

## **Using Dublin Core Metadata for a Family Archive**

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INFO 281: Metadata

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April 7, 2025

## Using Dublin Core Metadata for a Family Archive



Figure 1: Sample of one of the images described in this project. This image is described in Record 8.

For this project, I wanted to create metadata for excerpts from Betsy Clark Bergen's scrapbooks. Betsy was my grandmother, who passed away in 2017. She was born in 1928 in Osage County, Kansas. She was a professor of Human Ecology at Kansas State University from 1965-2005. She had a very well-organized collection of several scrapbooks telling the story of her life, as well as the lives of her family members. My family and I digitized her scrapbooks and memorabilia after her death as a way of celebrating her life together. The scrapbook pages were digitized using a Sony DSC-HX80 camera mounted on a stand with lamps illuminating the pages.

This is for a private collection used for

genealogical research. The materials may be used for future biographical writing projects, and for family members to tell each other stories of our shared past. They also may be helpful for historians. Because the scrapbook collection contains hundreds of pages of photos, documents, and writings, we need metadata to make it easier to find a specific item within the collection.

I used the digitized photographs in the Library of Congress Prints and Photographs Online Catalog (Library of Congress, n.d.) as an example of metadata used for historical images. I noted that their collection contains both Dublin Core and MARC records for each of the

digitized images on their website. I decided to use Dublin Core in my project similar to the way

```
<meta name="dc.subject"
      content="Claflin University--Buildings--1890-1900." />

<meta name="dc.subject"
      content="African Americans--Education--South Carolina--Orangeburg--1890-1900

<meta name="dc.subject"
      content="Libraries--South Carolina--Orangeburg--1890-1900." />

<meta name="dc.subject"
      content="Universities & colleges--South Carolina--Orangeburg--1890-1900.'

<meta name="dc.subject"
      content="Students--South Carolina--Orangeburg--1890-1900." />
```

*Figure 2: Source code from a Library of Congress page showing Dublin Core terms being used to describe a digitized photograph.*

it is used in the Library of Congress digital photo collection, including the way they format subject terms that identify names and places.

### **Dublin Core Generator**

I used the Simple Dublin Core generator (Steffel, n.d.) to create the first record, and then, because the content of several of the fields was the same for each record, I filled in the other records by hand with the help of copy and paste. The Dublin Core generator allows you to enter information into a text box for each Dublin Core element, then generate appropriate Dublin Core tags for each field. The generator can create Dublin Core tags in XML or HTML format, with appropriate encoding and link tags that would make the code readable to web browsers. I generated XML tags, because I feel they were shorter and more easily readable to a human eye than the HTML tags, although the Library of Congress webpage I used as an example used HTML meta tags to create their Dublin Core elements. I also used the Dublin Core Usage Guide (DCMI, 2017) to help determine what to put in the individual metadata fields.

Because this is for genealogical use, the names, dates and places are the most important keywords. A controlled vocabulary for names will be needed, to indicate different versions of names, especially for Betsy's aliases. I consistently used "Bergen, Betsy Clark,--1928-2017" to

identify her, but a thesaurus would be useful to connect users to different versions of her name. her full name at birth was Marcelene Elizabeth Clark, and “Betsy” was her nickname. At different times of her life, her married surname was “Moberly” and then “Bergen.”

### **Conclusion**

This was an interesting project that I enjoyed putting together. If I were to continue this project, I may consider inputting metadata for groups of pages instead of each individual page, to speed up the process, because there are hundreds of pages in this collection, and some of them have similar themes. I also may want to crop out individual photos from some of these pages and include metadata that connects them to the scrapbook page they are from. I found Dublin Core to be a mostly adequate schema for describing these images, although I was confused at the lack of a “repository” element, when the Library of Congress has “repository” as one of their descriptors on their photo collection site. I eventually determined that the “provenance” field was an adequate place to put repository information.

## References

- Prints & Photographs Online Catalog*. Library of Congress. (n.d.). <https://www.loc.gov/pictures/>
- Steffel, N. (n.d.). *The Simple Dublin Core Generator*. [dublincoregenerator.com](http://dublincoregenerator.com).  
[https://nsteffel.github.io/dublin\\_core\\_generator/generator\\_nq.html](https://nsteffel.github.io/dublin_core_generator/generator_nq.html)
- Using Dublin Core™ - the elements*. DCMI. (2017, September 1).  
<https://www.dublincore.org/specifications/dublin-core/usageguide/elements/>

## Template

**Title** (A descriptive title)

**Creator:** Bergen, Betsy Clark,--1928-2017

**Subject:** (Names of individual family members mentioned, list as many as needed. Use Library of Congress standard: Lastname, Firstname,--birthyear-deathyear)

**Subject:** (Names of places mentioned, list as many as needed. Use Library of Congress standard: United States--State--City)

**Description:** (Detailed description, including any typed captions)

**Date:** (List as many dates as are mentioned on the page, or an estimate based on surrounding pages. Use day month year format for full dates.)

**Type:** Image

**Format:** JPEG

**Format:** 3264 x 4896 pixels

**Identifier:** (filename)

**Language:** English

**Coverage:** 20<sup>th</sup> century

**Coverage:** Kansas

**Provenance:** Photographed from Betsy Clark Bergen's personal scrapbook collection, currently in possession of her son, Alan Moberly, Nauvoo, Illinois.

**Rights:** Copyright Betsy Clark Bergen. Do not duplicate without permission from Alan Moberly.

**Is Part Of:** Bergen Scans, Part 2

## Records

### Record 1

<dc:title>Photographs of Betsy and David Moberly's first house</dc:title>

<dc:creator>Bergen, Betsy Clark,--1928-2017</dc:creator>

<dc:subject>Bergen, Betsy Clark,--1928-2017</dc:subject>

<dc:subject>Moberly, David Earl,--1923-2012</dc:subject>

<dc:subject>United States--Kansas--Topeka</dc:subject>

<dc:description>Three photographs affixed to a scrapbook page. Caption reads: "Betsy and David buy their first house. It was brand new and it cost \$7,000. The house is located at 2405 Plass, Topeka, Kansas. They sold the house two years later for \$9,000." The color photo at the bottom of the page shows the same house in 1984. The 1984 photo shows mature trees and an attached garage that was not present in the older photos.</dc:description>

<dc:date xsi:type="dcterms:Period">1950s</dc:date>

<dc:date>1984</dc:date>

<dc:type>Image</dc:type>

<dc:format>JPEG</dc:format>

<dc:format>3264 x 4896 pixels</dc:format>

<dc:identifier>DSC00472.jpg</dc:identifier>

<dc:language>English</dc:language>

<dcterms:isPartOf>Bergen Scans, Part 2</dcterms:isPartOf>

<dcterms:spatial>Kansas</dcterms:spatial>

<dcterms:temporal>20th century</dcterms:temporal>

<dc:rights>Copyright Betsy Clark Bergen. Do not duplicate without permission from Alan Moberly.</dc:rights>

<dcterms:provenance>Photographed from Betsy Clark Bergen’s personal scrapbook collection, currently in possession of her son, Alan Moberly, Nauvoo, Illinois.</dcterms:provenance>

## Record 2

<dc:title> Newspaper clippings of flood near Betsy and David Moberly’s house</dc:title>

<dc:creator>Bergen, Betsy Clark,--1928-2017</dc:creator>

<dc:subject>Bergen, Betsy Clark,--1928-2017</dc:subject>

<dc:subject>Moberly, David Earl,--1923-2012</dc:subject>

<dc:subject>United States--Kansas--Topeka</dc:subject>

<dc:description> Photos with captions cut out from a newspaper, probably the Topeka Capitol-Journal, showing a flooded neighborhood. Betsy’s typed caption reads, “The Shunganunga Creek went out of its bank in 1951. Luckily, water did not get into Betsy and David’s house. David is in the smaller picture.” A hand-drawn arrow points to David Moberly in one of the photos.</dc:description>

<dc:date>1951</dc:date>

<dc:type>Image</dc:type>

<dc:format>JPEG</dc:format>

<dc:format>3264 x 4896 pixels</dc:format>

<dc:identifier>DSC00473.jpg</dc:identifier>

<dc:language>English</dc:language>

<dcterms:isPartOf>Bergen Scans, Part 2</dcterms:isPartOf>

<dcterms:spatial>Kansas</dcterms:spatial>

<dcterms:temporal>20th century</dcterms:temporal>

<dc:rights>Copyright Betsy Clark Bergen. Do not duplicate without permission from Alan Moberly.</dc:rights>

<dcterms:provenance>Photographed from Betsy Clark Bergen’s personal scrapbook collection, currently in possession of her son, Alan Moberly, Nauvoo, Illinois.</dcterms:provenance>

## Record 3

<dc:title> Contract of sale, 2405 Plass</dc:title>

<dc:creator>Bergen, Betsy Clark,--1928-2017</dc:creator>

<dc:subject>Bergen, Betsy Clark,--1928-2017</dc:subject>

<dc:subject>Moberly, David Earl,--1923-2012</dc:subject>

<dc:subject>United States--Kansas--Topeka</dc:subject>

<dc:description> Contract affixed to scrapbook page. Contract indicates sale of David and Betsy’s house, 2405 Plass, to Harold and Geneva Tosh, 8 June 1956. Sold for \$8000, with a down payment of \$700.</dc:description>

<dc:date>8 June 1956</dc:date>

<dc:type>Image</dc:type>

<dc:format>JPEG</dc:format>

<dc:format>3264 x 4896 pixels</dc:format>

<dc:identifier>DSC00474.jpg</dc:identifier>

<dc:language>English</dc:language>

<dcterms:isPartOf>Bergen Scans, Part 2</dcterms:isPartOf>

<dcterms:spatial>Kansas</dcterms:spatial>

<dcterms:temporal>20th century</dcterms:temporal>

<dc:rights>Copyright Betsy Clark Bergen. Do not duplicate without permission from Alan Moberly.</dc:rights>

<dcterms:provenance>Photographed from Betsy Clark Bergen’s personal scrapbook collection, currently in possession of her son, Alan Moberly, Nauvoo, Illinois.</dcterms:provenance>

#### Record 4

<dc:title>High School Teacher’s Contract, Betsy Moberly, 1952</dc:title>

<dc:creator>Bergen, Betsy Clark,--1928-2017</dc:creator>

<dc:subject>Bergen, Betsy Clark,--1928-2017</dc:subject>

<dc:subject>United States--Kansas--Ellsworth</dc:subject>

<dc:subject>United States--Kansas--Kanopolis</dc:subject>

<dc:description> Contract affixed to scrapbook page. Contract describes Betsy’s responsibilities as a high school teacher, teaching home economics and physical education at Kanopolis School, Ellsworth County, Kansas. Her salary was \$3500 per year.</dc:description>

<dc:date>11 April 1952</dc:date>

<dc:date>1 September 1952</dc:date>

<dc:type>Image</dc:type>

<dc:format>JPEG</dc:format>

<dc:format>3264 x 4896 pixels</dc:format>

<dc:identifier>DSC00475.jpg</dc:identifier>

<dc:language>English</dc:language>

<dcterms:isPartOf>Bergen Scans, Part 2</dcterms:isPartOf>

<dcterms:spatial>Kansas</dcterms:spatial>

<dcterms:temporal>20th century</dcterms:temporal>

<dc:rights>Copyright Betsy Clark Bergen. Do not duplicate without permission from Alan Moberly.</dc:rights>

<dcterms:provenance>Photographed from Betsy Clark Bergen’s personal scrapbook collection, currently in possession of her son, Alan Moberly, Nauvoo, Illinois.</dcterms:provenance>

#### Record 5

<dc:title> Car Sale Contract, 1954</dc:title>

<dc:creator>Bergen, Betsy Clark,--1928-2017</dc:creator>

<dc:subject>Bergen, Betsy Clark,--1928-2017</dc:subject>

<dc:subject>Moberly, David Earl,--1923-2012</dc:subject>

<dc:subject>United States--Kansas--Ellsworth</dc:subject>

<dc:subject>United States--Kansas--Kanopolis</dc:subject>

<dc:description> Contract affixed to scrapbook page. Contract is for a 1954 Ford Skyliner sold to “David E. and/or Marceline E. Moberly” for \$1788.82, to be paid in monthly instalments of \$106.50. Seller is Earl Johnson Motor Co., Ellsworth.</dc:description>

<dc:date>31 March 1954</dc:date>

<dc:type>Image</dc:type>

<dc:format>JPEG</dc:format>

<dc:format>3264 x 4896 pixels</dc:format>

<dc:identifier>DSC00476.jpg</dc:identifier>

<dc:language>English</dc:language>

<dcterms:isPartOf>Bergen Scans, Part 2</dcterms:isPartOf>

<dcterms:spatial>Kansas</dcterms:spatial>  
 <dcterms:temporal>20th century</dcterms:temporal>  
 <dc:rights>Copyright Betsy Clark Bergen. Do not duplicate without permission from Alan Moberly.</dc:rights>  
 <dcterms:provenance>Photographed from Betsy Clark Bergen’s personal scrapbook collection, currently in possession of her son, Alan Moberly, Nauvoo, Illinois.</dcterms:provenance>

### Record 6

<dc:title>Photos of Kanopolis 1</dc:title>  
 <dc:creator>Bergen, Betsy Clark,--1928-2017</dc:creator>  
 <dc:subject>Bergen, Betsy Clark,--1928-2017</dc:subject>  
 <dc:subject>Moberly, David Earl,--1923-2012</dc:subject>  
 <dc:subject>Moberly, Alan Dean,--1956-</dc:subject>  
 <dc:subject>Moberly, Grady Joe,--1952-1983</dc:subject>  
 <dc:subject>United States--Kansas--Kanopolis</dc:subject>  
 <dc:description> Two photos with typed captions affixed to scrapbook page. Caption reads: “Betsy and David Moberly accept teaching positions in Kanopolis, Kansas. They teach there for four years from 1952-1956. Betsy teaches high school home economics, girls’ physical education, social science, English, and library science. David is the elementary school principal. There two sons Grady Joe and Alan Dean are born during their years in Kanopolis.” Top photo is of Kanopolis Main Street. Bottom photo is of a large house. Caption reads: “This house was owned by Jasper Lamia. David and Betsy rented the upstairs from them. This was Grady Joe Moberly’s first home.” Photos are in color and were probably taken after the 1950s.</dc:description>  
 <dc:date>1952-1956</dc:date>  
 <dc:type>Image</dc:type>  
 <dc:format>JPEG</dc:format>  
 <dc:format>3264 x 4896 pixels</dc:format>  
 <dc:identifier>DSC00477.jpg</dc:identifier>  
 <dc:language>English</dc:language>  
 <dcterms:isPartOf>Bergen Scans, Part 2</dcterms:isPartOf>  
 <dcterms:spatial>Kansas</dcterms:spatial>  
 <dcterms:temporal>20th century</dcterms:temporal>  
 <dc:rights>Copyright Betsy Clark Bergen. Do not duplicate without permission from Alan Moberly.</dc:rights>  
 <dcterms:provenance>Photographed from Betsy Clark Bergen’s personal scrapbook collection, currently in possession of her son, Alan Moberly, Nauvoo, Illinois.</dcterms:provenance>

### Record 7

<dc:title>Photos of Kanopolis 2: Kanopolis High School</dc:title>  
 <dc:creator>Bergen, Betsy Clark,--1928-2017</dc:creator>  
 <dc:subject>Bergen, Betsy Clark,--1928-2017</dc:subject>  
 <dc:subject>Moberly, David Earl,--1923-2012</dc:subject>  
 <dc:subject>United States--Kansas--Kanopolis</dc:subject>  
 <dc:description> Two photos with typed captions affixed to scrapbook page. Top photo is of Kanopolis High School, bottom photo is of a stone arch marking the entrance to the Kanopolis

High School football field. Photos are in color and were probably taken after the 1950s, but show where Betsy and David worked during 1952-1956.</dc:description>

<dc:date>1952-1956</dc:date>

<dc:type>Image</dc:type>

<dc:format>JPEG</dc:format>

<dc:format>3264 x 4896 pixels</dc:format>

<dc:identifier>DSC00478.jpg</dc:identifier>

<dc:language>English</dc:language>

<dcterms:isPartOf>Bergen Scans, Part 2</dcterms:isPartOf>

<dcterms:spatial>Kansas</dcterms:spatial>

<dcterms:temporal>20th century</dcterms:temporal>

<dc:rights>Copyright Betsy Clark Bergen. Do not duplicate without permission from Alan Moberly.</dc:rights>

<dcterms:provenance>Photographed from Betsy Clark Bergen's personal scrapbook collection, currently in possession of her son, Alan Moberly, Nauvoo, Illinois.</dcterms:provenance>

### Record 8

<dc:title>Photos of Kanopolis 3</dc:title>

<dc:creator>Bergen, Betsy Clark,--1928-2017</dc:creator>

<dc:subject>Bergen, Betsy Clark,--1928-2017</dc:subject>

<dc:subject>Moberly, David Earl,--1923-2012</dc:subject>

<dc:subject>Moberly, Alan Dean,--1956-</dc:subject>

<dc:subject>Moberly, Grady Joe,--1952-1983</dc:subject>

<dc:subject>United States--Kansas--Kanopolis</dc:subject>

<dc:description> Three photos with typed captions affixed to scrapbook page. Top photo is of a red brick building, with the caption "Home Economics classes were held in this building."

Another photo shows a picture of a house. Caption reads: "In 1954, Betsy and David bought this house for \$3,000. They remodeled it by adding on a new kitchen and two bedrooms." Photos are in color and were probably taken after the 1950s but show where Betsy and David worked and lived during 1952-1956. The third photo is a black and white portrait of Betsy with the caption "Betsy, the teacher with glasses."</dc:description>

<dc:date>1952-1956</dc:date>

<dc:type>Image</dc:type>

<dc:format>JPEG</dc:format>

<dc:format>3264 x 4896 pixels</dc:format>

<dc:identifier>DSC00479.jpg</dc:identifier>

<dc:language>English</dc:language>

<dcterms:isPartOf>Bergen Scans, Part 2</dcterms:isPartOf>

<dcterms:spatial>Kansas</dcterms:spatial>

<dcterms:temporal>20th century</dcterms:temporal>

<dc:rights>Copyright Betsy Clark Bergen. Do not duplicate without permission from Alan Moberly.</dc:rights>

<dcterms:provenance>Photographed from Betsy Clark Bergen's personal scrapbook collection, currently in possession of her son, Alan Moberly, Nauvoo, Illinois.</dcterms:provenance>

### Record 9

<dc:title>High School Teacher's Contract, Betsy Moberly, 1953</dc:title>  
 <dc:creator>Bergen, Betsy Clark,--1928-2017</dc:creator>  
 <dc:subject>Bergen, Betsy Clark,--1928-2017</dc:subject>  
 <dc:subject>United States--Kansas--Kanopolis</dc:subject>  
 <dc:description> Contract affixed to scrapbook page. Contract describes Betsy's responsibilities as a high school teacher, teaching home economics and social science at Kanopolis School, Ellsworth County, Kansas. Her salary was \$3500 per year.</dc:description>  
 <dc:date>31 August 1953</dc:date>  
 <dc:type>Image</dc:type>  
 <dc:format>JPEG</dc:format>  
 <dc:format>3264 x 4896 pixels</dc:format>  
 <dc:identifier>DSC00480.jpg</dc:identifier>  
 <dc:language>English</dc:language>  
 <dcterms:isPartOf>Bergen Scans, Part 2</dcterms:isPartOf>  
 <dcterms:spatial>Kansas</dcterms:spatial>  
 <dcterms:temporal>20th century</dcterms:temporal>  
 <dc:rights>Copyright Betsy Clark Bergen. Do not duplicate without permission from Alan Moberly.</dc:rights>  
 <dcterms:provenance>Photographed from Betsy Clark Bergen's personal scrapbook collection, currently in possession of her son, Alan Moberly, Nauvoo, Illinois.</dcterms:provenance>

#### Record 10

<dc:title>High School Teacher's Contract, Betsy Moberly, 1954</dc:title>  
 <dc:creator>Bergen, Betsy Clark,--1928-2017</dc:creator>  
 <dc:subject>Bergen, Betsy Clark,--1928-2017</dc:subject>  
 <dc:subject>United States--Kansas--Kanopolis</dc:subject>  
 <dc:description> Contract affixed to scrapbook page. Contract describes Betsy's responsibilities as a high school teacher at Kanopolis High School, Ellsworth County, Kansas. Her assignment was "Two English classes, Home Ec. Girls Phys. Ed, take care of Library with Library Course this summer." Her salary was \$3800 per year.</dc:description>  
 <dc:date>30 August 1954</dc:date>  
 <dc:type>Image</dc:type>  
 <dc:format>JPEG</dc:format>  
 <dc:format>3264 x 4896 pixels</dc:format>  
 <dc:identifier>DSC00481.jpg</dc:identifier>  
 <dc:language>English</dc:language>  
 <dcterms:isPartOf>Bergen Scans, Part 2</dcterms:isPartOf>  
 <dcterms:spatial>Kansas</dcterms:spatial>  
 <dcterms:temporal>20th century</dcterms:temporal>  
 <dc:rights>Copyright Betsy Clark Bergen. Do not duplicate without permission from Alan Moberly.</dc:rights>  
 <dcterms:provenance>Photographed from Betsy Clark Bergen's personal scrapbook collection, currently in possession of her son, Alan Moberly, Nauvoo, Illinois.</dcterms:provenance>