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Adding Linked Open Data to a Digital Humanities Collection in Alma

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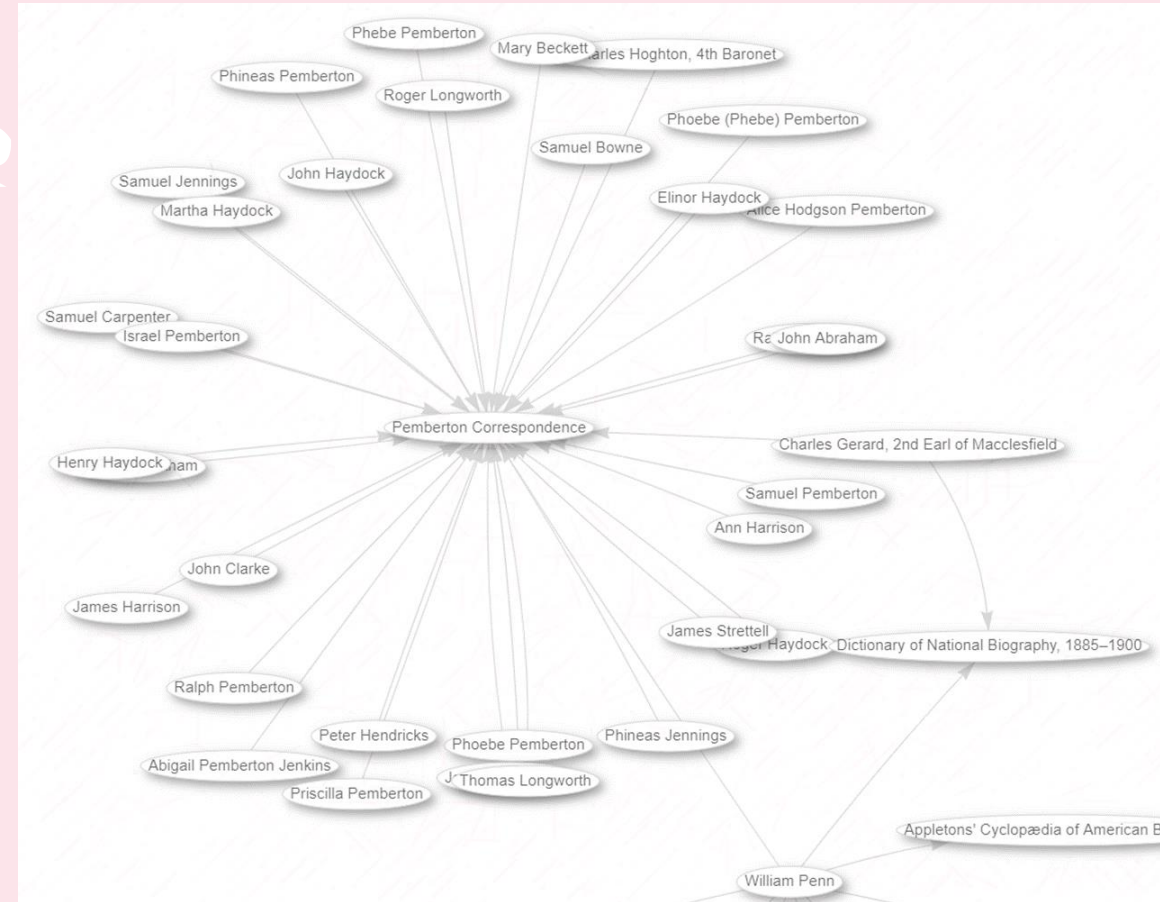
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Adding Linked Open Data to a Digital Humanities Collection in Alma

Sai Deng, Metadata Librarian
Lee Dotson, STARS Administrator
University of Central Florida Libraries



Linked Data

- **Linked Data**

- A recommended best practice for exposing, sharing, and connecting pieces of data, information, and knowledge (structured data) on the semantic web.

- **Wikidata**

- A free, open and multilingual knowledge base; Can be read and edited by humans and machines; Provides a low-barrier platform for library's Linked Open Data.

- **Collaboration with Digital Humanities**

- People, Religion, Information Networks, and Travel (PRINT) Collection

- **Integrating LOD Vocabularies into bibliographic records in Alma and digital collections in the IR (STARS/Digital Commons)**

- Wikidata (people, places...)
- LC name entities, subjects, FAST headings, GeoNames, genre headings etc.

Collaboration with Digital Humanities



What We Do

UCF's **Center for Humanities and Digital Research (CHDR)** is a collaborative research hub in the **College of Arts and Humanities** connecting faculty researchers and graduate research associates with community partners and grant-making institutions through project planning, technical expertise, grant writing, and ultimately dissemination in conjunction with the scholarly and literary journals also housed in the college. The intellectual and technical resources of CAH come to bear in CHDR, where groundbreaking interdisciplinary digital research is fostered and shared through the academy and the surrounding communities of Central Florida and beyond.

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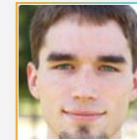
Affiliated Scholars



Rosalind Beiler

[Visit](#)

Sai Deng

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Will Dörner

[Visit](#)

Lee Dotson

[Visit](#)

Marcy Galbreath

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Mark Heinrich

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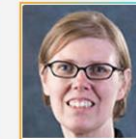
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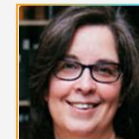
Sarah Norris

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<https://chdr.cah.ucf.edu/>

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Collaboration with Digital Humanities

Featured Research: Dr. Rosalind Beiler



Historians have long studied written correspondence between individuals to gain insight into important moments throughout history. While what was written in these letters often provide important insight, the location where they were sent and received could be just as valuable.

Dr. Rosalind Beiler was recently involved in two projects that examined how correspondence networks among European Quakers, Mennonites and Pietists shaped early modern global migration patterns.

Digitizing the Pemberton Papers

In collaboration with Dr. Beiler, UCF alumna Casey Wolf worked as an intern to digitize two volumes of manuscript letters at the Historical Society of Pennsylvania belong to the Pemberton Family, prominent English Quakers in the late seventeenth and early eighteenth centuries. The letters shed light on the evolution of communication networks in response to persecution and missionary work. Digitizing the correspondence was made possible through a Lapidus Digital Collections fellowship from the Omohundro Institute for American History and Culture to support collaborations between historical repositories and scholars.

Communication Networks and the Dynamics of Migration

Dr. Beiler also was a Visiting Professor at the University of Trier's International Research Training Group "Diversity: Mediating Difference in Transcultural Spaces" from late June to early August. While there, she conducted research in archives at Speyer and Karlsruhe, Germany, for her book and digital project about religious dissenters and the way their communication networks shaped migration flows. She also explored some of the hidden physical spaces her

historical subjects inhabited in the Netherlands, Germany, France and Switzerland.

Photo credit: Elam Stoltzfus

<https://history.cah.ucf.edu/project-gallery/fr-beiler/>

Print Migration Network

- **Building a platform/website that allows for transcriptions**
 - Use STARS for storage
 - Research/publications <https://stars.library.ucf.edu/printmigrationnetwork-publications/>
 - Letters as PDFs <https://stars.library.ucf.edu/printmigrationnetwork-pemberton/>
 - Transcriptions <https://stars.library.ucf.edu/printmigrationnetwork-pemberton-transcriptions/>
- **NHPRC Major Collaborative Archival Initiatives Grant for PRINT**
 - People, Religion, Information Networks, and Travel (PRINT) Collection
 - Build PRINT portal; research and create metadata and LOD for people and places in the 2700 letters; crowdsourcing transcription of letters

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PEMBERTON CORRESPONDENCE

This collection contains files for 464 letters from the Pemberton Papers, a collection of correspondence housed at the Historical Society of Pennsylvania. The project will make digital images of letters available for crowdsourced transcriptions.

Follow

Submissions from 1702

-  [PDF](#) [Abigail Pemberton, Israel Pemberton, March 17, 1702](#)
-  [PDF](#) [Abigail Pemberton, Israel Pemberton, May 10, 1702](#)
-  [PDF](#) [Alice Pemberton, Samuel Carpenter, April 16, 1702](#)
-  [PDF](#) [Alice Hodgson Pemberton, Samuel Carpenter, April 20, 1702](#)
-  [PDF](#) [Alice Hodgson Pemberton, Samuel Carpenter, May 6, 1702](#)
-  [PDF](#) [Alice Hodgson Pemberton, Samuel Carpenter, October 28, 1702](#)
-  [PDF](#) [Israel Pemberton, Phineas Pemberton, January 2, 1702](#)
-  [PDF](#) [Phineas Pemberton, Samuel Carpenter, February 11, 1702](#)
-  [PDF](#) [Phineas Pemberton, Samuel Carpenter, February 26, 1702](#)

Phineas Pemberton, Samuel Carpenter,
February 11, 1702

[Phineas Pemberton](#)

Year

1702

Sender Place

n.p.

Receiver

Samuel Carpenter

Receiver Place

n.p.

Repository holding original letter

Historical Society of Pennsylvania

Full Date

1702-02-11

Document Type

Correspondence

Keywords

Quakers, Pennsylvania, Society of Friends, Social networks

Abstract

Letter dated February 11, 1702 (January 31, 1701 Old Style) from Phineas Pemberton to Samuel Carpenter.

HSP DAMS ID

16185

Language

english

Format

application/pdf

Collection


PRINT Migration Network: Pemberton Correspondence

Type

Image; Text

Transcription

deare [dear] Samuel [Samuel Carpenter]
as to the [3^d d^a] [3rd] about the [p...] I know not that I
thought of it since we settled the acctt [account] I know it depended
upon
my memory chiefly [chiefly] & [and] its [it's] now too late to search papers

 Download

 Download
Transcription

 Download
Hi Res File

65 DOWNLOADS

Since September 18, 2019

 PLUMX METRICS

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Creator (Linked Data)

[Pemberton, Phineas, 1650-1702](#) [LC]

[Phineas Pemberton \(Q94253673\)](#) [Wikidata]

Receiver (Linked data)

[Carpenter, Samuel, 1649-1714](#) [LC]

[Carpenter, Samuel, 1649-1714](#) [VIAF]

[Samuel Carpenter \(Q7411067\)](#) [Wikidata]

Sender Place (Linked data)

[Pennsylvania](#) [GeoNames]

[Pennsylvania](#) [LC]

[Pennsylvania](#) [VIAF]

[Pennsylvania \(Q1400\)](#) [Wikidata]

Organization (Linked data)

[Society of Free Quakers](#) [LC]

[Society of Free Quakers](#) [VIAF]

[Quakers \(Q170208\)](#) [Wikidata]

[Society of Friends](#) [LC]

[Society of friends](#) [VIAF]

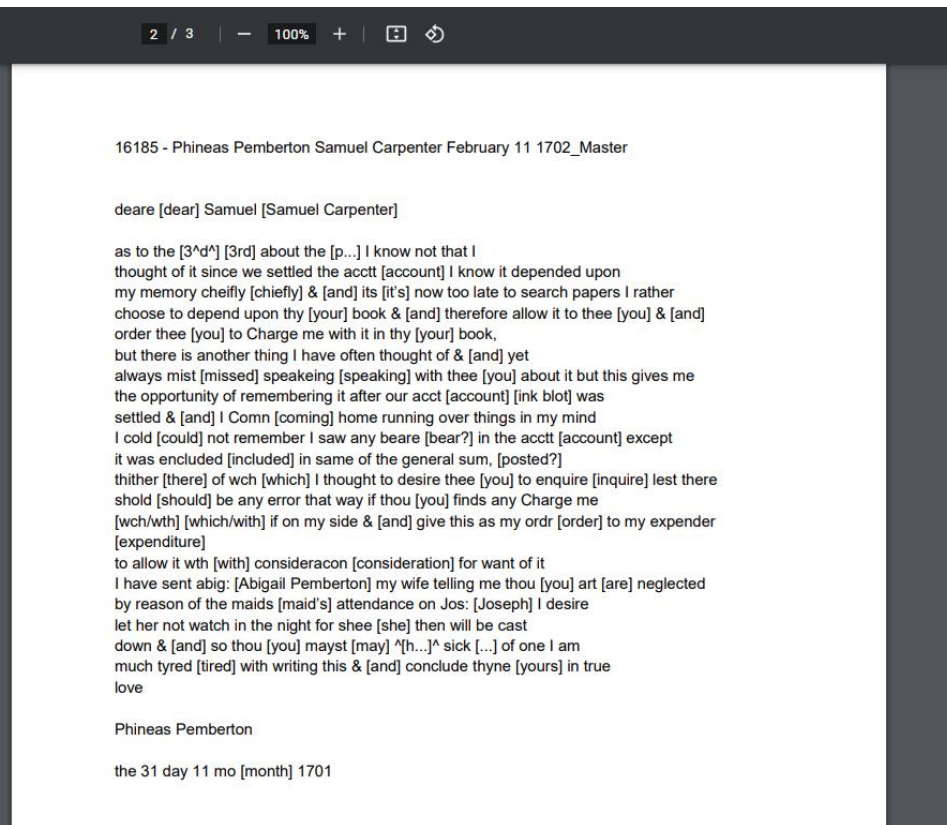
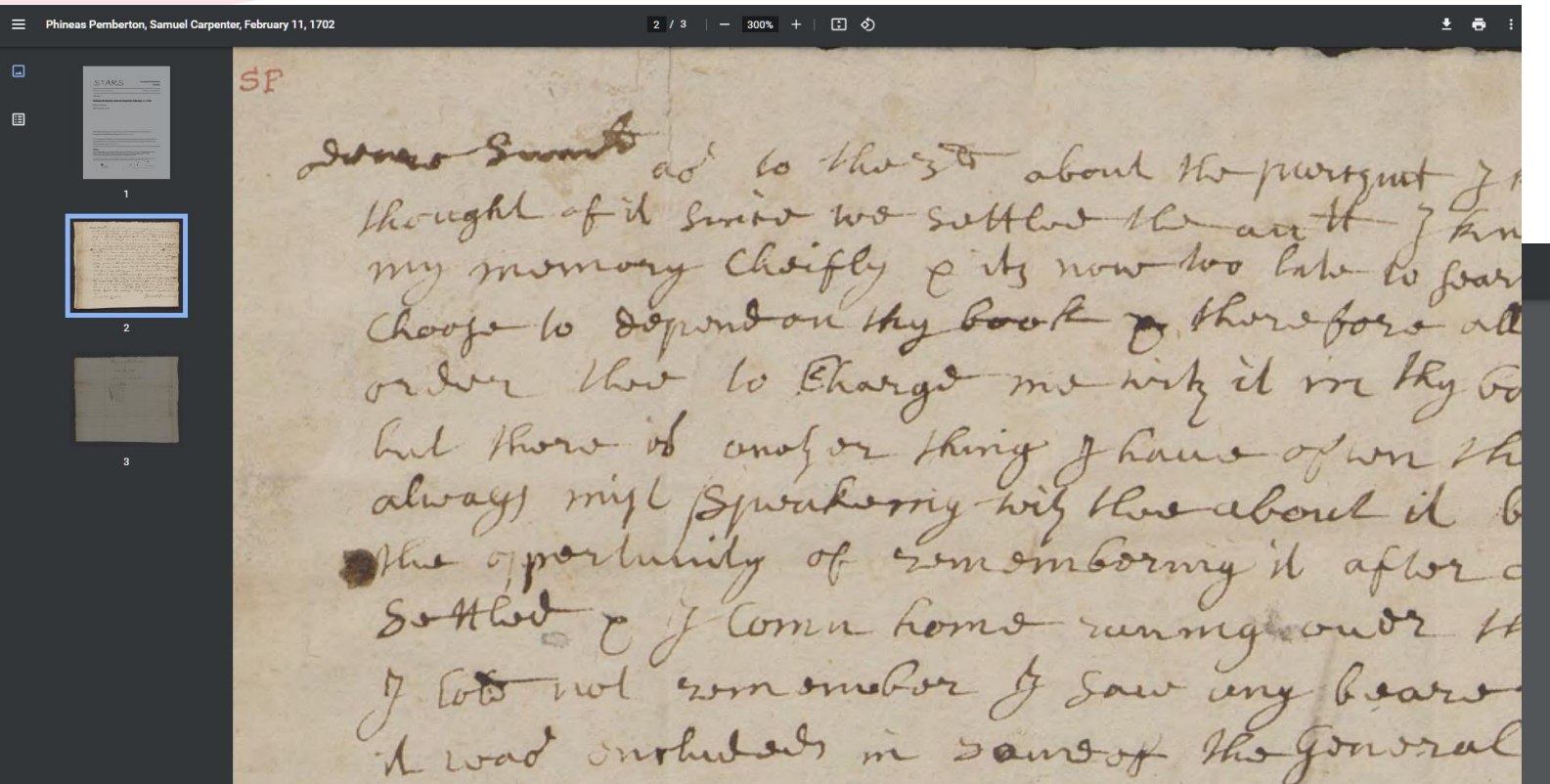
Family (Linked data)

[Pemberton family](#) [LC]

[Pemberton Family \(Q113325696\)](#) [Wikidata]

<https://stars.library.ucf.edu/printmigrationnetwork-pemberton/374/>

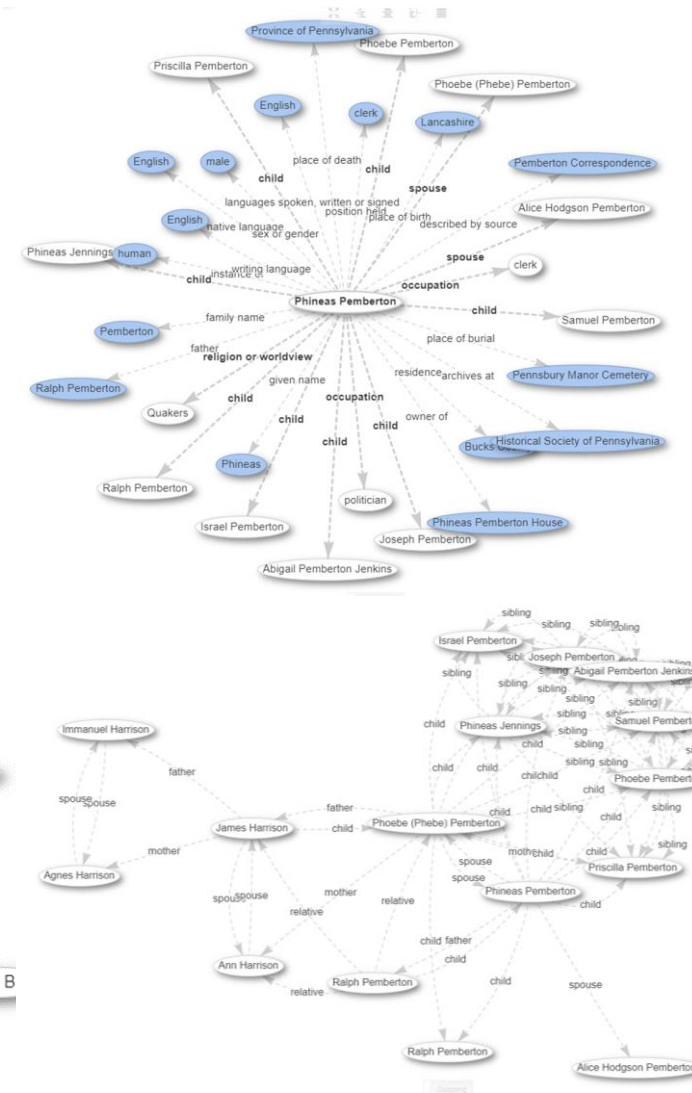
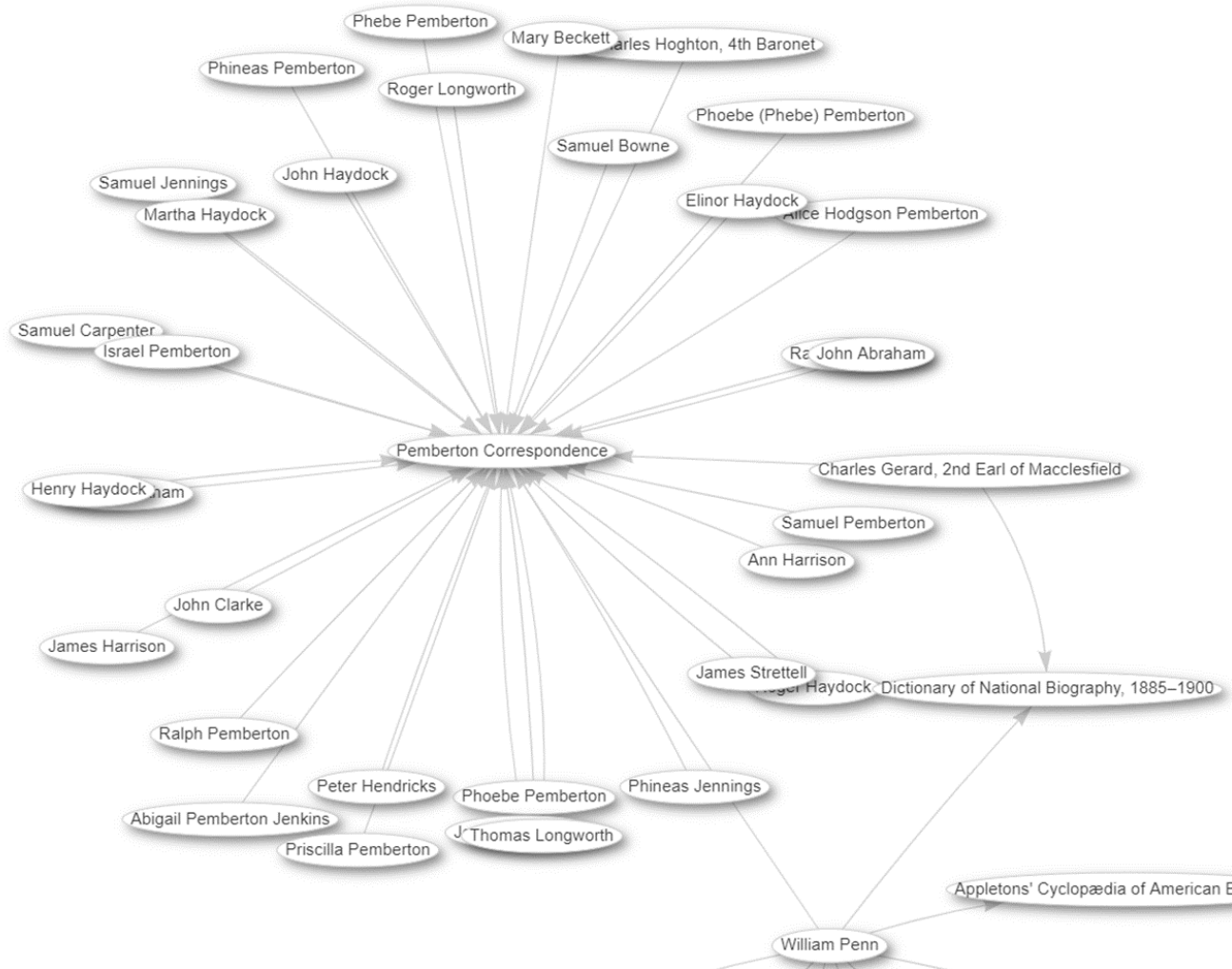
Download Correspondence & Transcription



Creating Entities in Wikidata: People in Pemberton Correspondence Collection

- People in Pemberton Correspondence

- Wikidata example set: <https://w.wiki/4pLt>
- Person model
- Visualizations:
 - Family relationships
 - Maps
 - Timeline



Maps and Timeline




June 12, 1704
January 1, 1635
[William Markham](#)


January 1, 1687
January 1, 1631
[Q Roger Longworth](#)

January ·
January ·
🔍 Phebe


October 6, 1687
January 1, 1628
[Q James Harrison](#)


May 30, 1
February
Q Phoebe

January 1, 1689
January 1, 1623
 Ann Harrison

April 29, 1771
April 23, 1692
 Priscilla Pemberton

July 17, 1697
January 3, 1610
[Ralph Pemberton](#)

October 30, 1696
April 7, 1660
 Phoebe (Phebe) Pemberton

January 1, 1745
January 1, 1667
 Samuel Bowne

Adding Entities to LC Linked Data Service

- Names are contributed to NACO linked data set, e.g.,

- [Pemberton, Ralph 1610-1697](https://id.loc.gov/authorities/names/no2021116598.html)
- [Harrison, Ann, 1623-1689](#)
- [Harrison, James 1628-1687](#)
- [Jenkins, Abigail Pemberton, 1679-1750](#)
- [Pemberton, Alice Hodgson](#)

[Pemberton, Ralph 1610-1697](https://id.loc.gov/authorities/names/no2021116598.html)
- LC Linked Data Service:
Authorities and Vocabularies
| Library of Congress
(loc.gov)

→ ↻ 🔒 <https://id.loc.gov/authorities/names/no2021116598.html> 🔍 ☆ ⋮ 📁

The Library of Congress > Linked Data Service > LC Name Authority File (LCNAF)

Pemberton, Ralph 1610-1697

[The family of Ralph Pemberton and Jame: "Submission." They were settled in Bucks (

URI(s)

- <http://id.loc.gov/authorities/names/no20>

Instance Of

- MADS/RDF PersonalName
- MADS/RDF Authority
- SKOS Concept ↗

Scheme Membership(s)

- Library of Congress Name Authority File

Collection Membership(s)

- Names Collection - Authorized Headings
- LC Names Collection - General Collection

Additional Information

- <http://id.loc.gov/rwo/agents/no20211165>

- Birth Date

(edtf) 1610-01-03

- Death Date

(edtf) 1697-07-17

- Has Affiliation

- Organization: [Society of Friends](#)

- Associated Locale

Lancashire (England)

- Associated Locale

Lancashire (England)

- Associated Locale

Bolton (Greater Manchester, England)

- Associated Locale

Pennsbury (Pa. : Township)

- Associated Locale

Bucks County (Pa.)

- Gender

Males

- Associated Language

English

- Occupation

Farmers

Additional Related Forms

- Pemberton family

Exact Matching Concepts from Other Schemes

- ~~✗~~ <http://viaf.org/viaf/sourceID/LC%7Cno2021116598#skos:Concept> ↗

Sources

- found: PRINT Migration Network: Pemberton Correspondence. 1641-1880.letter dated June 12, 1670 from Phineas Pemberton to Ralph Pemberton, page 2 (OCoLC)1242425810
- found: University of Central Florida, Showcase of Text, Archives, Research & Scholarship (STARS) website, viewed March 19, 2021:Pemberton Correspondence, Ralph Pemberton, Phineas Pemberton, July 28, 1678, [page 2], (Ralph Pemberton) - <https://stars.library.ucf.edu/printmigrationnetwork-pemberton/64/>
- found: University of Central Florida, Showcase of Text, Archives, Research & Scholarship (STARS) website, viewed March 19, 2021:Pemberton Correspondence Transcriptions,

Linking Entities to IR Records

[https://stars.library.ucf.edu/
printmigrationnetwork-
pemberton/5/](https://stars.library.ucf.edu/printmigrationnetwork-pemberton/5/)

James Harrison, Ann Harrison, September
17, 1666

[James Harrison](#)

Year

1666

Sender Place

Chester Castle; Chester, Cheshire, England

Receiver

Ann Harrison

Receiver Place

Handforth Green, Cheshire, England

Repository holding original letter

Historical Society of Pennsylvania

Full Date

1666-09-17

Document Type

Correspondence

Country, State, Location 1

53.1853, -2.8923

Country, State, Location 2

53.35, -2.216

Keywords

Business, Imprisonment, Persecution, Quakers, England, Chester,
Chester Castle, Cheshire, Society of Friends, Handforth Green, Edward
Lingard, Roger Longworth, Shoemaking

Abstract

Letter dated September 17, 1666 (September 7, 1666 Old Style) from
James Harrison to Ann Harrison. In this letter to his wife, James Harrison
discusses aspects of his shoemaking business. He mentions Edward
Lingard who is willing to help his apprentice, Roger Longworth. Harrison
also mentions his not yet starting a customer's order.

HSP DAMS ID

15723

Language

english

Format

application/pdf

Collection

PRINT Migration Network: Pemberton Correspondence

Type

Image; Text

Creator (Linked Data)

[Harrison, James, 1628-1687](#) [LC]

[Harrison, James, 1628-1687](#) [VIAF]

[James Harrison \(Q102115513\)](#) [Wikidata]

Receiver (Linked data)

[Harrison, Ann, 1623-1689](#) [LC]

[Harrison, Ann, 1623-1689](#) [VIAF]

[Ann Harrison \(Q102116821\)](#) [Wikidata]

Sender Place (Linked data)

[Chester \(England\)](#) [GeoNames]

[Chester \(England\)](#) [LC]

[Chester \(England\)](#) [VIAF]

[Chester \(Q170263\)](#) [Wikidata]

Receiver Place (Linked data)

[County of Cheshire](#) [GeoNames]

[Cheshire \(England\)](#) [LC]

[Cheshire \(England\)](#) [VIAF]

[Cheshire \(Q23064\)](#) [Wikidata]

Organization (Linked data)

[Society of Free Quakers](#) [LC]

[Society of Free Quakers](#) [VIAF]

[Quakers \(Q170208\)](#) [Wikidata]

[Society of Friends](#) [LC]

[Society of friends](#) [VIAF]

Family (Linked data)

[Pemberton family](#) [LC]


[Pemberton Family \(Q113325696\)](#) [Wikidata]


Adding LOD Entities to Alma Records


- **Alma & Linked Data**
 - LOD coding in MARC Records
 - LOD linking in Alma

- **Linked Data Fields added in Alma**
 - **Add Wikidata and GeoName links using \$1**
 - 100 1 \$a Pemberton, Phineas, \$d 1650-1702, \$e author, \$1 <https://www.wikidata.org/entity/Q94253673>
 - 700 1 \$a Pemberton, Ralph, \$d 1610-1697, \$e Correspondent, \$1 <https://www.wikidata.org/entity/Q102033482>
 - 651 7 \$a England \$z Radcliffe (Bury). \$2 fast \$1 <https://sws.geonames.org/6691227/>
 - 651 7 \$a England \$z Lancashire \$2 fast \$1 <https://sws.geonames.org/11609047/>


- **Automatically linked to entities/authorities**
 - **For LC name entities** (e.g., creator/author, contributor, name subject)


 100 1 \$a Pemberton, Phineas, \$d 1650-1702, \$e author, \$1 <https://www.wikidata.org/entity/Q94253673>


 700 1 \$a Pemberton, Ralph, \$d 1610-1697, \$e Correspondent, \$1 <https://www.wikidata.org/entity/Q102033482>

 600 1 0 \$a Pemberton, Phineas, \$d 1650-1702


- **For FAST headings**


 650 7 \$a Quakers. \$2 fast \$0 (OCoLC)fst01084913

 651 7 \$a England \$z Radcliffe (Bury). \$2 fast \$1 <https://sws.geonames.org/6691227/>


 651 7 \$a England \$z Lancashire \$2 fast \$1 <https://sws.geonames.org/11609047/>


- **For LC subjects** (650, e.g., LCSH)

 650 0 \$a Quaker businesspeople.

 650 0 \$a Society of Friends \$z England

- **For genre headings** (655, e.g., LCGFT, FAST genre/form heading)

 655 7 \$3 Accompanying DVD: \$a Oral histories \$2 lcgft

 655 7 \$a Personal correspondence. \$2 fast \$0 (OCoLC)fst01919948

LOD Related Guidelines

- **Linked Data Guidelines**
- **Examples**

- **Guidelines**

- Formulating and Obtaining URIs: A Guide to Commonly Used Vocabularies and Reference Sources (https://www.loc.gov/aba/pcc/bibframe/TaskGroups/formulate_obtain_URI_guide.pdf)
- PCC Task Group on Linked Data Best Practices Final Report (<https://www.loc.gov/aba/pcc/taskgroup/linked-data-best-practices-final-report.pdf>)



- **Examples**

- **\$1 for Real World Object (RWO) URIs**, \$0 for traditional identifiers (authority file, controlled vocabularies)
 - **VIAF- Virtual International Authority File**
 - Example: <http://viaf.org/viaf/7386077>
 - MARC Subfield for Capturing URIs: \$1
 - **GeoNames**
 - Example: <http://sws.geonames.org/2657896>
 - MARC Subfield for Capturing URIs: \$1
 - **ORCID**
 - Example: <https://orcid.org/0000-0002-7731-8944>
 - MARC Subfield for Capturing URIs: \$1
 - **Wikidata**
 - MARC Subfield for Capturing URIs: \$1
 - Example: <http://www.wikidata.org/entity/Q19526>
 - **LC Name Authority**
 - Example: 100 1# \$a Mitchell, Joni, \$e composer.
\$0 <http://id.loc.gov/authorities/names/n82108794>
(\$0 LC authority; no need to manually add it; will be auto-linked in Alma)
\$1 <http://id.loc.gov/rwo/agents/n82108794> (\$1 RWO)
\$1 <http://www.wikidata.org/entity/Q205721> (\$1 Wikidata)
- **\$4 for relationships**, e.g., 700 1# \$a Lattimore, Richmond.
\$4 <http://id.loc.gov/vocabulary/relators/trl> (*translator)

- **Note: no need to manually add \$0 links in Alma in general** (they'll be automatically linked eventually, such as LCSH, LCDGT, LCGFT, TGM)


LOD Display in Alma

- Ex Libris & Linked Data
 - LOD display in Alma

1  **Phineas Pemberton, Ralph Pemberton, September 12, 1680 / by Phineas Pemberton.** [Edit Record](#) [Portfolio List](#) 

Visual material {2D non-projectable graphic - Electronic} still image; unmediated; sheet By **Pemberton, Phineas, (1680.)**

Language: English


Record number: (OCoLC)1263183145 

MMS ID: 9938321401110659

Subject: England--Bury (Greater Manchester)--Radcliffe England--Lancashire Quaker businesspeople. and others

Creation Date: 08/09/2021 11:26:03 EDT


Modification Date: 02/28/2022 16:43:51 EST




● Electronic (1)

Interface Name	Collection Name	Service Type	Availability	Port
-	PRINT Migration Network: Pemberton Correspondence	Full Text	● Active	View

[Portfolio List](#)

Linked Data 

Context	https://open-na.hosted.exlibrisgroup.com/alma/contexts/bib	
bibo:oclnum	http://www.worldcat.org/oclc/1263183145	(OCoLC)on126318314
bibo:oclnum	http://www.worldcat.org/oclc/1263183145	(OCoLC)1263183145
dct:creator	http://id.loc.gov/authorities/names/nr92042234	Pemberton, Phineas, 1650-1702,
dct:creator	http://viaf.org/viaf/sourceID/LC nr92042234	Pemberton, Phineas, 1650-1702,
dct:contributor	http://id.loc.gov/authorities/names/no2021116598	Pemberton, Ralph, 1610-1697,
dct:contributor	http://viaf.org/viaf/sourceID/LC no2021116598	Pemberton, Ralph, 1610-1697,



LOD Display in Alma

- **Ex Libris & Linked Data**
 - **LOD display in Alma** (see right)

Vocabularies display as LOD in this example:


- LC vocabularies (e.g., LCNA, LCSH)
- VIAF
- WorldCat entities (e.g., title)
- FAST
- Wikidata

Record: Phineas Pemberton, Ralph Pemberton,
September 12, 1680 / by Phineas Pemberton.

Context	https://open-na.hosted.exlibrisgroup.com/alma/contexts/bib	
bibo:oclcnum	http://www.worldcat.org/oclc/1263183145	(OCoLC)on1263183145
bibo:oclcnum	http://www.worldcat.org/oclc/1263183145	(OCoLC)1263183145
dct:creator	http://id.loc.gov/authorities/names/nr92042234	Pemberton, Phineas, 1650-1702,
dct:creator	http://viaf.org/viaf/sourceID/LC nr92042234	Pemberton, Phineas, 1650-1702,
dct:subject	http://id.loc.gov/authorities/subjects/sh87002172	Social networks.
dct:subject	http://id.worldcat.org/fast/fst01123801	Society of Friends.
dct:subject	http://id.worldcat.org/fast/fst01084913	Quakers.
dct:subject	http://id.loc.gov/authorities/subjects/sh2010113917	Society of Friends England
dct:subject	http://id.loc.gov/authorities/subjects/sh85109435	Quakers England
dct:subject	http://id.loc.gov/authorities/subjects/sh85124183	Society of Friends England Lancashire.
dct:subject	http://id.loc.gov/authorities/subjects/sh85109435	Quakers Correspondence.
dct:subject	http://id.loc.gov/authorities/names/nr92042234	Pemberton, Phineas, 1650-1702
dct:subject	http://viaf.org/viaf/sourceID/LC nr92042234	Pemberton, Phineas, 1650-1702
dct:subject	http://id.loc.gov/authorities/subjects/sh85109435	Quakers England Lancashire.
dct:subject	http://id.loc.gov/authorities/subjects/sh95000818	Quaker businesspeople.
dct:subject	http://id.worldcat.org/fast/fst01204978	England Lancashire
dct:subject	http://id.worldcat.org/fast/fst01713209	England Radcliffe (Bury).
dct:subject	http://id.worldcat.org/fast/fst01919948	Personal correspondence.
dct:language	http://id.loc.gov/vocabulary/iso639-2/eng	---
JSONLD version	https://open-na.hosted.exlibrisgroup.com/alma/01FALSC_NETWORK/bibs/9914430380506561	---
null	http://id.loc.gov/authorities/names/no2021116598	Pemberton, Ralph, 1610-1697,
null	http://viaf.org/viaf/sourceID/LC no2021116598	Pemberton, Ralph, 1610-1697,
Creator	https://www.wikidata.org/entity/Q94253673	Pemberton, Phineas, 1650-1702,
Contributor	https://www.wikidata.org/entity/Q102033482	Pemberton, Ralph, 1610-1697,

Display in Primo

Record: [Phineas Pemberton, Ralph Pemberton, September 12, 1680](#) / by Phineas Pemberton.




Phineas Pemberton, Ralph Pemberton, September 12, 1680


[PRINT Migration Network: Pemberton Correspondence](#)


Pemberton, Phineas, 1650-1702, author;; [Pemberton, Ralph, 1610-1697](#), Correspondent 1680


[Available Online](#) >


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
 PRINT

 EXPORT RIS

 ENDNOTE

 CITATION

 EMAIL

 PERMALINK

View Online

Full text availability

[PRINT Migration Network: Pemberton Correspondence](#)

Details

Title	Phineas Pemberton , Ralph Pemberton , September 12, 1680
Other title	Phineas Pemberton 's letter to Ralph Pemberton , September 12, 1680
Included with	PRINT Migration Network: Pemberton Correspondence >
Creator	Pemberton, Phineas, 1650-1702, author , >
Contributor	Pemberton, Ralph, 1610-1697, Correspondent >
Genre	Correspondence. > Letters (correspondence) > Personal correspondence >
Subject	England -- Radcliffe (Bury) > England -- Lancashire > Quaker businesspeople > Quakers -- England -- Lancashire > Society of Friends -- England -- Lancashire > Quakers -- England > Society of Friends -- England > Quakers > Society of Friends > Social networks > Radcliffe Bridge > Colbourne, Peter > Pemberton, Phineas, 1650-1702 > Pemberton, Phineas (Chester) > Smith, Ralph > Smith, Richard > Colbourne, Henry >
Summary Identifier	Letter dated September 12, 1680 (September 2, 1680) OCLC : (OCoLC)1263183145 OCLC : (OCoLC)on1263183145
Creation Date	1680
Language	English
Type	Image
Physical Description / Organization of Materials	1 online resource (letter, front and back).
Production and publication	1680.
Access Notes	Access open to the public.
Cite As	Phineas Pemberton , n.p., to Ralph Pemberton , Radcliffe Bridge; Radcliffe, Lancashire, England, 1680-09-12, vol. 1, pg. 147, Pemberton Family Papers, 1641-1880, 0484A , Historical Society of Pennsylvania, Philadelphia, PRINT , 15989, https://stars.library.ucf.edu/printmigrationnetwork-pemberton/204/ . The original letter is available at the Historical Society of Pennsylvania.
Additional Physical Forms Available	
Local title/Local series title	PRINT Migration Network: Pemberton Correspondence >
Other Identifiers	(OCoLC)1263183145 (OCoLC)on1263183145 (EXLNZ-01FALSC_NETWORK)9914430380506561 (01FALSC_UCF)99383214011106596 99383214011106596 >
MMS ID	
Source Database	Library Catalog

LOD fields display in source record:

100 1#\$aPemberton, Phineas, \$d1650-1702, \$eauthor,
\$1<https://www.wikidata.org/entity/Q94253673>

651 #7\$aEngland \$zRadcliffe (Bury). \$2fast
\$1<https://sws.geonames.org/6691227/>

651 #7\$aEngland \$zLancashire \$2fast
\$1<https://sws.geonames.org/11609047/>

700 1#\$aPemberton, Ralph, \$d1610-1697,
\$eCorrespondent,
\$1<https://www.wikidata.org/entity/Q102033482>

LD Integration Profile & LD Enrichment in Alma Publishing Profile

- **Linked data integration in Alma**

- **Configure Linked Data Integration Profile**
 - Go to Configuration Menu > General > External Systems > Integration Profiles, select **Add Integration Profile**;
 - Page 1 of the External System Wizard:
Code: LOD Name: Linked Open Data Integration Type: Linked Data
 - Page 2 of the External System Wizard:
 - **Active** - Select to enable the profile
 - **Alternative Context URL** – Leave empty to use the default context, <https://open-na.hosted.exlibrisgroup.com/alma/contexts/bib>
- **Configure LD Enrichment in Alma Publishing Profile**
 - Configuration menu > Resources > Publishing > Publishing Profiles
 - **Publishing and Inventory Enrichment (General Publishing)**
- **Alma Refine**
 - Alma Refine matches could be tricky;
 - LOD will only display in the MARC source record in the discovery interface Primo;
 - It will not affect Primo display without additional plug-in or configuration (under development).
- **Challenges**
 - LOD display in Primo still in testing phase;
 - Concerns on “what will happen to the public interface” in the library;
 - Not able to test LD integration and publishing in sandbox;
 - Access rights;
 - Consortia environment

Reflections, Challenges and Opportunities

- LOD can be integrated into library systems to enrich information, help to break down library data silos and **open library data** to the web;
- LOD will eventually **improve discovery and user experiences** in searching the library catalog;
- Wikidata provides a **low barrier platform** for libraries to adopt linked data, enables the creation of **rich data** that may be unavailable or difficult to create in the traditional library environment; its visualization & knowledge graphs can enhance **representation and discovery** of knowledge; it can be incorporated into the library system in some way;
- Knowledge graphs in Wikidata and under-development Info Card for Primo can be used to represent **structured knowledge** and **entity** (e.g., people, space, time) **relationships** for collections, and they can be integrated into users' search experiences;
- Librarians at UCF will keep **exploring** linked data, Wikidata and ILS **with colleagues** in digital humanities, history and other disciplines.

- **Work smarter = Library expertise + Researcher knowledge**
- **Relationships build additional partnerships**
- **Platform isn't perfect? Do what you can to move forward**

Acknowledgements

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