

# 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

<b>13.00 – 14.00</b>	<b>SESSION ONE: Introduction &amp; Mariner literacy</b>
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]
<b>14.00 – 14.09</b>	<b>BREAK</b>
<b>14.10 – 15.50</b>	<b>SESSION TWO: Technology themes &amp; discussion</b>
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]
<b>15.50 – 15.59</b>	<b>BREAK</b>
<b>16.00 – 17.00</b>	<b>SESSION THREE: Pattern recognition &amp; machine learning applied to marks, initials &amp; signatures at scale</b>
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  
All**

# Shared use case across IIF, Transkribus & Recogito

Deposition of Mark Harrison; mariner and master; resident in Wapping, Middlesex; age 27;  
Dated September 21<sup>st</sup> 1659 (TNA, HCA 13/68, ff. 1r-3r)



## IIF

- \* How the five pages would look like as a IIF manifest
- \* What sort of annotations can be performed, especially on the Metadata on f.1r and on the signoff on f.3r

Glen, I'm not sure whether this is doable with screen shots and/or demo, or you could just talk to this?

## Transkribus

I am preparing screen shots/slides based in the following three things:

- \* Ingesting the five pages into Transkribus
- \* Showing the automatic document layout recognition
- \* Run automatic transcription to show results (using various HTR engines)

It would be great if Mark Ponte of Thomas van Maaren could ingest the five pages into the Vele Handen/Picturae software, which the Alle Amsterdamse Akten project is using, so that we can as a workshop get a sense of the look and feel of the software and the functionality

It would also be great if Mark Ponte or Thomas van Maaren could show us with some screen shots how the new Picturae/Vele Handen interface is going to look like with Transkribus, again using these five pages as the use case

## Recogito

- \* How the five pages would look like in Recogito
- \* How the five pages would look like using Recogito annotation functionality for geoplaces and for other types of annotation, especially annotation of the Metadata (which contains name, place, date..) and display and discovery on map
- \* How IIF and Recogito are currently linked (and what that means in practice for these five pages) and possible future developments

[http://www.marinelives.org/wiki/HCA\\_13/68\\_f.1r\\_Annotate](http://www.marinelives.org/wiki/HCA_13/68_f.1r_Annotate); [http://www.marinelives.org/wiki/HCA\\_13/68\\_f.1v\\_Annotate](http://www.marinelives.org/wiki/HCA_13/68_f.1v_Annotate); [http://www.marinelives.org/wiki/HCA\\_13/68\\_f.2r\\_Annotate](http://www.marinelives.org/wiki/HCA_13/68_f.2r_Annotate) ;  
[http://www.marinelives.org/wiki/HCA\\_13/68\\_f.2v\\_Annotate](http://www.marinelives.org/wiki/HCA_13/68_f.2v_Annotate); [http://www.marinelives.org/wiki/HCA\\_13/68\\_f.3r\\_Annotate](http://www.marinelives.org/wiki/HCA_13/68_f.3r_Annotate)

**ADD TALKING POINTS SLIDE**  
**Colin**

SESSION TWO: Technology themes & discussion

## **Part Two: The potential of IIF**

**Glen Robson**

**There is a better way...**



**ADD SLIDES**  
Glen

# IIID thought starters

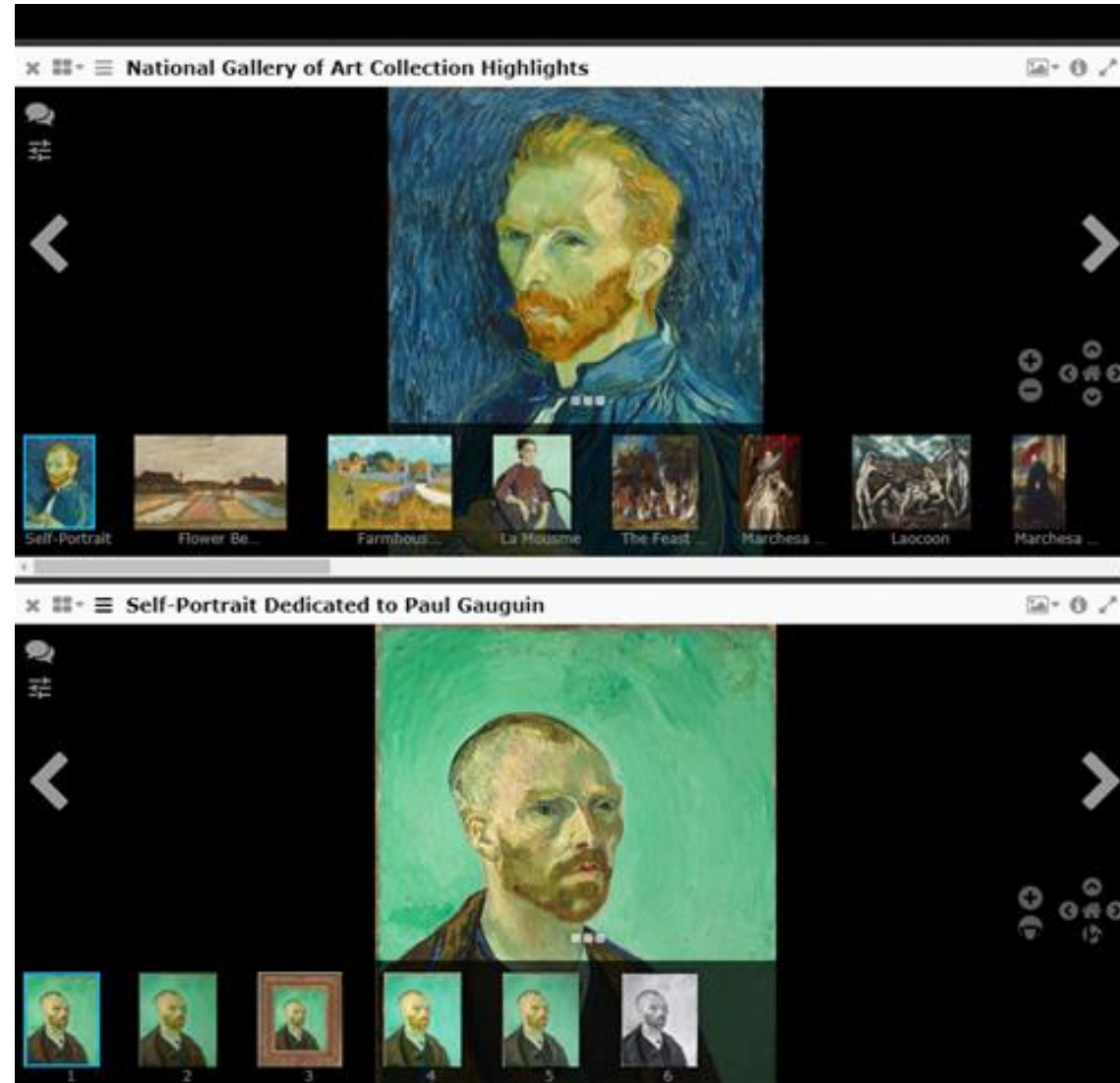
For discussion

Colin

**There is a better way...**

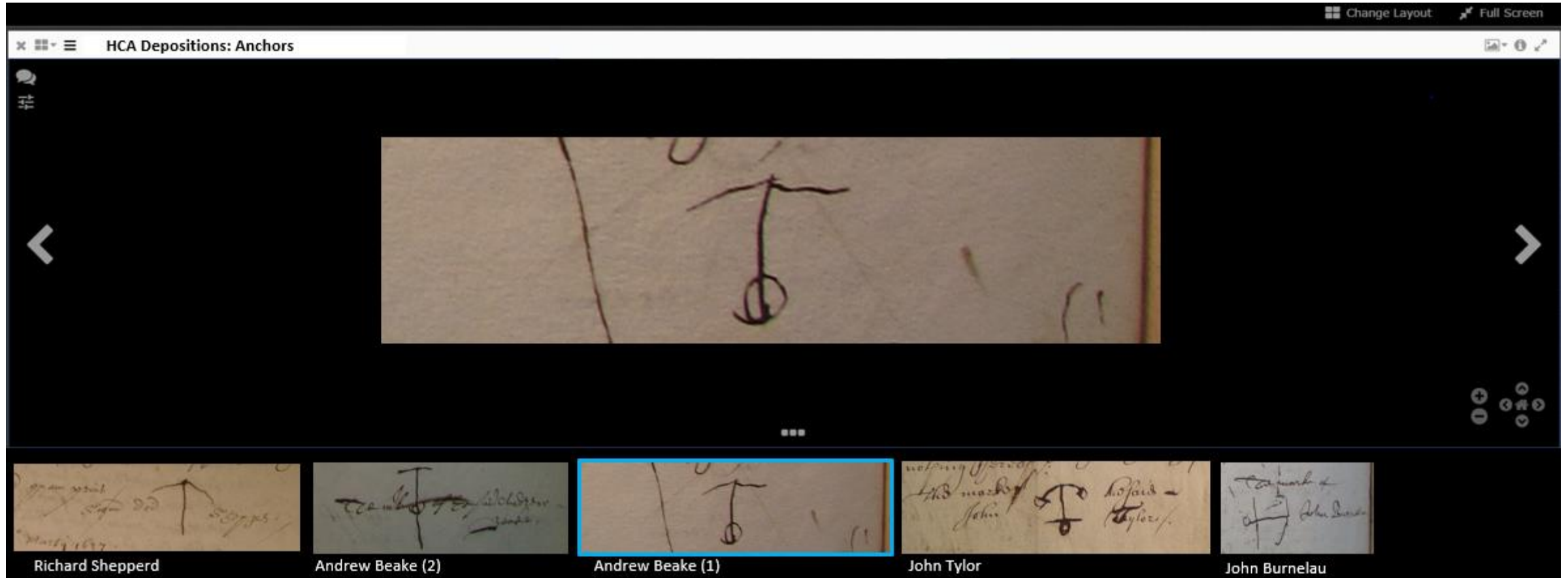


# Images from two different IIF sources & two different manifests



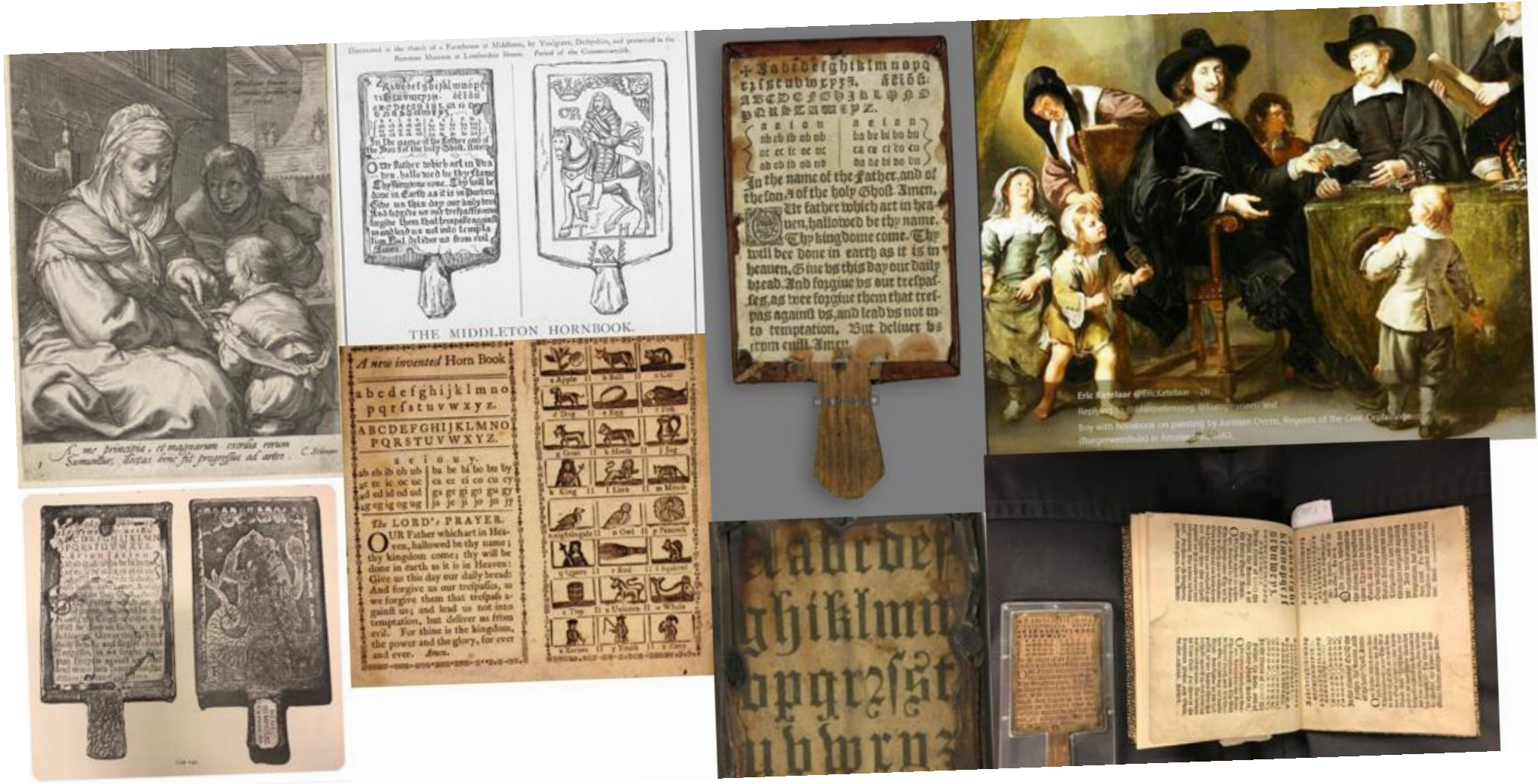


# HCA anchors IIIF manifest in Mirador viewer



Mockup of a IIIF manifest in Mirador viewer, using <http://projectmirador.org/demo/> ;  
[http://www.marinelives.org/wiki/HCA\\_13/70\\_f.252v\\_Annotate](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](#)

LIBRARY OF CONGRESS

All Formats

hornbook

Library of Congress > Search

Results: 1-25 of 34 | Refined by: Online Format: Image

Refine your results

Available Online

34

All Items

35

Original Format

Book/Printed Material

14

Periodical

11

Newspaper

4

Film, Video

2

Web Page

2

Manuscript/Mixed Material

1

Online Format

Image

24

PDF

19

Online Text

7

EPUB

2

Video

2

Web Page

2

Date

2000 to 2099

4

1900 to 1999

19

1800 to 1899

12

1700 to 1799

2

1600 to 1699

1

1500 to 1599

1

Location

United States

7

New York


3

California


3

Washington D.C.


2



**BOOK/PRINTED MATERIAL**  
**[English hornbook]**  
[Hornbook] | 18th century hornbook, ivory and silver | Eighteenth century hornbook, ivory and silver  
Title supplied by cataloger. A late eighteenth-century English hornbook with the alphabet in upper and lowercases (each sequence followed by ligatures æ and œ) and numerals 1 through 0. LC copy housed in a lined case (25 x 18 x 4 cm.) which has spine title: 18th century hornbook, ivory and silver. Also available in digital form on the Library of Congress Web site....  
**Date:** 18??  
**Resource:**  
[View 2 Pages](#)



**MANUSCRIPT/MIXED MATERIAL**  
**[Ivory hornbook]**  
Hornbook | Ivory hornbook, eighteenth century, English | Ivory hornbook, 18th century, English  
Title from spine of case. An eighteenth-century English hornbook with the alphabet in upper (recto) and lowercases (verso) inscribed on ivory. Repairs made to broken handle. Housed in a lined case (16 x 11 cm.) Also available in digital form on the Library of Congress Web site. Gift of Leonard Kebler, 1959.  
**Date:** 17??



**BOOK/PRINTED MATERIAL**  
**[Wood hornbook]**  
Hornbook | Wood hornbook, eighteenth century, possibly American | Wood hornbook, 18th century, possibly American  
Title supplied by cataloger. An eighteenth-century hornbook, possibly American, with alphabet in lower and uppercases, followed by vowels, ligatures, and the Lord's prayer. Paper text covered with translucent horn tacked to the face. Two-line abacus with 12 beads in cutout at top. Carved indentions on verso. Housed in cardboard case (31 x 20 cm.). Also available in digital form on the Library of Congress...  
**Contributor:** Juvenile Collection (Library of Congress)  
**Date:** 18??

Folger SHAKESPEARE LIBRARY

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hornbook

COLLECTIONS

EXPLORE

CREATE

SHARE

EMBED

PRINT

HELP

REFINE

WHAT

Aabc [...] (3)

WHERE

STC 21.7 (2)

STC 13813.6 (1)


WHEN

[1630] (2)


[1625] (1)

Search Results: All Fields similar to 'Hornbook'


1-3 of 3



**Aabc [...]**  
[1625]  
STC 13813.6



**Aabc [...]**  
[1630]  
STC 21.7  
Front



**Aabc [...]**  
[1630]  
STC 21.7  
back

1-3 of 3

SESSION TWO: Technology themes & discussion

## **Part Three: The potential of Transkribus**

**Colin Greenstreet**

**Mark Ponte**

**Thomas van Maaren**



# Talking points

- Ingesting manuscript images
  - YYYY
- Document area analysis
  - YYYY

Deposition of Mark Harrison; mariner and master; resident in Wapping, Middlesex; age 27;  
Dated September 21<sup>st</sup> 1659 (TNA, HCA 13/68, ff. 1r-3r)



# 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

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# **ADD SLIDES**

**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**

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

SESSION TWO: Technology themes & discussion

## **Part Four: The potential of Recogito**

**Dr Rainer Simon**





# Talking points

- Ingesting manuscript images
  - YYYY
- Annotating manuscript images
  - YYYY

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**ADD SLIDES**

**Rainer**