

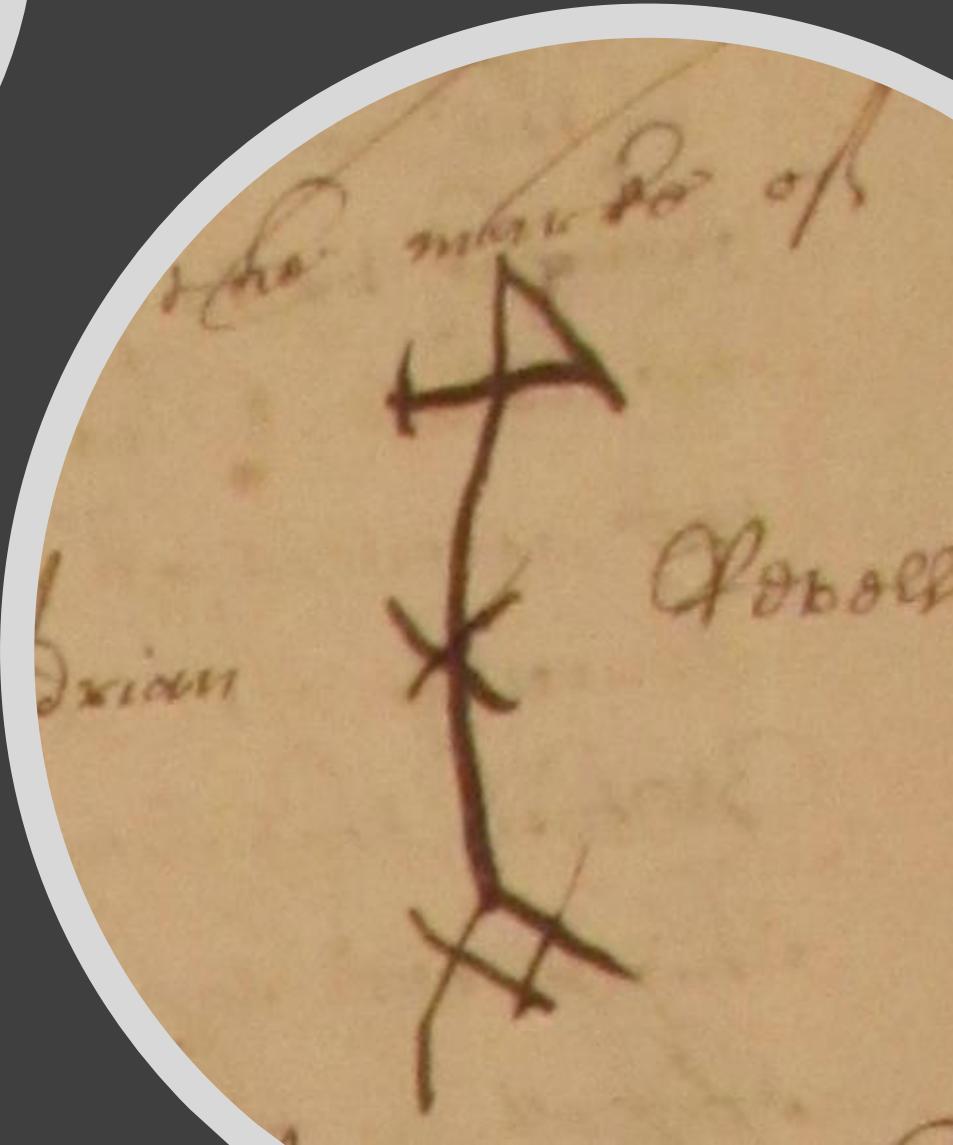
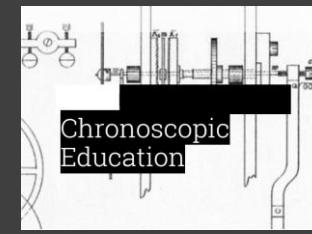
Tuesday, June 5, 2018

Stadsarchief Amsterdam

The Italian Room, 13.00-17.00 (CET)

Signs of Literacy
Workshop

Technology tools to explore historical literacy



Today's agenda

SESSION ONE

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 – 15.50	SESSION TWO: Technology themes & discussion
14.10 – 14.20	Discussion: Technology tools and processes currently in use in archives of relevance to historical literacy [All]
14.20 – 14.50	The potential of IIIF [Discussion led by Glen Robson]
14.50 – 15.20	The potential of Transkribus [Discussion led by Colin Greenstreet, with input from Thomas van Maaren & Mark Ponte]
15.20 – 15.49	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 markes, 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]

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)

Filotas Liakos (MA student, history/archival studeis, 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)

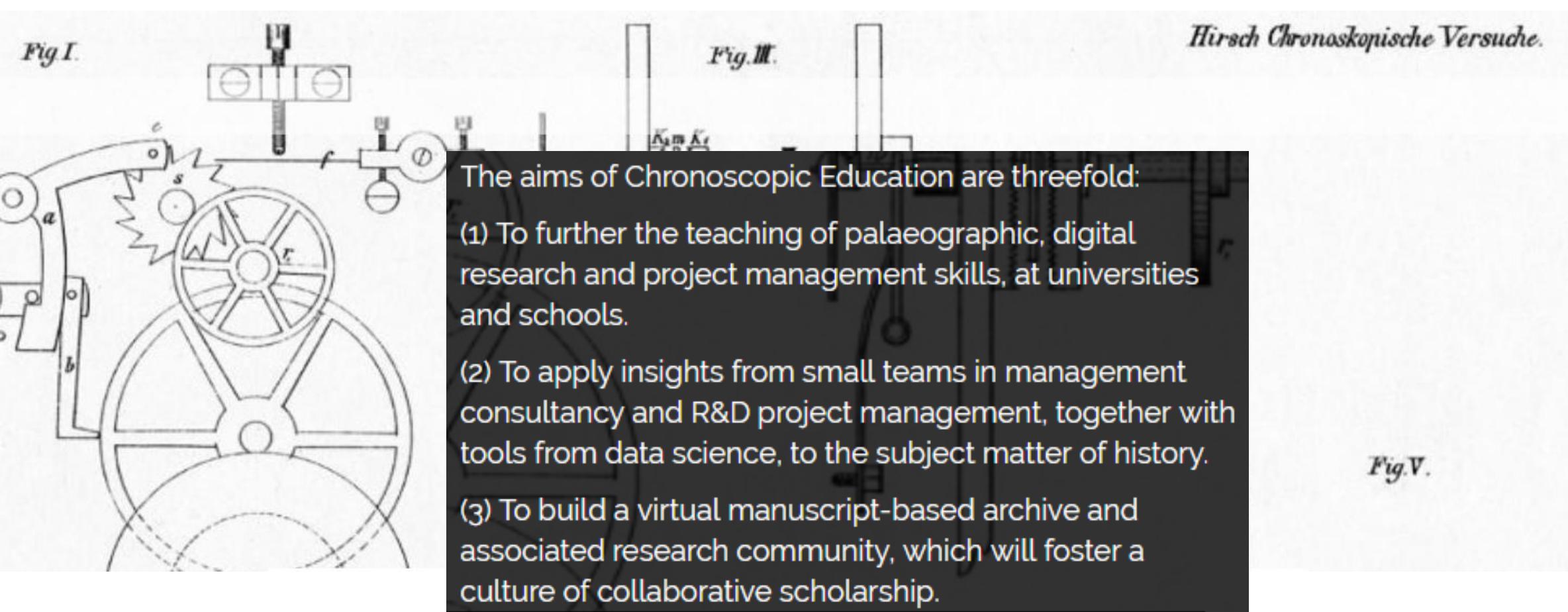
Jirsi Reinders (data curator, Alle Amsterdamser Akten, Stadsarchief, Amsterdam)

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)

Chronoscopic Education social aims



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 Community
Colin Greenstreet



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



Alle
Amsterdamse
Akten

DE BESTE VERHALEN UIT HET ARCHIEF
VAN DE AMSTERDAMSE NOTARISSEN

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:

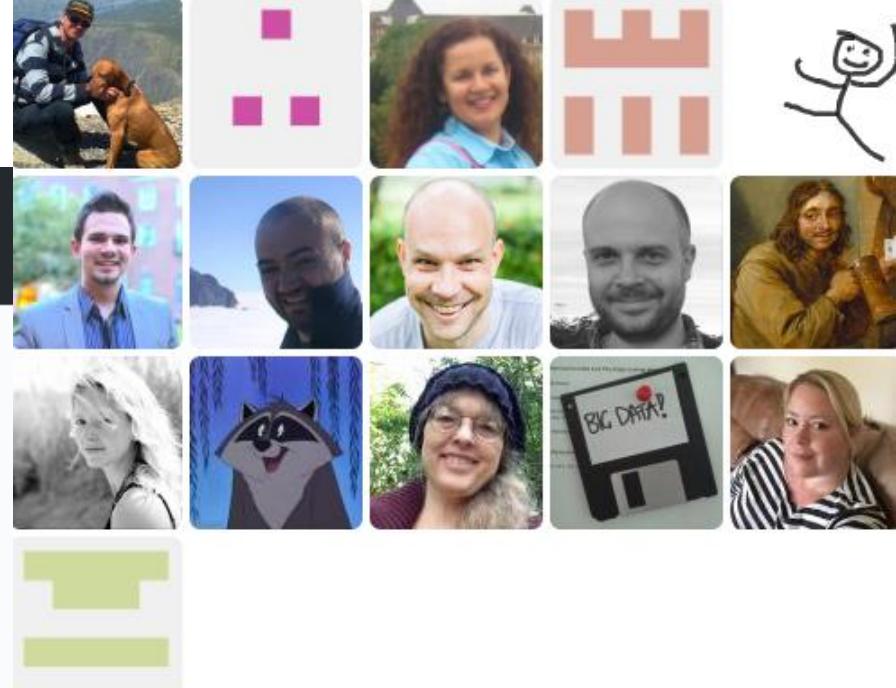
<https://github/Signsofliteracy/Signoff>

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

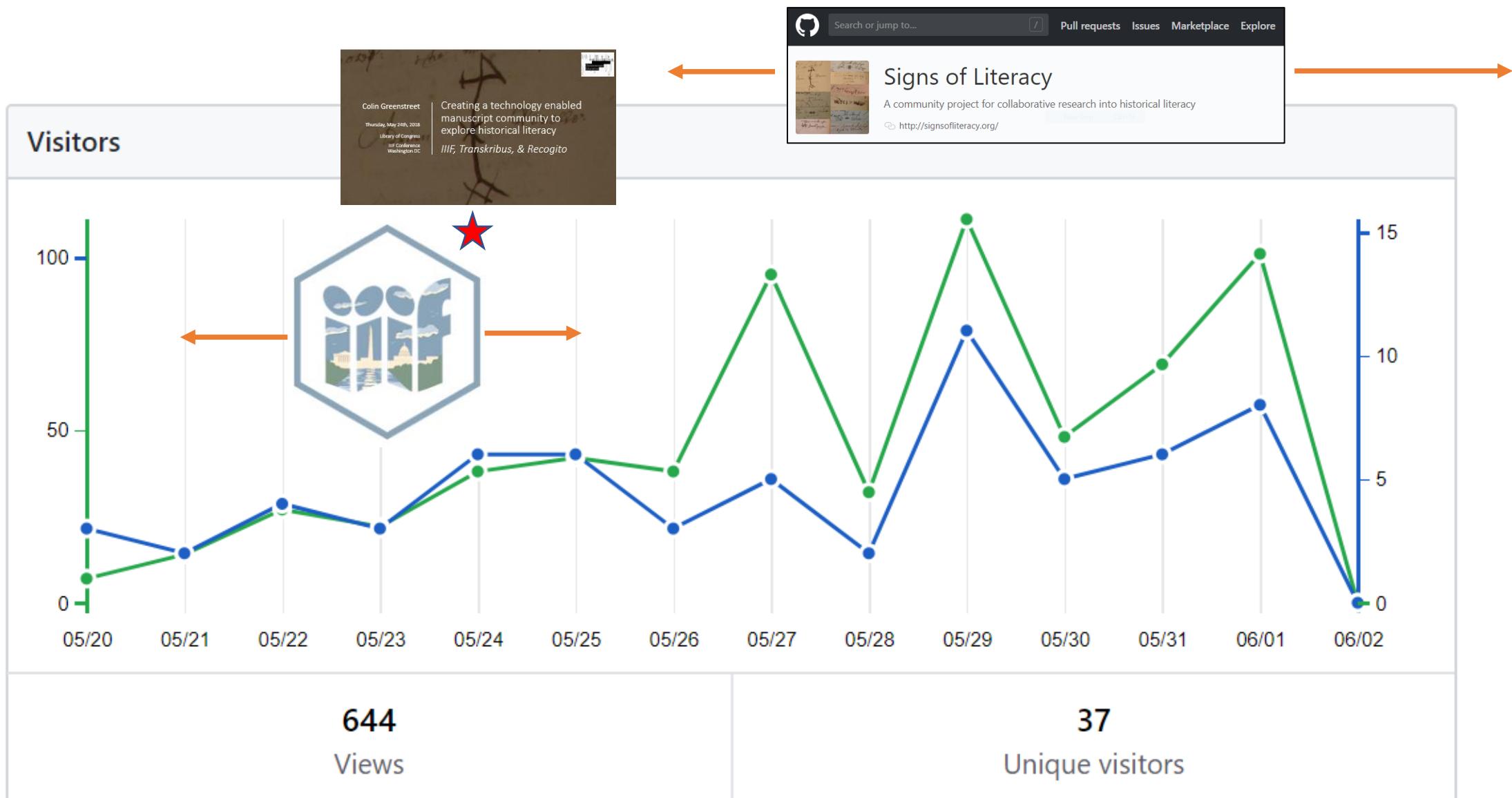
Workshop

- 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

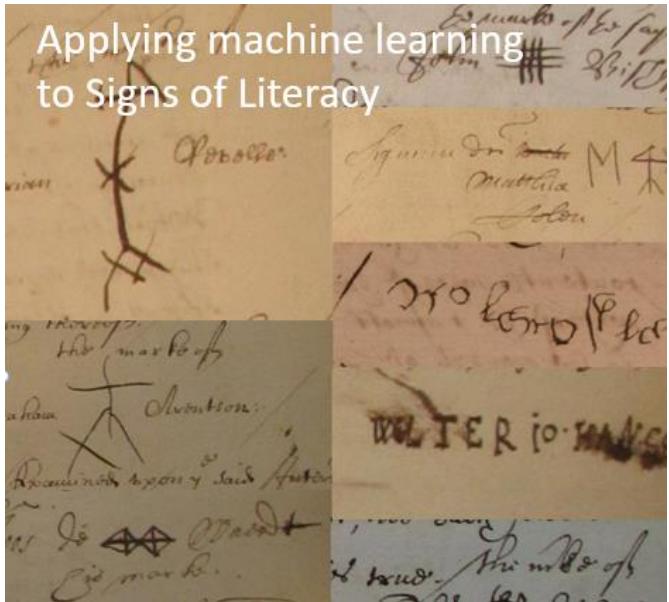
- We are organising a [Kaggle Research Competition](#) to run from November 2018 to mid-January 2019 to develop a Proof of Concept for algorithmic identification of markes, initials and signatures. This will draw on our previous work on ['Pattern recognition of signatures and markes in historical manuscripts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



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 sections, including "SOLVING THE TITANIC KAGGLE COMPETITION IN AZURE ML", "kaggle", and "Creating a Titanic Model in R Part 1". Below the interface, the text reads: "Signs of Literacy Kaggle Research Competition, 2018" and "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

Colin Greenstreet

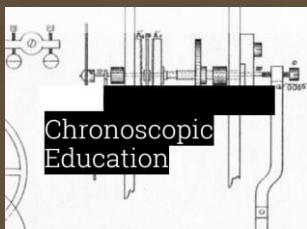
Tuesday, June 5, 2018

Stadsarchief Amsterdam
The Italian Room, 13.00-17.00

Signs of Literacy
Workshop

DRAFT, ver. 1.3

Handwriting and literacy



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

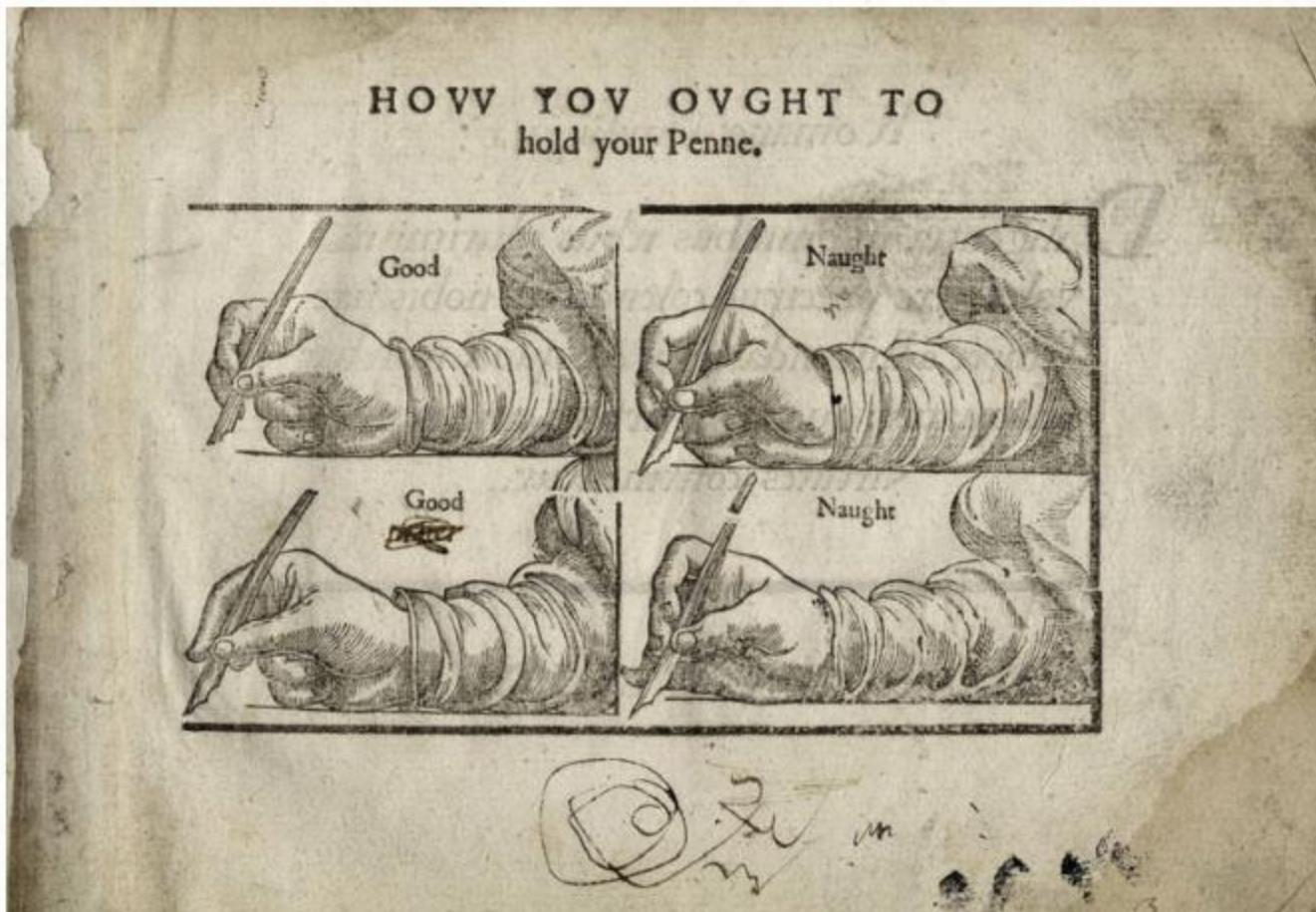


'Printable sheets for learning Alphabet: Alphabet Practice Chart',
<https://printable360.com/printable-worksheets-for-learning-alphabet/printable-worksheets-for-learning-alphabet-learning-the-alphabet-worksheets-24/>

'Grammatica, De zeven vrije kunsten (serietitel)', Cornelis Jacobsz. Drebbel, 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

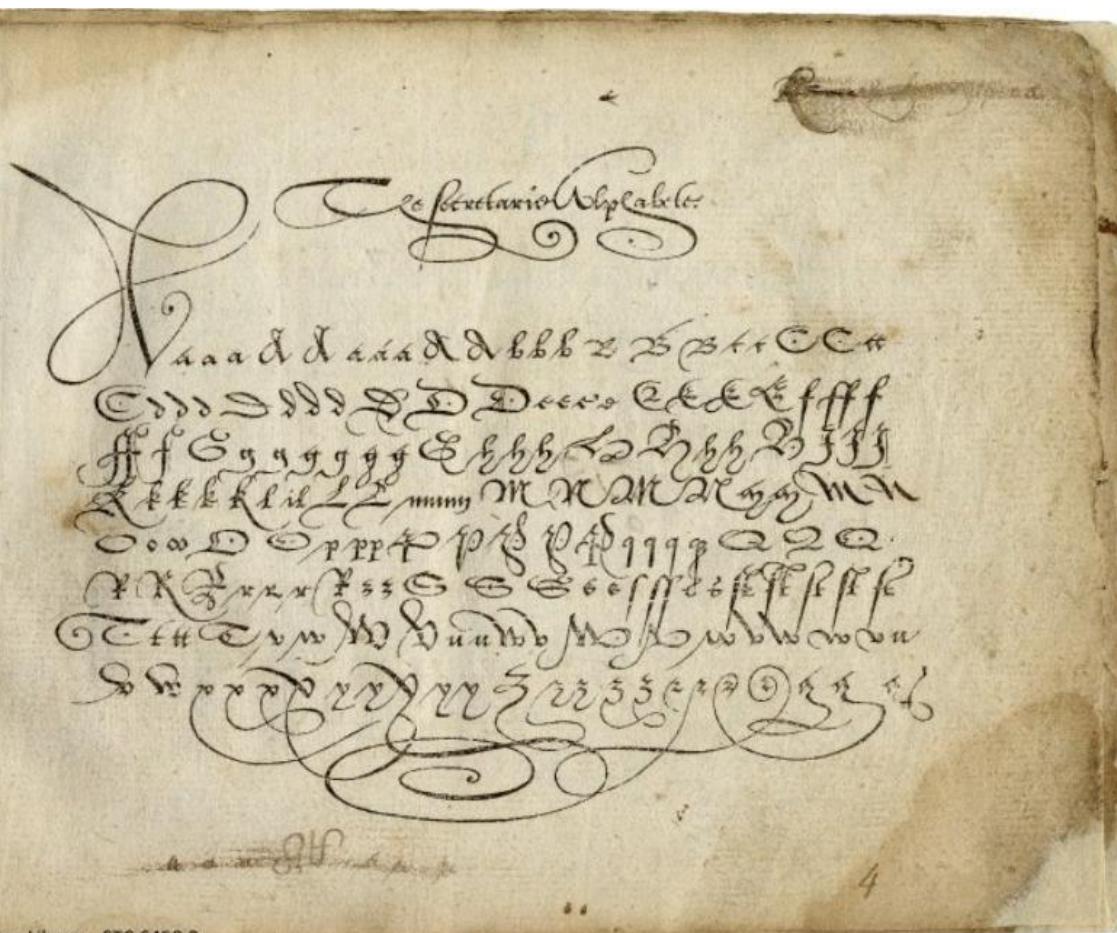
Jehan de Beau-Chesne and John Baildon, A booke containing diuers sortes of hands (London, 1602)



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

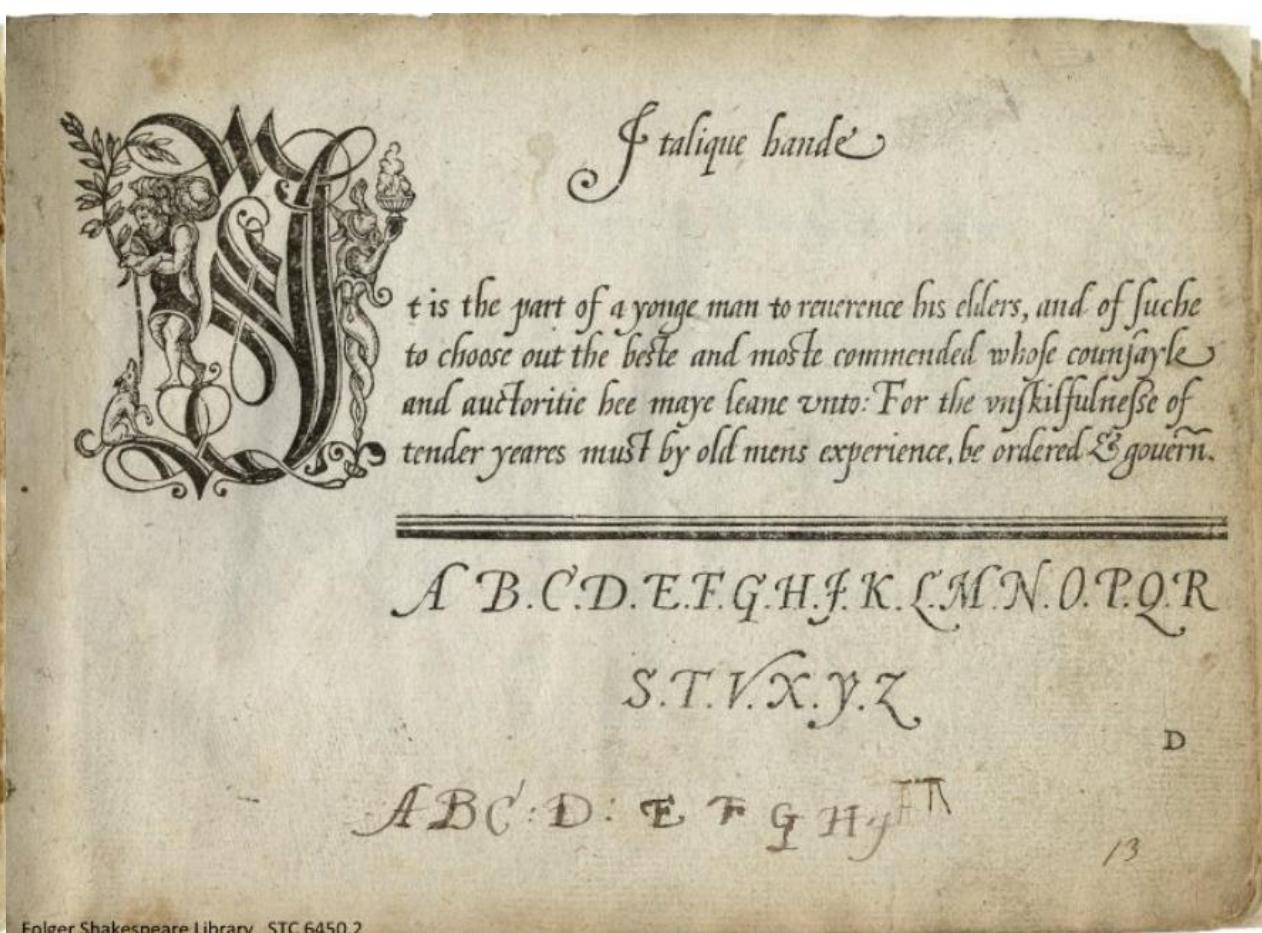
Copybook, 1602

The secretaire Alphabete



Folger Shakespeare Library STC 6450.2

The italique hande



Copybook, ca. 1800

Tristram Little's copy book, early 1800s



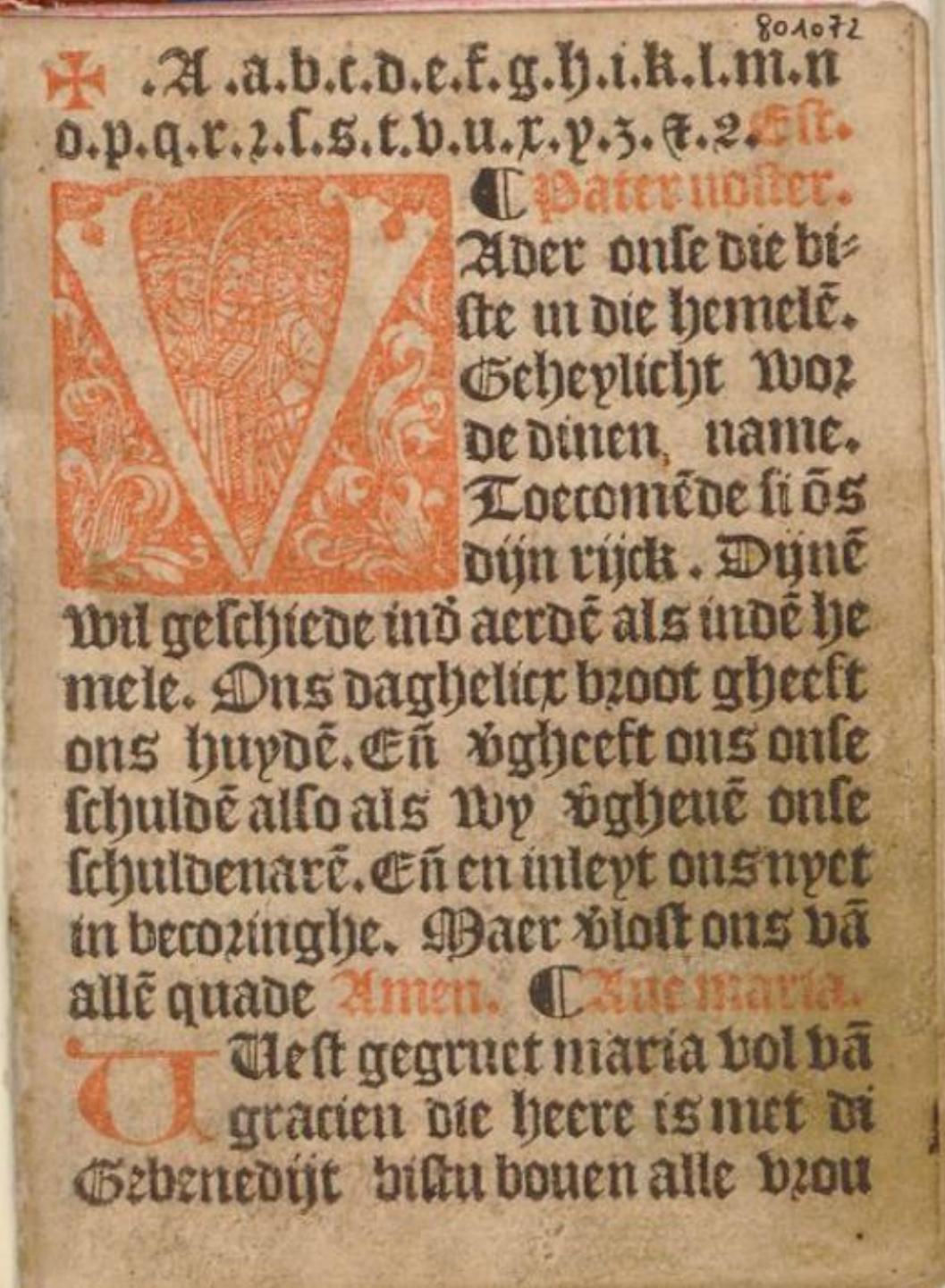
Copybook, 1840-50

XXXX



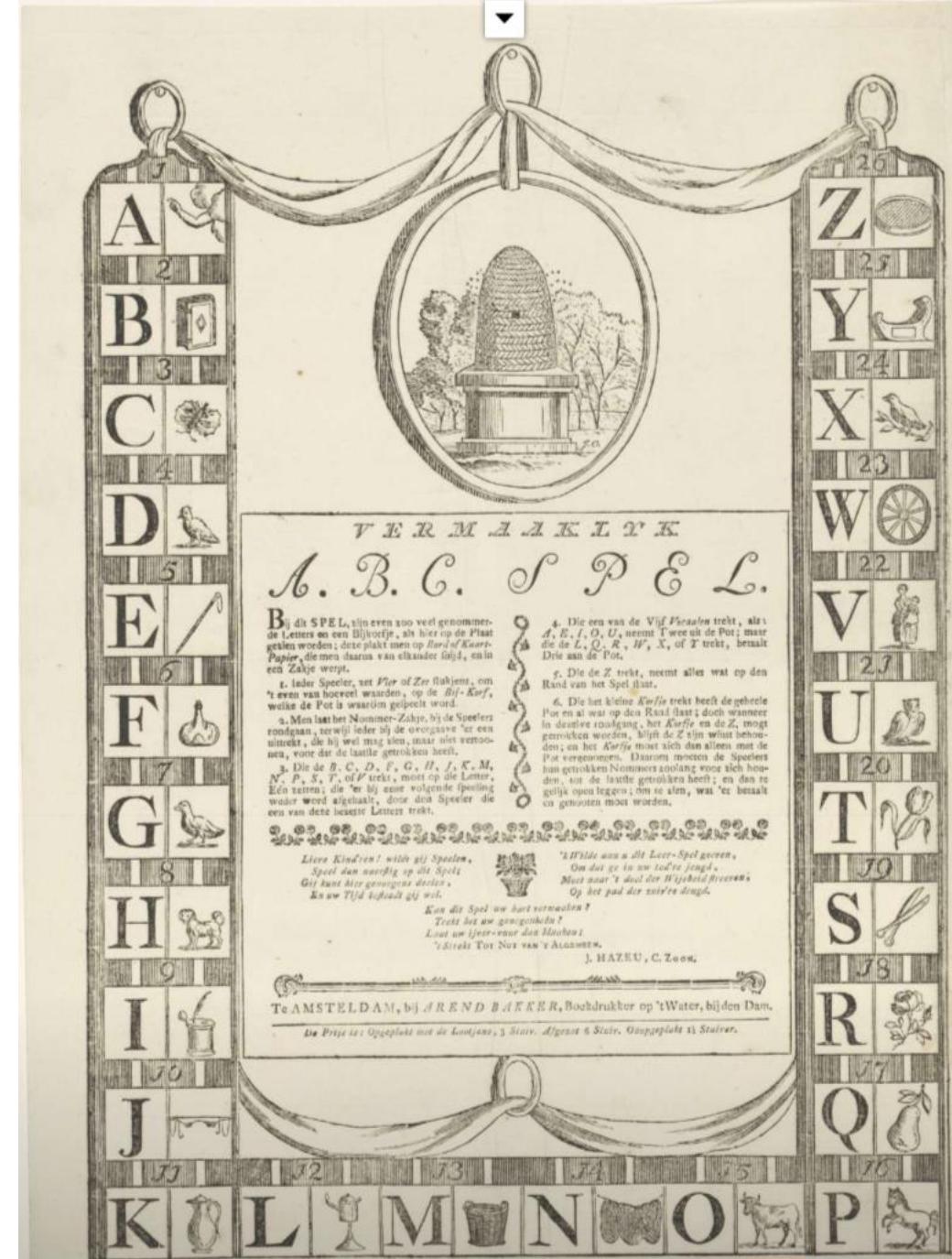
XXXXXX

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



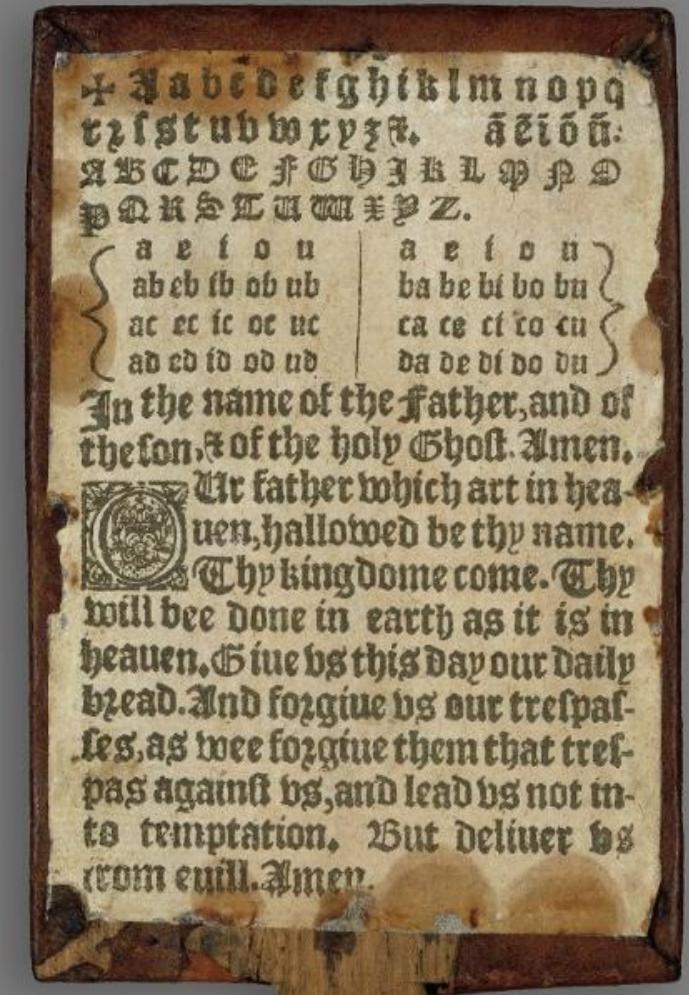
'ABC-spel, ca. 1780-1795, Jan Oortman (Sr.), 1778-1795, print,
houtsnede met tekst in boekdruk, h 412mm x b 303mm, Rijksmuseum, Netherlands,
<https://www.rijksmuseum.nl/nl/collectie/RP-P-OB-88.078>

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

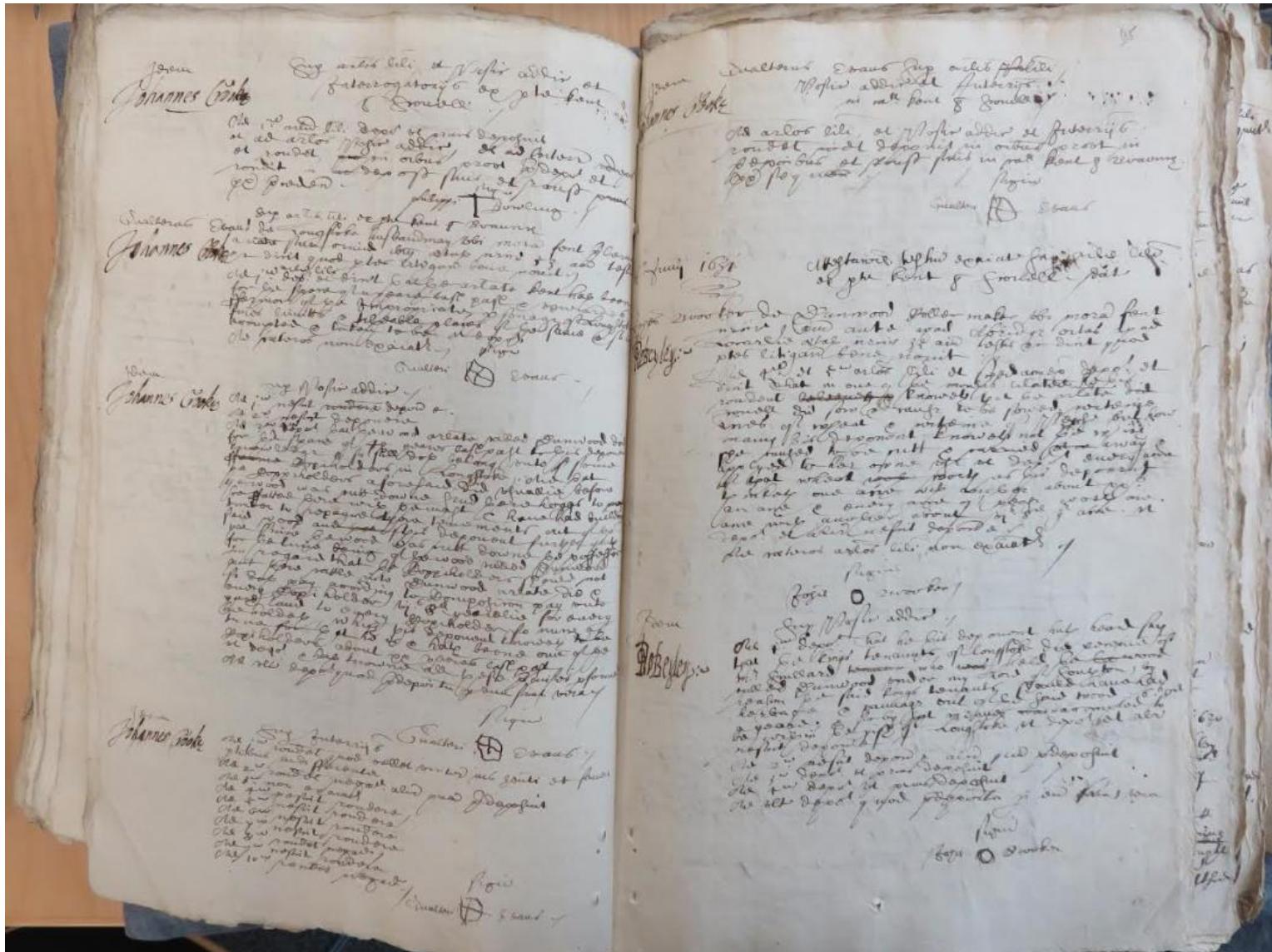


Boy with hornbook on painting by Jurriaen Ovens, Regents of the Civic Orphanage (Burgerweeshuis) in Amsterdam, 1663

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)

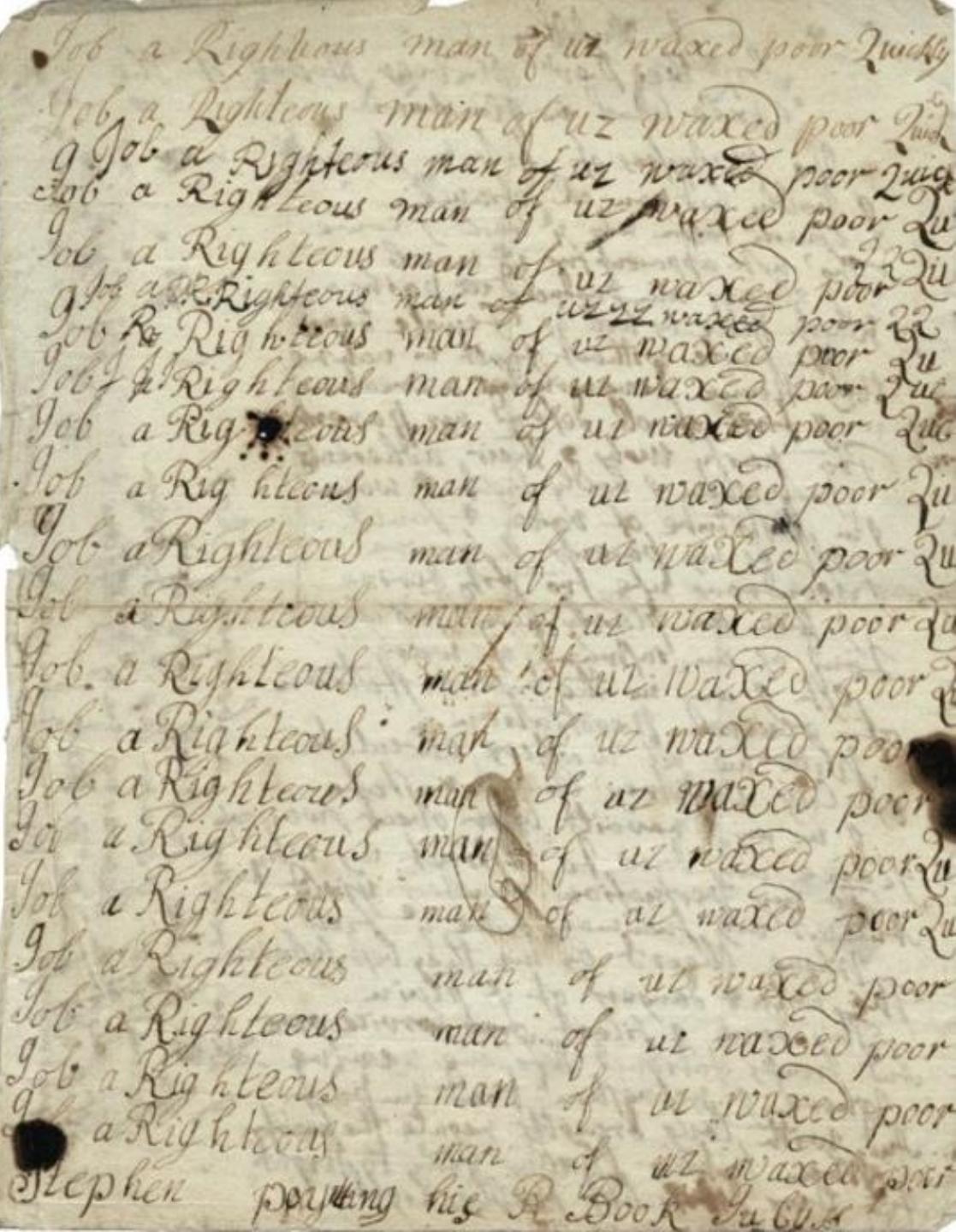
Depositions, Hampshire Church Courts, 1631



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

Handwriting practice, undated

Stephen Poynting, 'Job a Righteous Man', handwriting practice, poss. Free School of Gloucester, undated, Folger Shakespeare Library MS. X. d. 243, from Heather Wolfe, 'Learning to write the alphabet', The Collation, Folger Shakespeare Library, May 13, 2013, <https://collation.folger.edu/2013/05/learning-to-write-the-alphabet/>

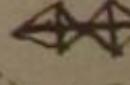


Signoffs, English High Court of Admiralty depositions

Signoffs, English

A
Pobello.

the marks of
a man Shawntson.

Brauned, Apsony said further
he doth  want
of marks.

The marks of
Job Jorym.

High Court of Admiral
Signature is to
Matthew M~~A~~^K
Solon
No bond or plan
WALTER J. FRANCIS
is bound - the sum of
Dhs: 400 Bales:
van / Esmark & Esfay
sitions Rizans D Wintlo.

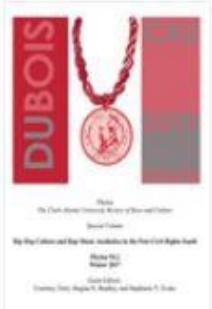
ty depositions

John & Edward Cuff
Signature of Edward Cuff
John & George Cuff
Signature of John Cuff
George Cuff
Signature of George Cuff

John
O C
William
S.
Sam.
John

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!](#)

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)

Learning to Read and Write in Colonial America



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](#)

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

Mark Ponte

ADD SLIDES

Mark Ponte

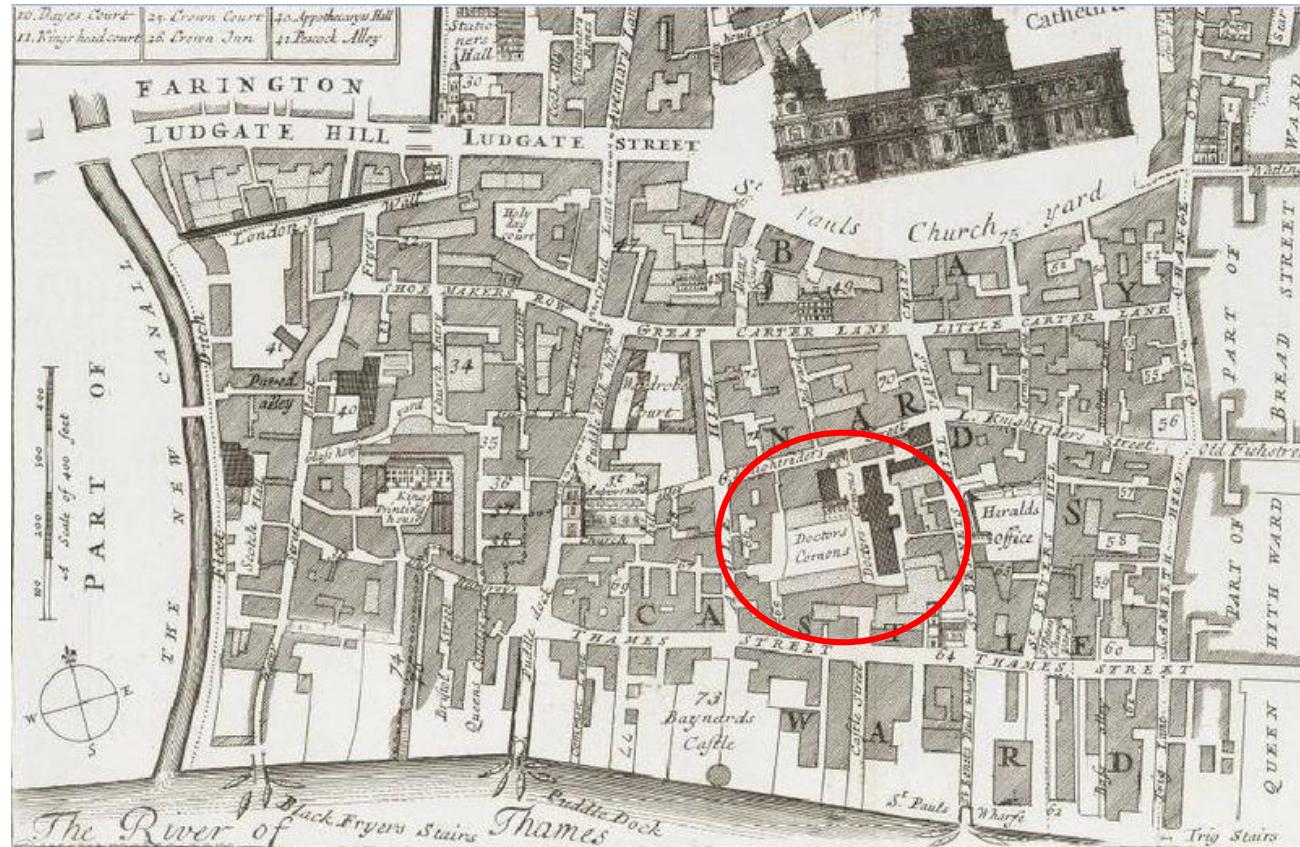
**Literacy of C17th mariners &
shore trades: Evidence from
English High Court of Admiralty
Colin Greenstreet**

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
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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
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HCA 13/71 f.14r Annotate	Uploaded image; transcribed on 03/02/2013
HCA 13/71 f.14v Annotate	Uploaded image; transcribed on 14/04/2013
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HCA 13/71 f.15v Annotate	Uploaded image; transcribed on 03/01/2013
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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

The 21st day of September 1689
Examined upon the affidavit on the Depalfe of
the said Keynes of the Liberty of Enylaw by
Mark G Harrison of Wapping in
the County of Middle Marthor age 60
sover and twenty yeare or there abouts
a poore fowme and spauine depositor and
such as followeth per

Wantage of gol, and according to an old
maide in gal Depalfe, and not otherwise. - ob
opponer
+
Mark Harrison

6th Day of September 1689.

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 13/72 f.180v	Annotate
														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

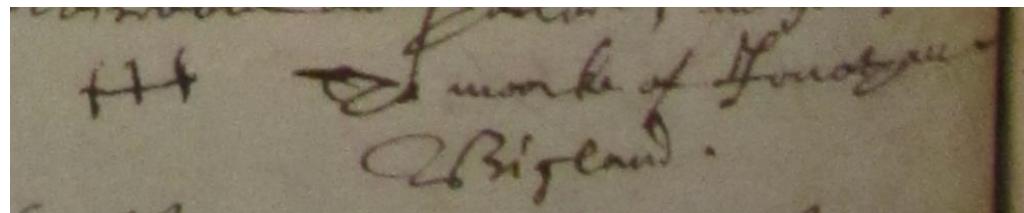
1. ↑ HCA 13/63 f.204v; HCA 13/71 f.135r

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: # 200 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

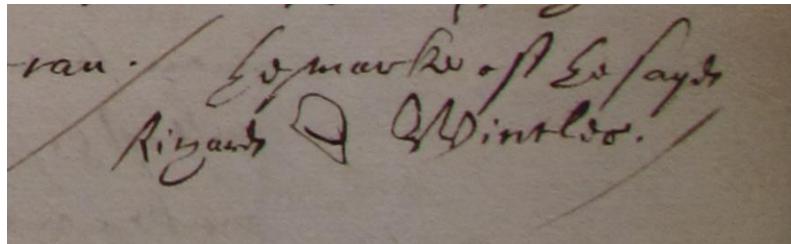
Signature of Esqrs
Edward E. F. Morris

() George Moonwood

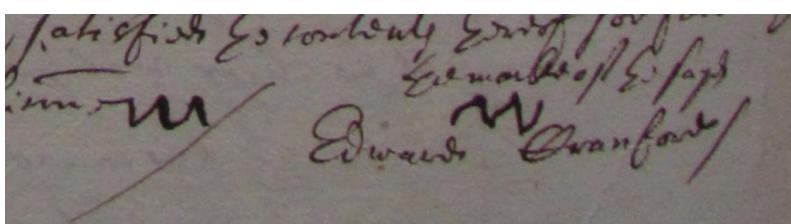
Yor
OC
William
Sam. G.
John

Porters handling coals, whale oil, ginger & corn

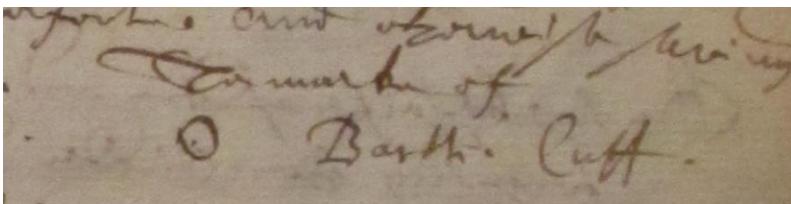
Richard Wincles, thirty-three year old porter, of the parish of Stepney, Middlesex, Dec. 15, 1656; employed as a labourer with fifteen other men to unload coals from the *Imployment* moored near Execution Dock, Wapping, into lighters for fixed rate of 12 s per man ([HCA 13/70 f.554r](#))



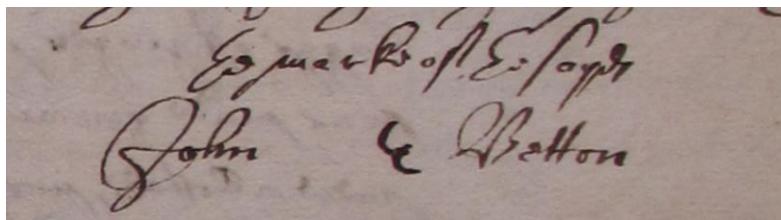
Edward Cranford, forty-four year old coale heaver or porter, of the parish of Stepney, Middlesex, Dec. 15, 1656; employed as a labourer with fifteen other men to unload coals from the *Imployment* moored near Execution Dock, Wapping, into lighters for fixed rate of 12 s per man ([HCA 13/70 f.555v](#))



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](#))



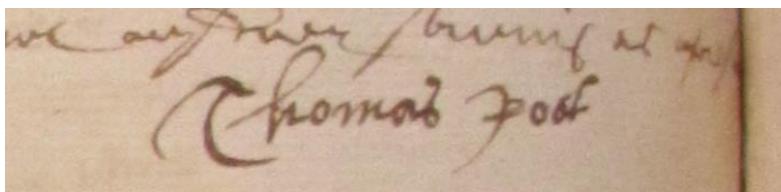
John Betton, fifty-four year old citizen and white baker of London, of the parish of Saint Buttolph Algate, London, Jul. 31, 1655; self-described as a porter employed by the Commissioners for Prize Goods to deliver ginger from a warehouse at Ralphes Key ([HCA 13/70 f.449r](#))



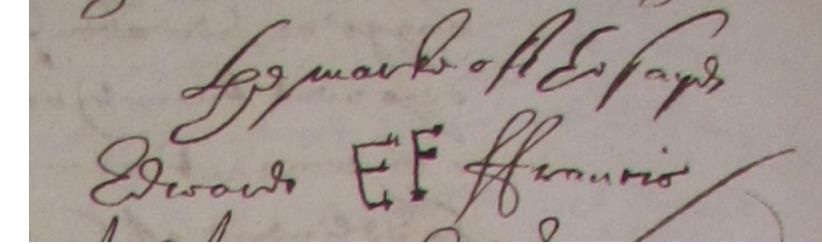
Edward Sherwin, fifty-six year old cittien and leatherseller, of the parish of Little Allhallowes, London, Jul. 31, 1655; self-described as a porter employed by the Commissioners for Prize Goods to deliver ginger from a warehouse at Ralphes Key ([HCA 13/70 f.449v](#))



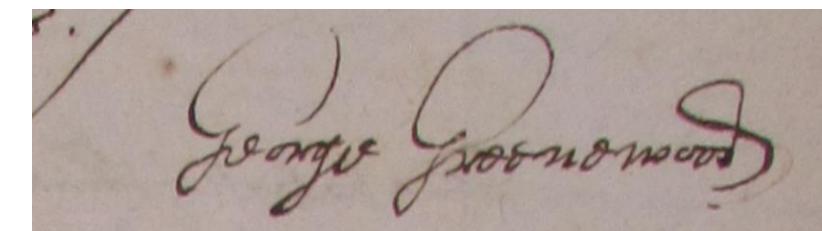
Thomas Roots, twenty-nine year old porter, of the parish of Greate Allhallowes, London, May 15, 1658; assisted in the landing of whale oil from lighters at the Stillyard Key, as one of the Stillyard porters, and loading them away into a warehouse ([HCA 13/72 f.330v](#))



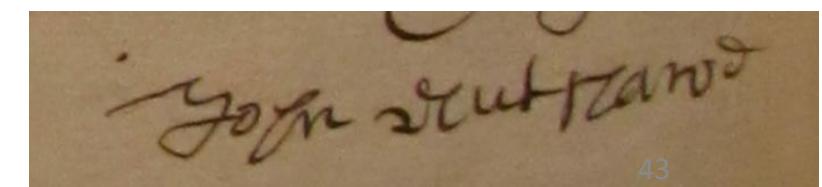
Edward ffrancis, citizen and merchantaylor of London, of the parish of Saint Olave in Southwarke, Jul. 31, 1655; self-described as a porter employed by the Commissioners for Prize Goods to deliver ginger from a warehouse at Ralphes Key ([HCA 13/70 f.450v](#))



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](#))

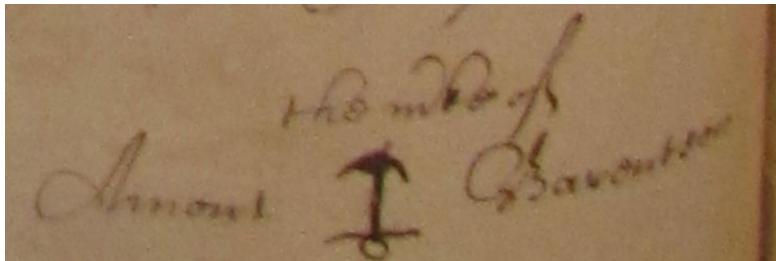


John Nutshall, fifty-five year old corne porter, of the parish of Saint Saviours Southwarke, Nov. 19, 1653; employed with a barber chyrurgeon/corne meter, an additional corne-meter, and other labourers to unlade a cargo of what in the *ffortune* of Stettin, moored against Limehouse; eight years of experience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

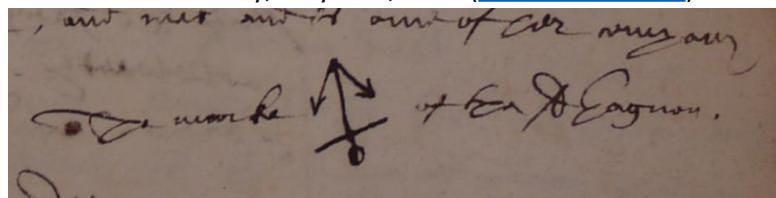


Anchors

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](#))



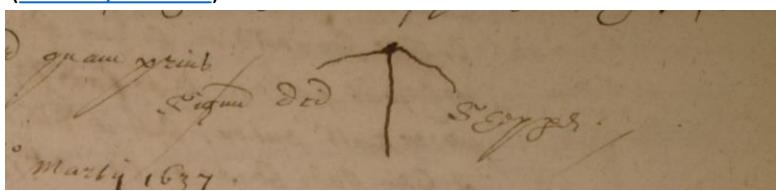
Claude de Gagnon, twenty-five year old mariner, of Melon, near Brest in Britanny, May 22nd, 1656 ([HCA 13/71 f.225r](#))



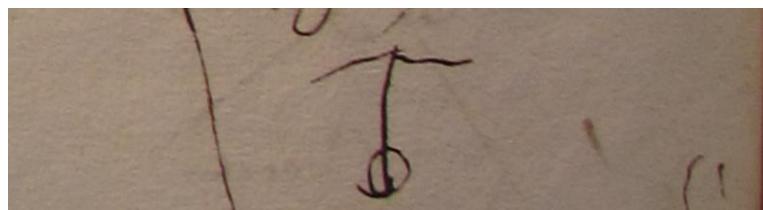
John Tylor, forty-two year old shipwright, of Lower Shadwell, in the parish of Stepney, Middlesex, February 14th, 1659 ([HCA 13/73 f.36r](#))



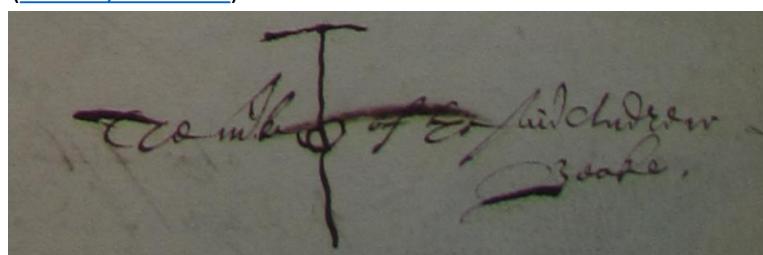
Richard Shepperd, fifty-eight year old cooke, of Brixton, Devon, March 29th, 1637; self-described cooke of the *Hope of Ipswich* ([HCA 13/53 f.87r](#))



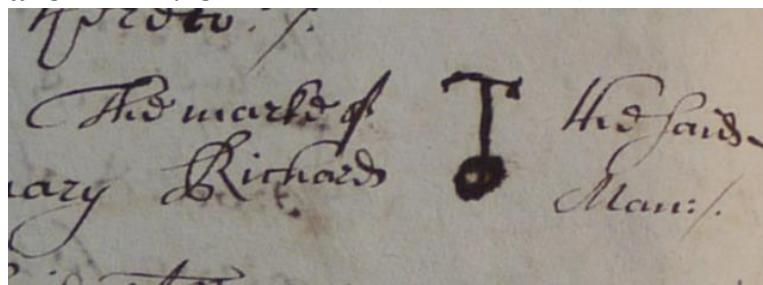
Andrew Beake, thirty-six year old lookeinglassemaker and formerly seaman, of Rose alley without Bishopsgate, London, January 21st, 1655 ([HCA 13/70 f.252v](#))



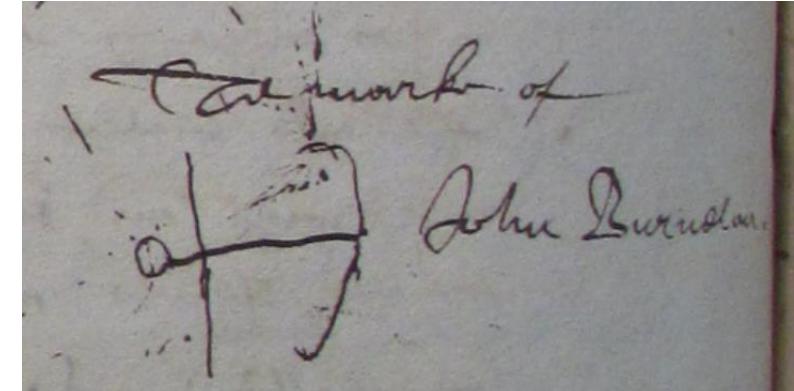
Andrew Beake, thirty-six year old looking-glasse maker, of Rose-Alley in Bishopsgate streete, London, February 13th, 1655 ([HCA 13/70 f.252v](#))



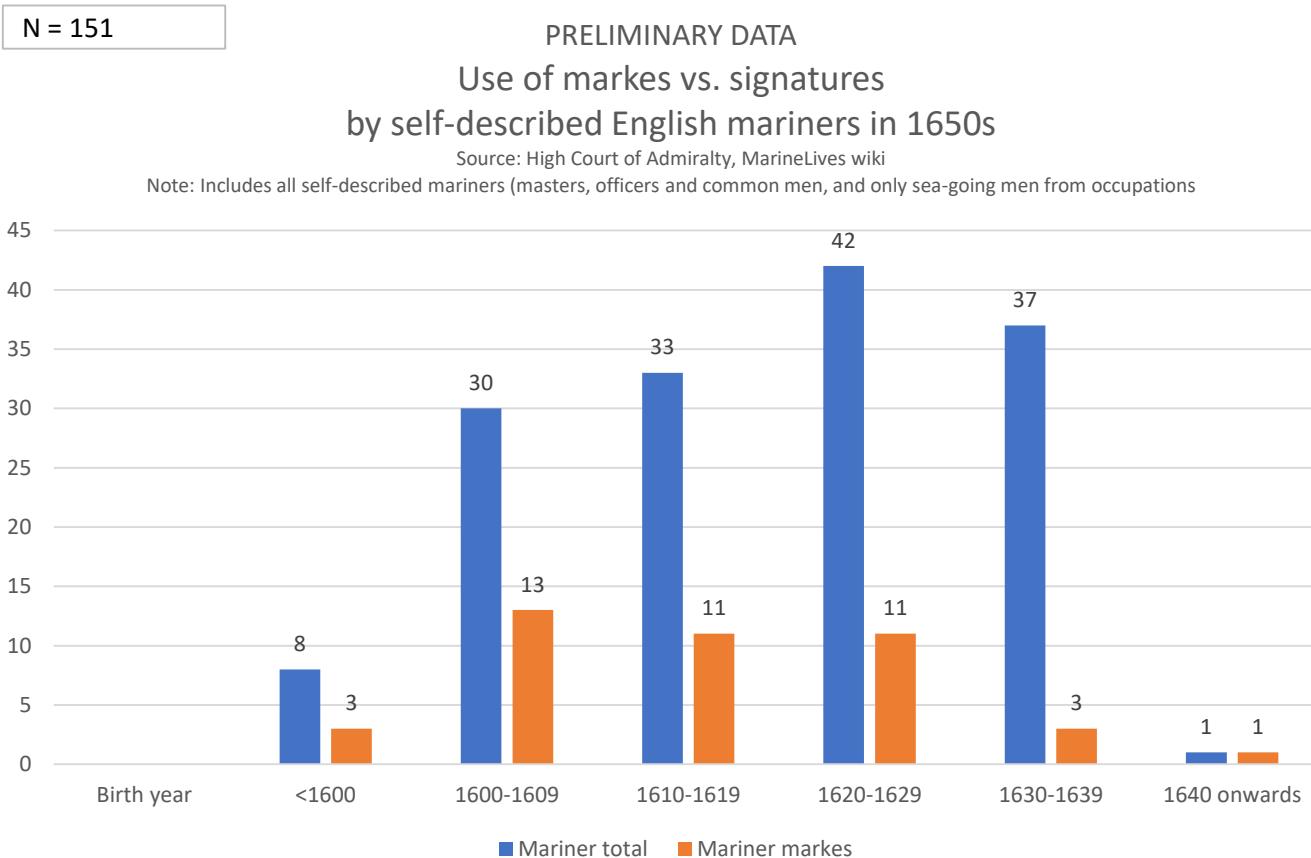
Richard Man, thirty-one year old mariner, of Southampton, January 8th, 1659; self-described common man of the *Lisbone ffrigott* on voyage to Oratava ([HCA 13/73 f.26v](#))



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



Analysis



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	4	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																	
Literacy rate	94%	100%	100%	89%	80%	67%	64%	50%	56%	29%	43%	37%		26%	20%																	
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

Panel
Mark Ponte
Colin Greenstreet
Dr Jelle van Lottum

ADD TALKING POINT SLIDE

Colin

Discussion

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

All

ADD TALKING POINT SLIDE

Colin

The potential of IIIF

Glen Robson

ADD SLIDES

Glen

The potential of Transkribus

Colin Greenstreet

Mark Ponte

Thomas van Maaren

ADD SLIDES

Colin

The potential of Recogito

Dr Rainer Simon

ADD SLIDES

Rainer

Required technologies

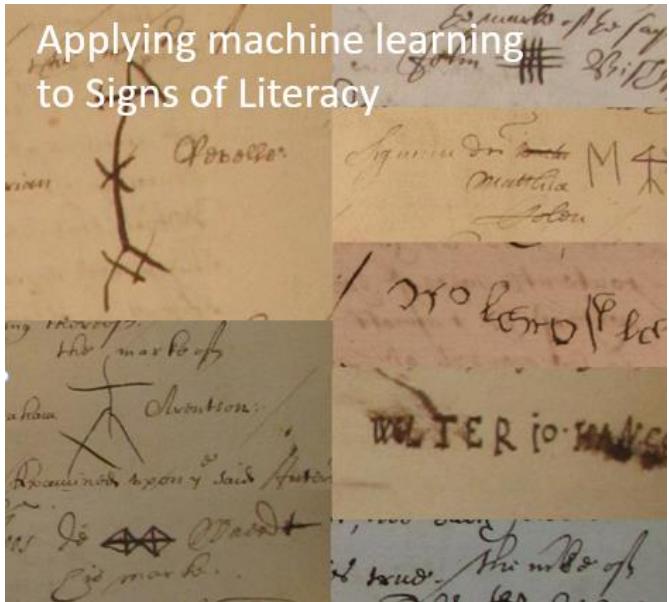
Colin Greenstreet

ADD SLIDES

Colin

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, the text reads: "Signs of Literacy Kaggle Research Competition, 2018" and "Colin Greenstreet on LinkedIn April 30, 2018".

Turing five day data study group

Turing proposal

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.

Kaggle research competition

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

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



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.

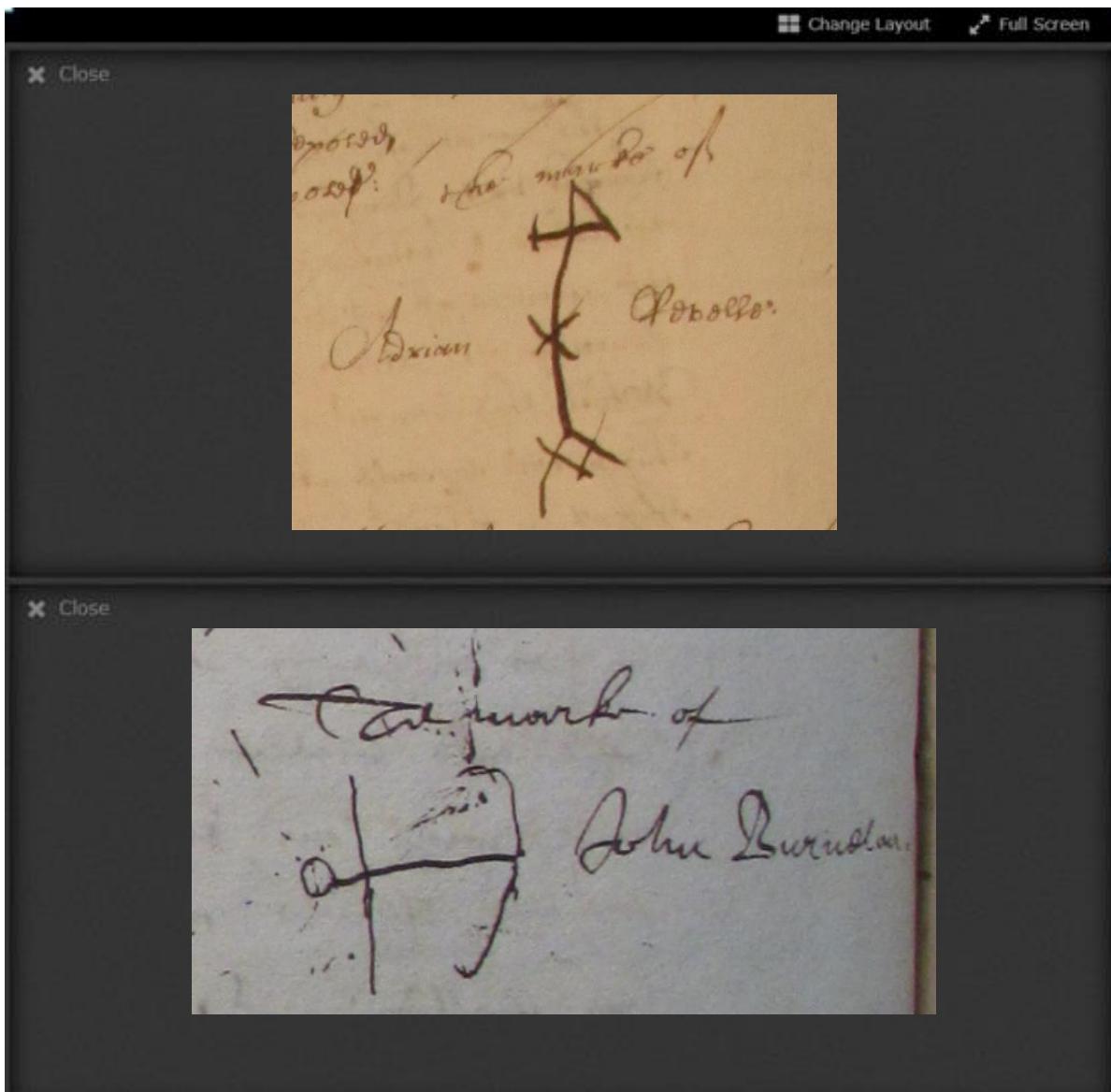
The Proof of Concept will contain two parts:

- (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.

Conjoint analysis IIIF viewer plugin

David Rumsey Map Collection - MapTab
offered by Jack Reed
★★★★★ (7) Photos | 794 users
OVERVIEW REVIEWS SUPPORT RELATED
7:44 AM
Tuesday, September 29, 2015
Shawnee Town Seminole Agency
North Pole
Norman
Walter
etc.
Runs Offline
Compatible with your device
A tab extension for viewing the current date and time with a random map from the David Rumsey Map Collection
Report Abuse
Additional Information
Version: 0.4.1
Updated: February 8, 2017
Size: 1.5MB
Language: English
Developer
Privacy Policy
RELATED
National Gallery of Art Collection Highlights
Self-Portrait Flower Be... Farmhou... La Mous... The Feast Marches... Laocoon Marchesa...
Self-Portrait Dedicated to Paul Gauguin
1 2 3 4 5 6



Adrian Revele,
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)

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

BACKUP