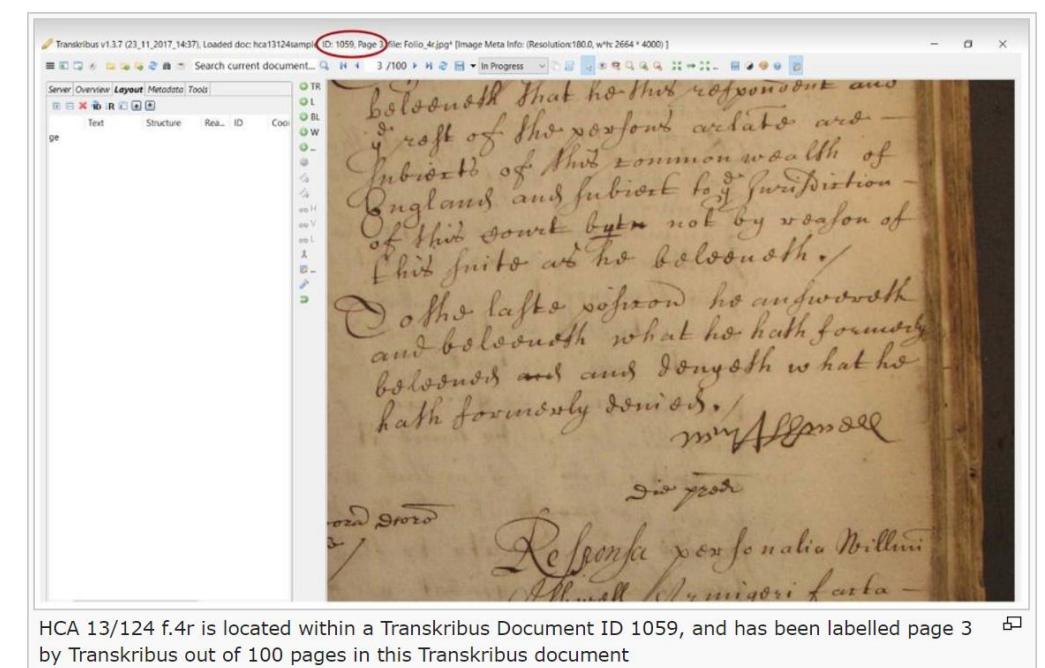
roda doro

Reponfa personalia Willm

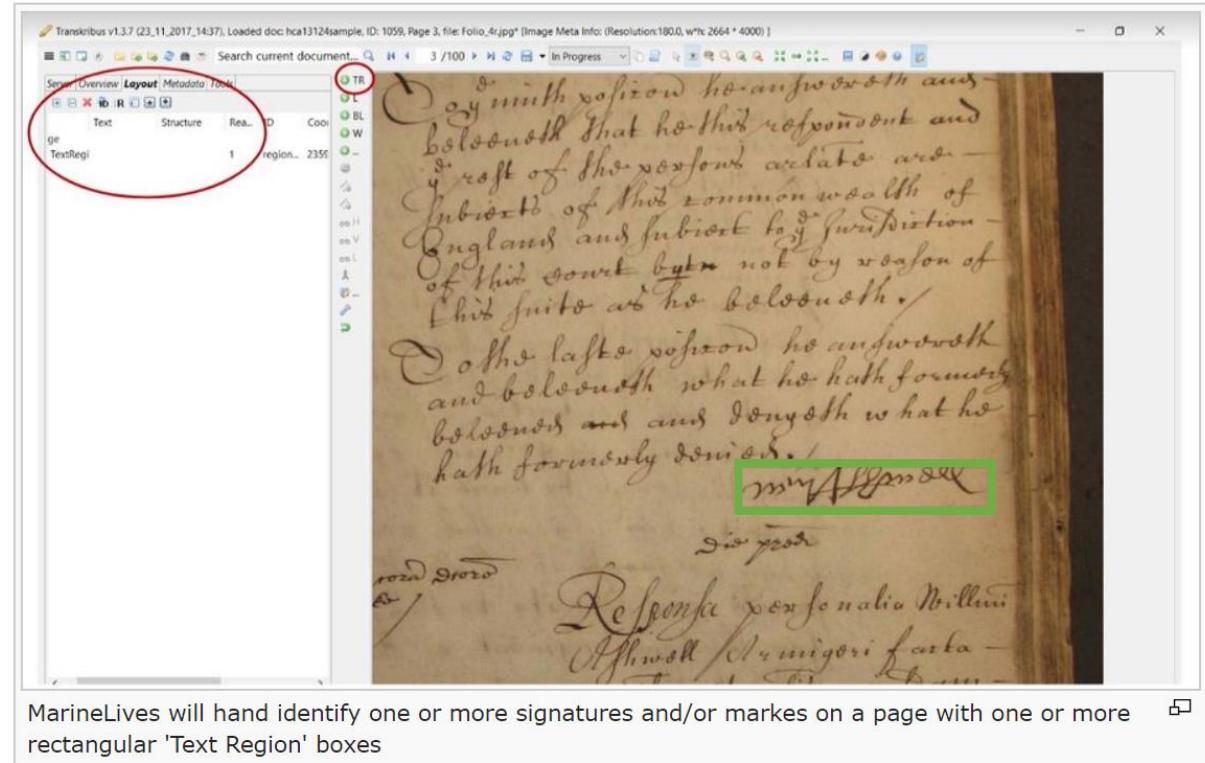
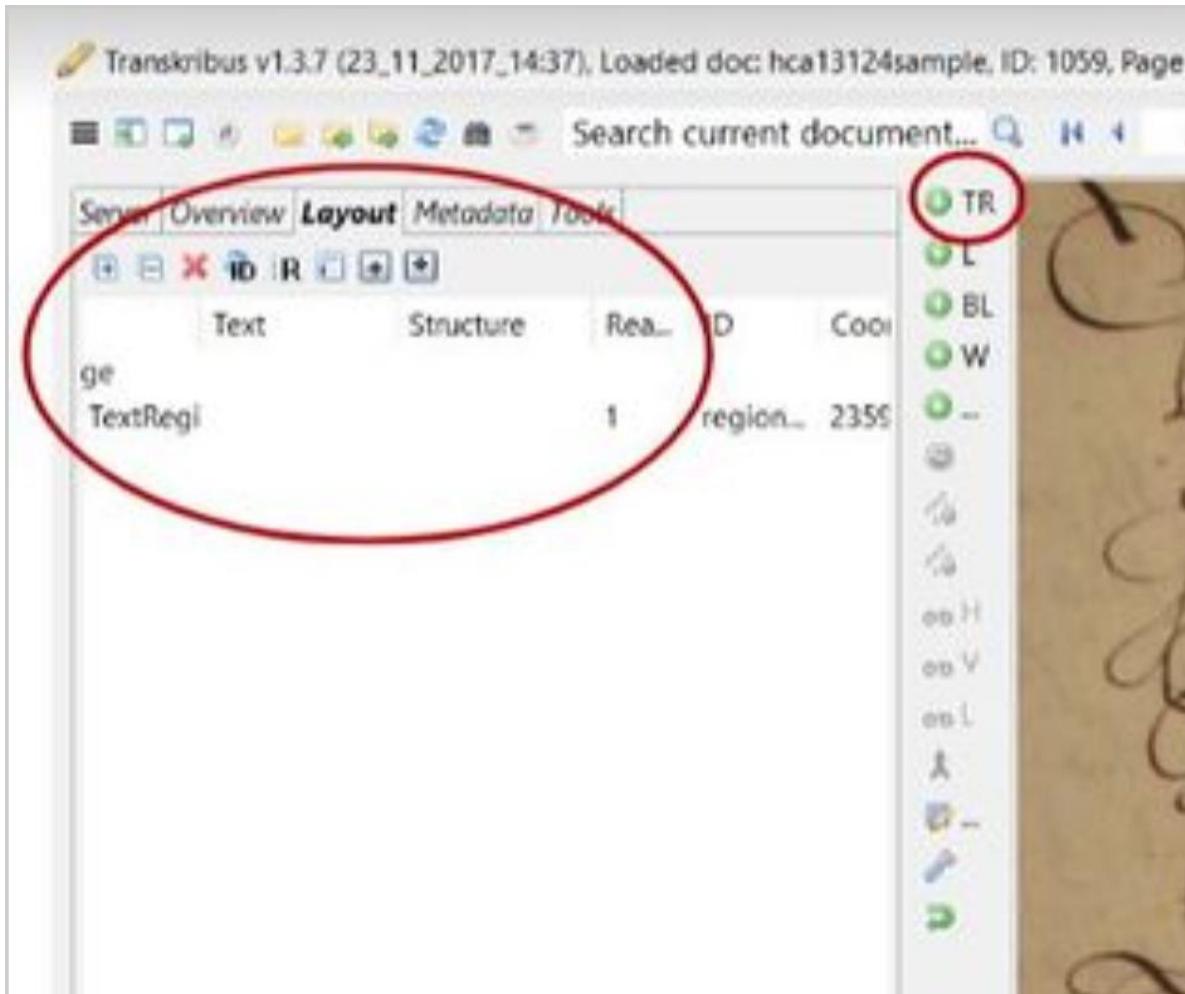
Signature of 'Wm Ashwell' (William Ashwell), who gave personal answer in the High Court of Admiralty, Nov. 1650, ([HCA 13/124 f.4r](#))



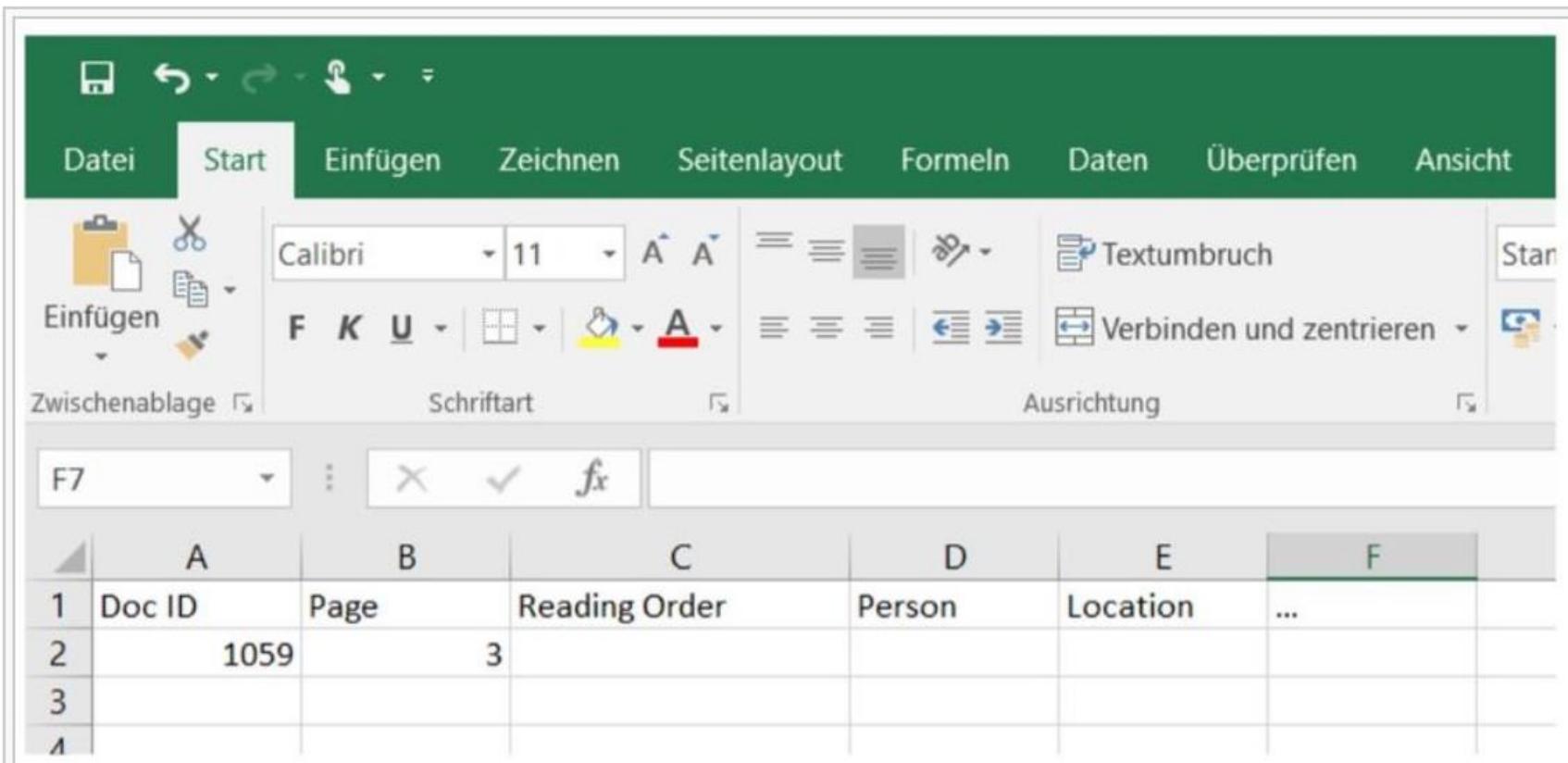
Linking archival volumes & folios to Transkribus document IDs



Transkribus assigns text region box to a signoff, automatically or by hand, but no means to annotate as “signoff”



Manual look up table linking Transkribus document ID & HCA metadata



The screenshot shows a Microsoft Excel spreadsheet with a green header bar containing the ribbon tabs: Datei, Start, Einfügen, Zeichnen, Seitenlayout, Formeln, Daten, Überprüfen, and Ansicht. The Start tab is selected. Below the ribbon, there are various toolbars for file operations, text styling (font, size, bold, italic, underline), and alignment. The formula bar at the top has 'F7' selected. The main area contains a table with the following data:

	A	B	C	D	E	F
1	Doc ID	Page	Reading Order	Person	Location	...
2	1059	3				
3						
4						

The MarineLives team will create a simple Excel work sheet linking document and page numbers to metadata concerning the High Court of Admiralty deponent, who has affixed his or her signature or mark at the end of a deposition or personal answer. These metadata will provide the name, place of residence, occupation and age of the deponent, and the date of the deposition or personal answer

Transkribus XML data revealing text area identification

The screenshot shows the Transkribus interface. At the top, there's a toolbar with various icons. Below it is a navigation bar with tabs like 'Server', 'Overview', 'Layout', 'Metadata', and 'Tools'. The 'Server' tab is selected, showing a user session: 'Logout Tamara.Terbul@uibk.ac.at'. Under 'Recent Documents...', there are entries for 'DSC_10003300_0149.jpg' and 'hca13124sample'. A large central window displays a historical manuscript page with handwritten text in cursive script. To the left of the page, there's a smaller preview window showing a different section of the same page. On the right side of the main window, there's a vertical scroll bar. In the bottom right corner of the main window, there's a small square icon with a cross inside. A red circle highlights this icon. Below the main window, there's a descriptive text box:

XML data for each page containing a signature or mark can be inspected and processed by researchers, and linked (if desired) to metadata on name, place of residence, occupation, age, and date of deposition, through the Excel spreadsheet described above

Issues

- Duplicated manuscript images in three technical ecosystems
 - IIIF, Transkribus & Recogito (and more)
- Exporting annotations from one technical ecosystem to another
- Using document area analysis performed in one technical ecosystem in a second technical ecosystem
- Demanding interface oriented towards professional document workers
- Is it worth creating own tailored interface & integration with other systems?
 - For crowd sourcing (e.g. Vele Handen)
 - For Signs of Literacy scale analysis of signoffs
- How will Transkribus be sustained beyond 2019, and will the project become involved in broad community based standard setting in the manner of IIIF image standards or W3C annotation standards?



Transkribus legal working group

Transkribus Legal Working Group Shared privately
3 of 3 topics (1 unread) ★ Tags · Manage · Members · About ▾

Welcome to the Transkribus Legal Working Group. The Group is an initiative of the [MarineLives](#) project team in collaboration with [READ/Transkribus](#).

The group is intended for historians, linguists and technologists interested in the use of automated tools to assist the transcription of Early Modern manuscripts (C16th, C17th, and C18th, with a focus on the C17th). Our focus is on Handwritten Text Recognition, and includes issues to do with text area and line recognition, key word spotting and machine learning driven HTR. Our group will not address OCR approaches to printed documents.

The main purpose of the group is to share tips for creating training data and to pool information about the strengths and weaknesses of the automatic recognition of these kinds of documents.

We are also interested in the application of natural language processing and semantic annotation techniques to manuscript data, once manuscripts are in machine readable form.

Specifically, we are interested in:

- legal manuscript documents
- notarial hands/legal hands
- secretarial hands from 16th & 17th century (with a focus on 17th)
- in any language (especially English, Dutch, German, French, Spanish and Latin)

We will be holding regular video calls every four to six weeks for a period of six months (June to October 2018) and will then review progress and the usefulness of the group.

The group convenor is [Colin Greenstreet](#), co-director of MarineLives, and the spirit of the group is intended to be collaborative and open.

[Edit welcome message](#) [Clear welcome message](#)

<input type="checkbox"/>	 Brief bios of Transkribus Legal Working Group members By me - 3 posts - 7 views 	May 28
<input type="checkbox"/>	 Kickoff ZOOM video call for Transkribus Legal Working Group (1) By me - 1 post - 10 views 	Kickoff Transkribus Zoom Apr 28
<input type="checkbox"/>	 Establishing a registry of Transkribus generated HTR models which perform well with secretarial hands. (1) By me - 1 post - 7 views 	Apr 29

Transkribus bibliography

Bibliography: Transkribus use cases; signature recognition technology; key word spotting technology

Blog articles

Alex Hailey (Curator, Modern Archives and Manuscripts), 'Using Transkribus for handwritten text recognition with the India Office Records', British Library, Digital scholarship blog, Jan. 23rd, 2018^[1]

Nora McGregor (Digital Curator, British Library), '8th Century Arabic science meets today's computer science, Or, Announcing a Competition for the Automatic Transcription of Historical Arabic Scientific Manuscripts', British Library Digital Scholarship blog, Feb. 8th, 2018^[2]

Interactive Keywords Spotting Tool, showcased at European Researchers' Night, READ blog entry, Oct. 23, 2017^[3]

Github

Transkribus/VCG-DUTH-Word_Spotting_By_Example, Github, 2018^[4]

Journal articles

K. Zagoris, I. Pratikakis and B. Gatos, "Segmentation-Based Historical Hand-written Word Spotting Using Document-Specific Local Features," 2014 14th International Conference on Frontiers in Handwriting Recognition, Heraklion, 2014, pp. 9-14.

K. Zagoris, I. Pratikakis, and B. Gatos, "A framework for efficient transcription of historical documents using keyword spotting," in Historical Document Imaging and Processing (HIP'15), 3rd International Workshop on, August 2015, pp. 9-14.

K. Zagoris, I. Pratikakis, B. Gatos. 2017 Unsupervised Word Spotting in Historical Handwritten Document Images using Document-oriented Local Features. Transactions on Image Processing. Under Review.

Multimedia

Günter Mühlberger, 01 Presentation: Transkribus - the status quo and future plans, Transkribus User Conference, Nov. 2-3, 2017, Youtube video, pub. Jan 23. 2018

02 Presentation: Transkribus in practice - Reports from Users, Transkribus User Conference, Nov. 2-3, 2017, Youtube video

03 Presentation: Transkribus keyword searching and indexing, Transkribus User Conference, Nov. 2-3, 2017, Youtube video

Presentation: More reports from users: first part, Transkribus User Conference, Nov. 2-3, 2017, Youtube video

04 Presentation: More reports from users: second part, Transkribus User Conference, Nov. 2-3, 2017, Youtube video

05 Presentation: Panel discussion, Transkribus User Conference, Nov. 2-3, 2017, Youtube video

SESSION TWO: Technology themes & discussion

Part Four: The potential of Recogito

Dr Rainer Simon



ADD SLIDES

Rainer

Issues

- Duplicated manuscript images in three technical ecosystems
 - IIIF, Transkribus & Recogito (and more)
- Exporting annotations from one technical ecosystem to another
- Using document area analysis performed in one technical ecosystem in a second technical ecosystem



TEN MINUTE BREAK

SESSION THREE

WORKSHOP TIMETABLE

'Technology tools to explore historical literacy'

Coordinator: Colin Greenstreet for Signs of Literacy Community;
hosted by Mark Ponte at Stadsarchief Amsterdam

Tuesday, June 5th, 2018;

13.00-17.00 (Central European Time), 12.00-16.00 (British Summer time);

The Italian Room, Stadsarchief Amsterdam; by invitation

Times listed in draft timetable are Central European Time

13.00 – 14.00 SESSION ONE: Introduction & mariner literacy	
13.00 – 13.10	Personal introductions; introduction to Signs of Literacy community; role of technology in enabling the community [All; Colin Greenstreet]
13.10 – 13.20	Reading & literacy [Colin Greenstreet]
13.20 – 13.35	Literacy of C17th mariners: evidence from Alle Amsterdamser Akten (Amsterdam notarial archives) [Mark Ponte]
13.35 – 13.50	Literacy of C17th mariners & shore trades: evidence from English High Court of Admiralty [Colin Greenstreet]
13.50 – 13.59	Panel on mariner & shore trade literacy using English & Dutch evidence [Mark Ponte; Colin Greenstreet; Dr Jelle van Lottum]
14.00 – 14.09 BREAK	
14.10 – 15.00 SESSION TWO: Technology themes & discussion	
14.10 – 14.15	Discussion: Technology tools and processes currently in use in archives of relevance to historical literacy [All]
14.15 – 14.45	The potential of IIIF [Discussion led by Glen Robson]
14.45 – 15.15	The potential of Transkribus [Discussion led by Colin Greenstreet, with input from Thomas van Maaren & Mark Ponte]
15.15 – 15.45	The potential of Recogito annotation tool under development by Pelagios project team [Discussion led by Dr Rainer Simon]
15.50 – 15.59 BREAK	
16.00 – 17.00 SESSION THREE: Pattern recognition & machine learning applied to marks, initials & signatures at scale	
16.00 – 16.10	Required technologies [Colin Greenstreet]
16.10 – 16.15	Our original proposal for a five day Data Study Group, developed with the Alan Turing Institute (Colin Greenstreet/Dr Mark Hailwood)
16.15 – 16.30	Our current proposal to run a Signs of Literacy Kaggle Research Competition, November 2018-early January 2019 [Colin Greenstreet/Dr Mark Hailwood/Mark Ponte]
16.30 – 17.00	Discussion [All]

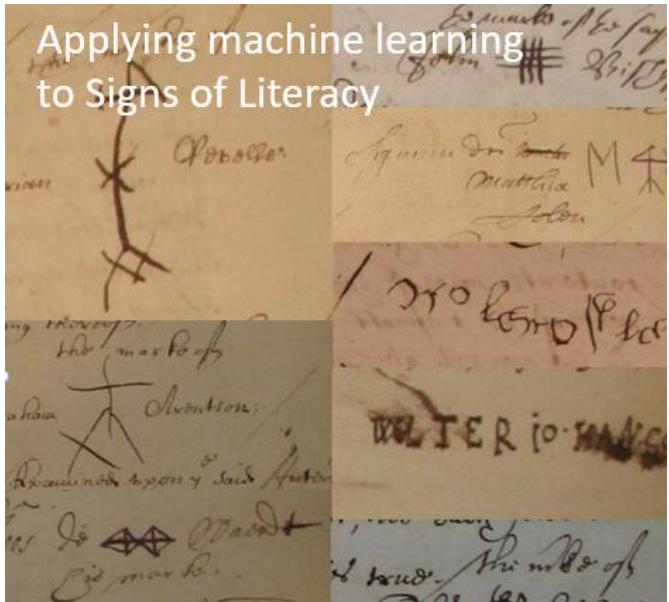
SESSION THREE: Pattern recognition & machine learning
applied to marks, initials & signatures at scale

Part One: Required technologies

Colin Greenstreet

A technology enabled manuscript community ...

... to explore historical literacy



There is a better way...



Recogito |  AN INITIATIVE OF
Pelagios
commons



The screenshot shows the Kaggle competition interface for the "Signs of Literacy Kaggle Research Competition, 2018". It features a grid of various competition-related icons and links, including sections for "SOLVING THE TITANIC KAGGLE COMPETITION IN AZURE ML", "kaggle", and "Creating a Titanic Model in R Part 1". Below the grid, text reads: "Signs of Literacy Kaggle Research Competition, 2018", "Colin Greenstreet on LinkedIn", and "April 30, 2018".

User requirements

- Automatic identification of manuscript pages containing signoffs
- Markup of manuscript pages to isolate signoffs (marks, initials, signatures)
 - Hand markup of manuscript pages, but ideally automated markup
 - Signoffs can be single or multiple, for single or multiple depositions
 - Deponent signoffs; interpreter signoffs
- Automatic differentiation between classes of marks, initials and signatures
- Automatic differentiation within each class as to sophistication of execution & other parameters as a surrogate for literacy
- Automatic identification of manuscript pages containing deponent metadata (name; age; occupation; place of residence; date of deposition)
- Markup of manuscript pages to isolate deponent metadata
- Hand writing text recognition of deponent metadata and associate metadata with correct signoff
- Geo-referencing of signoffs
 - Display signoffs and/or manuscript pages containing signoffs by georeferences

SESSION THREE: Pattern recognition & machine learning
applied to marks, initials & signatures at scale

**Part Two: Turing five day
data study group**
Colin Greenstreet

**The
Alan Turing
Institute**

Turing proposal



The Alan Turing Institute Data Study Group | Spring 2018

Monday 16th April – Friday 20th April 2018

Accenture Exclusive

Challenge form

- 1, A-D: Defining the science challenge
- 2, A-D: Dataset and data access
- 3, A-D: Impact

1: Defining the science challenge

A) What is the business/operational/societal background to this science challenge?
[description should be suitable for a well-educated lay-person]

MarineLives: "Pattern recognition of signatures and marks in historical manuscripts as a basis for sub-population identification"

Goals of the challenge

The proposed MarineLives science challenge for the Spring 2018 Alan Turing Institute Data Study Group serves two purposes.

Firstly, to enrich understanding of our medium sized occupational, socio-demographic and image data using pattern recognition techniques drawn from data science.

Secondly, to develop a use case for both historians and data scientists to show the power of working together.

Social and educational background

MarineLives is a collaborative volunteer driven project, founded as a spinoff from a National Archives hackathon in early 2012. It is dedicated to the collaborative transcription, linkage and enrichment of primary manuscript documents from the [English High Court of Admiralty](#), 1627 to 1677, together with thematically related manuscripts from international manuscript and printed document collections. These data are a powerful source of commercial, social, material, legal and linguistic insight, and are of relevance to historians, historical sociologists, historical and corpus linguists, and archaeologists. We publish as we go, under a CC BY 3.0 licence, on our [semantic media wiki](#). Currently we have 12,606 text pages and 11,843 images available and nearly six million words of full text transcriptions.

MarineLives is unique amongst expert sourcing and crowdsourcing projects in its application of project management and facilitation techniques drawn from management consultancy and pharmaceutical R&D. We provide a high degree of support and training to our volunteers through facilitators, modelled on engagement managers, underpinned by [well developed wiki based training material](#), and enlivened with regular Skype facilitated team meetings for volunteers drawn from England, Scotland, Wales, Ireland, France, the Netherlands, the United States and Canada.

https://github.com/Signsofliteracy/Signoff/blob/master/MarineLives_Turing-Accenture%20DSG%20science%20challenges_DEFINITIVE%20THREE%202018.pdf

**SESSION THREE: Pattern recognition & machine learning
applied to marks, initials & signatures at scale**

**Part Three: Kaggle research
competition
Colin Greenstreet**



Signs of Literacy Kaggle Research Competition, Nov 2018 – Jan 2019



Signs of Literacy Kaggle Research Competition, 2018

Colin Greenstreet on LinkedIn
April 30, 2018

Google owned Kaggle has selected us as one of a small number of pro bono competitions they support each year on the merits of our proposal, and the potential impact on the research field and community of the competition.

Kaggle will cover the running costs of the competition. We will provide the prize pool, and are now seeking to raise US \$30,000 from potential sponsors and partners.

The Proof of Concept will contain two parts:

- (1) Algorithmic identification of marks, initials and signatures.
- (2) Algorithmic discrimination between degrees of "sophistication" within the three categories of "mark"; "initial(s)", and "signature".

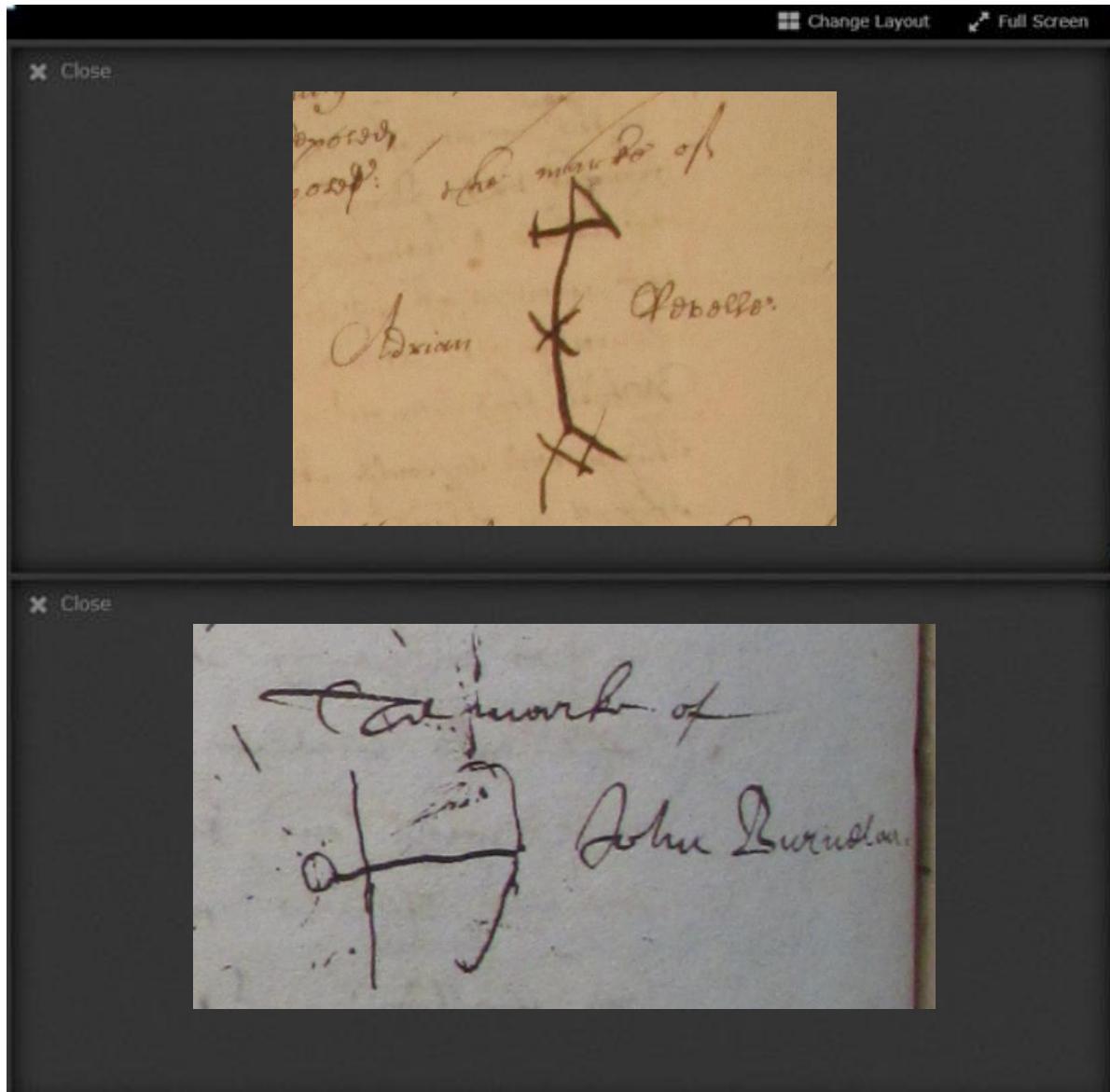
Having proven the concept, we will seek out an image or vision oriented computational laboratory with which to develop a grant funded collaboration to take the work further in 2019 and beyond.

Organisational issues

- \$30,000 prize fund
- Organisational group
- Technical partners
- Content partners
- Licences
- Testing small dataset with Kaggle
- Kaggle contract
- Training dataset
 - Agreeing grading criteria
 - Assembling & grading the dataset

Conjoint analysis IIIF viewer plugin

David Rumsey Map Collection - MapTab



Adrian Revelle,
twenty-three year
old mariner, of
Dunquirke in
fflanders, November
12th, 1653; “hee
only speaketh the
flemish speech”
(HCA 13/68 f.183v)

John Burnelau,
twenty-eight year
old sailor, of Mornar,
France, March 30th,
1661 ([HCA 13/73](#)
f.486v)

SESSION THREE: Pattern recognition & machine learning
applied to marks, initials & signatures at scale

Part Four: Discussion

All

Workshop wrap up

Talking points

- Related projects
 - Content
 - <https://pro.europeana.eu/project/rise-of-literacy>
 - Technical
- Licensing issues
 - TNA
 - MarineLives: CC BY 3.0
 - Stadsarchief
- Funding
 - 2018
 - 2019+
- Community expansion
 - GitHub members
 - Institutions

Indicative funding targets

- £30,000 target for Chronoscopic Education
 - 2 years funding: 2019 & 2020
- £30,000 target for MarineLives
 - 2 years funding: 2019 & 2020
- Series of grant bids & approaches to commercial/charitable sources by Signs of Literacy community members
 - 2018, mainly 2019, for 2019 to 2021 funding
 - \$30,000 Kaggle research competition prize pot (by October 2018)
 - BA/Leverhulme small grant (Dr Mark Hailwood)
 - With TNA and/or Stadsarchief Amsterdam/Alle Amsterdamser Akten project and/or Huygens Institute/Dutch Prize Papers project?
 - With other US and/or European potential partners?
- Potential small development grant bid for EM textiles, garments & dyestuffs glossary in partnership with Wikidata
 - ?£10,000: 2019 or 2020
- Potential small development grant bid for EM maritime & mercantile gazetteer with Amalia S. Levi & Recogito/Pelagios + other potential partners to be identified
 - ?£10,000: 2019 or 2020

Chronoscopic Education ormation & charitable status

- Forming legal organization by end June 2018
- Submitting application to English Charity commission by mid-July 2018
 - Charitable incorporated organization
- Intended as legal, funding & technology home of MarineLives & further development projects
- Contracting partner for Google supported Signsofliteracy Kaggle research competition

https://en.wikipedia.org/wiki/Charitable_incorporated_organisation ;
<https://www.gov.uk/guidance/how-to-set-up-a-charity-cc21a> ;
<https://www.gov.uk/guidance/how-to-register-your-charity-cc21b> ;
<https://www.gov.uk/guidance/how-to-write-your-charitys-governing-document> ; <https://www.gov.uk/guidance/charity-trustee-whats-involved>



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The Free Encyclopedia

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Current events
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Help
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Community portal
Recent changes
Contact page

Tools
What links here
Related changes
Upload file
Special pages
Permanent link
Page information
Wikidata item
Cite this page
Print/export
Create a book
Download as PDF

Perambulate



Sandbox

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Article

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Charitable incorporated organisation

From Wikipedia, the free encyclopedia

A **charitable incorporated organisation (CIO)** is a new form of legal entity designed for non-profit organisations in the United Kingdom.

The main intended benefits of the new entity are that it has **legal personality**, the ability to conduct business in its own name, and **limited liability** so that its members and **trustees** will not have to contribute in the event of financial loss. These are already available to **limited companies**; charities can be formed as companies, but then

they must be registered with both **Companies House** and the **Charity Commission**. In contrast, the CIO only needs to register with the Charity Commission. This is expected to reduce **bureaucracy** for the charity.^[1]

The CIO status became available to charities in England and Wales on 4 March 2013. In Scotland, the **Office of the Scottish Charity Regulator** began registering **Scottish Charitable Incorporated Organisations (SCIOs)** in April 2011.^[2]

This article is part of a series on
Corporate law



By jurisdiction [show]

General corporate forms [show]

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Related areas [show]

[Company portal](#) · [Law portal](#)

V · T · E

Thank you