

Life of Paper
Quire Structures and
Watermarks in 17th-Century
Icelandic Manuscripts

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Overview

- *Life of Paper*
- Árni Magnússon, manuscript collector
- Handrit.is and WZIS
- VCEditor



Life of Paper

<https://papertrailsiceland.wixsite.com/papertrails/li-fe-of-paper>

- Paper production (watermarks, infrared spectroscopy)
- Paper use (case studies Bishop Brynjólfur Sveinsson, Hannes Gunnlaugsson)
- Paper reuse (bindings, Árni Magnússon's apographs)



STOFNUN ÁRNA MAGNÚSSONAR
í íslenskum fræðum



- **Make information available online**

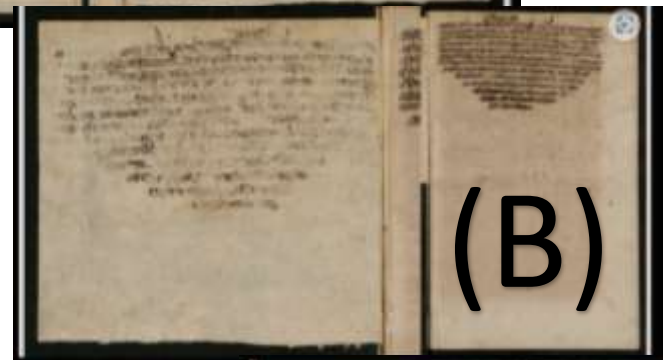
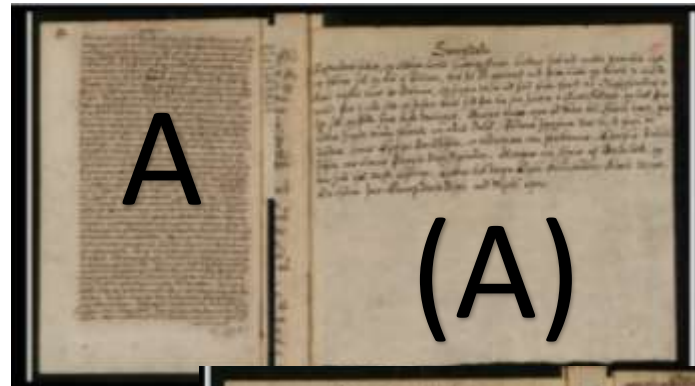
Icelandic manuscripts

- C. 20,000 extant manuscripts, 750 medieval/parchment, c. 19,000 paper/early modern
- National and University Library of Iceland, Reykjavík
- Arnamagnæan Manuscript Collection:
The Arnamagnæan Institute, Copenhagen
The Árni Magnússon Institute for Icelandic Studies,
Reykjavík



Árni Magnússon (1663-1730)

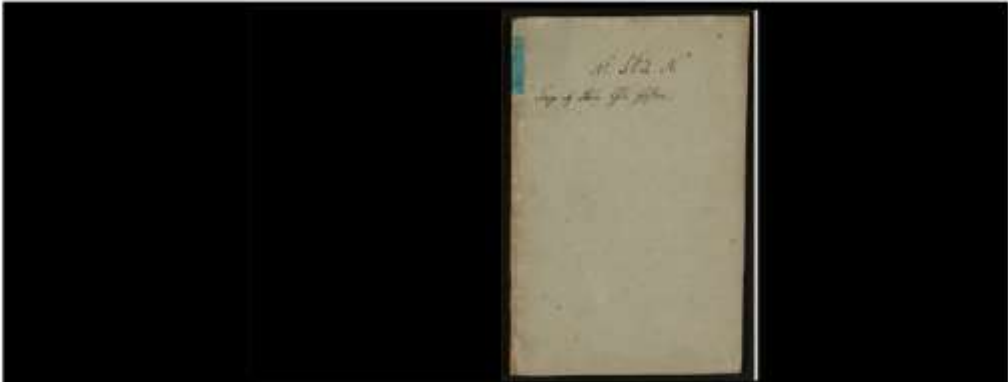
- collected manuscripts, charters, printed material
- c. 3,000 mss, 1,500 charters, 15,000 apographs
- copied texts, organised and restructured mss



www.handrit.is

Heim Handritasöfn Vefra Ítarleitt Um handrit.is IS EN DA

Skjal Efni skjals



Beirir tenglar

AM 163 n fol.

Kjalnesinga saga og Jökuls þáttur; Ísland, 1650-1700

Tungumál textans Íslenska

Innihald

(1v-16r) **Kjalnesinga saga**

Lýsigögn

Land
Ísland

Staður
Reykjavík

Stofnun
Stofnun Árna Magnússonar í
íslenskum fræðum

Vörsludeild
Handritasvið

Safn
Safn Árna Magnússonar

Safnmark
AM 163 n fol.

Efnisorð
[Íslendingasögur](#)
[Íslendingaþættir](#)

Fleiri myndir
[Litasgjald](#)

XML
[Ógna XML færslu](#)

PDF í einni heild

[Úppöversingar](#)

Áthugasemdir
[Gera áthugasemdir við handrit](#)



www.handrit.is and WZIS

AM 123 fol.

Laxdæla saga ; Ísland, 1664

Innihald

1 (1r-47r)	Laxdæla saga
Titill í handriti	„Hier Byrialt su Saga er Laxdæla er köllud“
Efuvort	Íslendingasögur
2 (47v-81v)	Eyrbyggja saga
Titill í handriti	„Hier Byrialt su Saga er Eyrbyggja hejter“
Efuvort	Íslendingasögur
3 (81v)	Kjalnesinga saga
Athugasamt	Einungis upphaf í 7 línun, blað limt yfir. Varðveitt í AM 163 h fol.
Efuvort	Íslendingasögur

Lýsing á handriti

Blaðefni	<p>Pappír með vatnsmerkjum.</p> <ul style="list-style-type: none">Aðalmerki 1: stórt skjaldarmerki, skipt niður í fjóra hluta með fjaðraskúf fyrir ofan (IS5000-02-0123_1), bl. 1-4, 13, 16, 19-20, 22, 29, 31-32, 39-41, 49, 54-55, 57, 62-63, 78-79. Stærð: 128 x 77 mm, fjarlægð á milli vatnslína á báðum megin vatnsmerkisins: 48 mm.Aðalmerki 1 (par) (IS5000-02-0123_10v), bl. 10, 15, 18, 26, 38, 44-45, 48, 51, 59, 65-68, 70, 74-75. Stærð: 129 x 77 mm, fjarlægð á milli vatnslína á báðum megin vatnsmerkisins: 48 mm. <p>Ekkert mótmerki.</p>
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- Reykjavík
- Reykjavík, The Árni Magnússon Institute for Icelandic Studies
- [AM 123 fol <Permalink>](#)



Referenznummer [IS5000-02-0123_1 <Permalink>](#)
Motivgruppe [In Bearbeitung - SH_Island](#)
Quelle [Island, Reykjavík, The Árni Magnússon Institute for Icelandic Studies, Reykjavík, AM 123 fol Bl. 1 1664](#)
Abmessungen [||| 48 mm, Breite 77 mm, Höhe 128 mm](#)



- [Detailansicht](#)
- [Motivgruppe](#)



Referenznummer [IS5000-02-0123_10v <Permalink>](#)
Motivgruppe [In Bearbeitung - SH_Island](#)
Quelle [Island, Reykjavík, The Árni Magnússon Institute for Icelandic Studies, Reykjavík, AM 123 fol Bl. 10v](#)



www.handrit.is and VCEditor

Kveraskipan

15 kver:

- I: spjaldblað - fremra saurblað 1 (eitt tvinn + AM seðill, seðill límdur á saurblaði)
- II: bl. 1-4 (2 tvinn: 1+4, 2+3)
- III: bl. 5-8 (2 tvinn: 5+8, 6+7)
- IV: bl. 9-12 (2 tvinn: 9+12, 10+11)
- V: bl. 13-16 (2 tvinn: 13+16, 14+15)
- VI: bl. 17-20 (2 tvinn: 17+20, 18+19)
- VII: bl. 21-24 (2 tvinn: 21+24, 22+23)
- VIII: bl. 25-28 (2 tvinn + eitt blað: 25+28, 26+27, 27bis á milli bl. 26 og 27)
- IX: bl. 29-32 (2 tvinn: 29+32, 30+31)
- X: bl. 33-36 (2 tvinn: 33+36, 34+35)
- XI: bl. 37-40 (2 tvinn: 37+40, 38+39)
- XII: bl. 41-44 (2 tvinn: 41+44, 42+45)
- XIII: bl. 45-48 (2 tvinn: 45+48, 46+47)
- XIV: bl. 49-51 (eitt blað + eitt tvinn: 49, 50+51)
- XV: aftara saurblað 1 - spjaldblað (eitt tvinn)



Quire 8

▼ L28 : repaired bifolium

▼ L28 : WM 2

▼ L29 : repaired bifolium

▼ R : text 2 end

▲ V : blank

▼ L31 : repaired bifolium

▼ L31 : WM 2

▲ V : text 3 beg

▼ L32 : repaired bifolium

L28 25r
25v

L29 26r
26v

L30 27bisr
27bisv

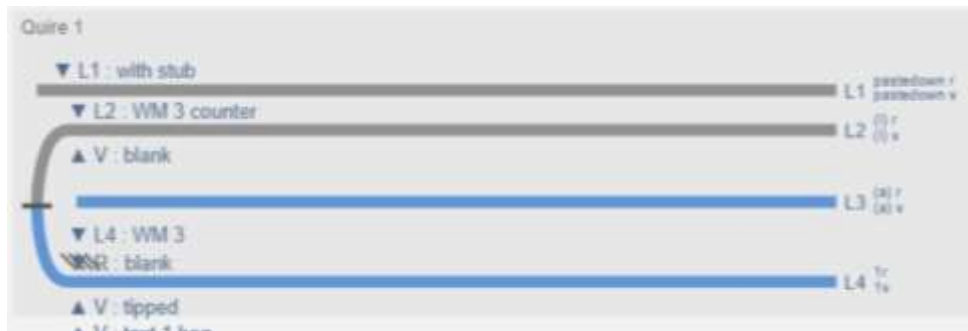
L31 27r
27v

L32 28r
28v



VCEditor

- A tool for building and visualizing the physical structure of manuscripts using the data model provided by [VisColl](#): Modeling and Visualizing the Physical Construction of Codex Manuscripts (co-directed by Alberto Campagnolo and Dot Porter).



Leaf	Page Number	Recto	Page Number	Verso	Page Number
Leaf 1	Paste Number	Paste Number	Page Number	Page Number	
Leaf 2	(i)	Page Number	Page Number	Page Number	
Leaf 3	(a)	Page Number	Page Number	Page Number	
Leaf 4	1	Page Number	Page Number	Page Number	



VCEditor

- Export HTML (gatherings, units, formula, etc.)
- Export collation formula

Formula

```
Type: Formula 1
Format: 1(8, -4, +3)
Formula: 1(4, +3, +4), 2(6), 3(8), 4(3, +1, +2)

Type: Formula 2
Format: 1(8, leaf missing between f.X and f.Y, leaf added after f.X)
Formula: 1(4, leaf added after fol. (I) , leaf added after fol. (a) ), 2(6), 3(8), 4(3, first
```



VCEditor

- Export diagrams (SVG, PNG) but without additional information



VCEditor

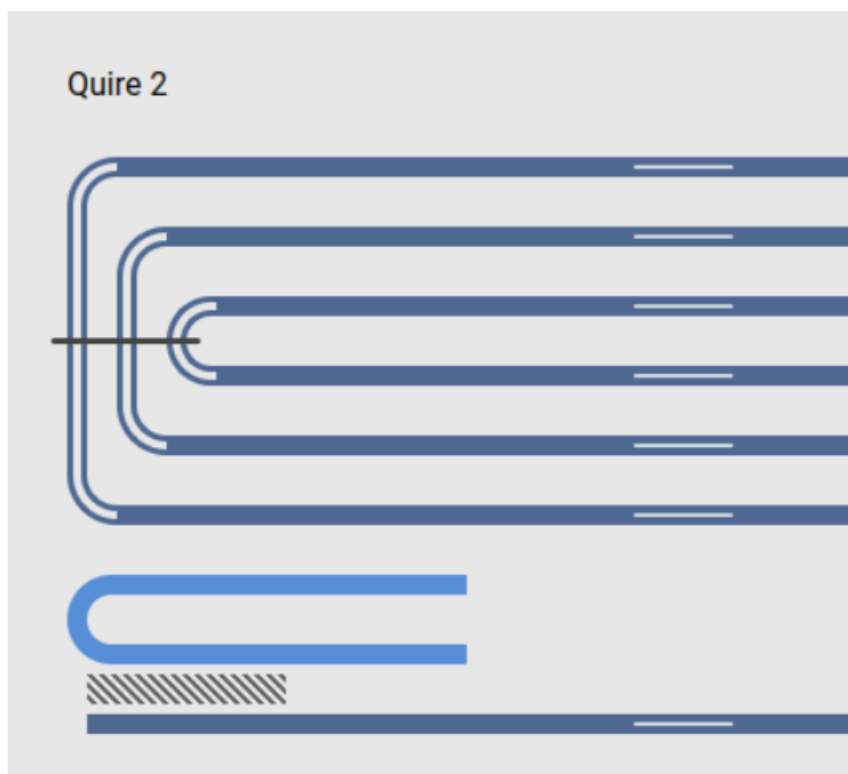
- Export collation data (JSON, VisColl XML)

```
- <viscoll version="2.1.0" xmlns="http://viscoll.org/schema/collation/">
- <textblock>
  <title>AM 163 n fol.</title>
  <shelfmark>AM 163 n fol.</shelfmark>
  <date>s. xvii 2/2</date>
  <direction val="l-r"/>
  <quires>
    <quire certainty="1" n="1" xml:id="Group_0001e68bbf16745598289121"/>
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    <quire certainty="1" n="3" xml:id="Group_0001e68bbf16745598289123"/>
    <quire certainty="1" n="4" xml:id="Group_0001e68bbf16745598289125"/>
  </quires>
  <leaves>
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        <single val="yes"/>
      </q>
    </leaf>
    <leaf xml:id="Leaf_0001e68bbf16745598777550">
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      <mode/>
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        <conjoin certainty="1" target="#Leaf_0001e68bbf16745598777552"/>
      </q>
    </leaf>
    <leaf xml:id="Leaf_0001e68bbf16745598777551">
      <folioNumber val="(a)" certainty="1">(a)</folioNumber>
      <mode val="added" certainty="1"/>
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        <single val="yes"/>
      </q>
      <attachment-method certainty="1" target="#Leaf_0001e68bbf16745598777552" type="tipped"/>
    </leaf>
    <leaf xml:id="Leaf_0001e68bbf16745598777552">
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    </leaf>
    <leaf xml:id="Leaf_0001e68bbf16745599307230">
      <folioNumber val="2" certainty="1">2</folioNumber>
```



www.handrit.is and VCEditor

- Tweaked XML with mouse-over functions for additional information



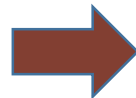
VCEditor

Advantages

- Free and open
- Easy and intuitive
- Unlimited space?
- Flexible

Disadvantages

- Unclear terminology
- Limited space?
- Not flexible enough



- **Tweak handrit.is until it works**
- **Exclude some information**





THANK YOU!