Digitizing on a Dime

Digitization for Individuals and Small Genealogical Societies

Toolbox Workshop, June 15, 2019 Youngstown Historical Center of Industry and Labor





Overview of Concepts

- Image Capture Basics
- Image Capture Techniques
- Describing Your Images (Metadata)
- Storing Your Images
- Sharing Your Images
- Putting it all Together



mista

Reading Times (Reading, Pennsylvania) 2 February 1923



Creating Quality Images



Decisions will be made based on the requirements of your own project.

Reading Times (Reading, Pennsylvania) 2 February 1923





Image Capture Basics

Photographer, Edith Dennison Darlington Ammon/ O'Hara Darlington, ca. 1886-1887, University of Pittsburgh, Archives & Special Collections <u>Via Historic Pittsburgh</u>



Image Resolution

- Images are made of up small dots (pixels) made up of different colors.
- The resolution number tells you how many dots per inch are in an image.
- Higher Resolution means better quality, but also bigger files!













Grayscale

- Can be an option for scanning black & white photos.
- Smaller files and you don't have to worry about color corrections.
- Usually called Grayscale in scanner software.











- Preferred file type for web publishing
- Smaller files size
- Some compression occurs so images can be blurred a little if you zoom in
- Best format to use for repurposing and sharing files
- File extension: .jpg or .jpeg





Image Capture Techniques

Photography, ca. 1950, The University of Wisconsin Collection











Considerations by Object Type

- Photographs/Negatives
- Books
- Letters
- Documents
- Ephemera
- Objects







Describing Your Images

Women working in an office, Richard J. Daley Era Photographs (University of Illinois at Chicago) <u>Via Special Collections and</u> University Archives Department (Richard J. Daley Library)



Metadata

Data about Data

It's easier to access and organize your images if you know what they are.





Metadata







Embedded Metadata

Embedded image metadata is like writing on the back of a photo for digital files.

You don't need special software to embed metadata (although it helps)

There are several standards for metadata including Dublin Core, IPTC, & VRA Core



Windows

- Right Click on the Image
- Select Properties
- Can Edit: Title, Subject, Rating, Tags Comments, Authors, Program Name, Date Acquired, Copyright, Image ID

Property	Value	^
Description		
Title		
Subject		
Rating	****	
Tags		
Comments		
Origin		
Authors		
Date taken	7/19/2016 7:11 PM	
Program name		
Date acquired		
Copyright		
Image		
Image ID		
Dimensions	4944 x 3696	
Width	4944 pixels	
Height	3696 pixels	
University manufactures	70 dai	~



Batch Embedding Metadata Adobe Lightroom A program for viewing groups of images and editing metadata. Adobe Bridge Robust program that allows for batch photo editing, metadata embedding,

and file renaming.



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File Naming Conventions

Name	^	Date Modified	Size	Kind
Britanik_Family_1962_Reunion.jpg		Oct 15, 2016, 11:13 AM	1.4 MB	JPEG image
Britanik_Richard_1939_238_Bausman_Street.jp	g	Feb 18, 2017, 10:47 AM	162 KB	JPEG image
Britanik_Thelma_1952_1255_Gallup_Drive.jpg		Feb 18, 2017, 4:26 PM	1.9 MB	JPEG image
Leobig_Lena_1928_Pittsburgh_PA.jpg		Feb 17, 2017, 10:04 PM	2.3 MB	JPEG image
Loebig_Vincent_1947_Pittsburgh_PA.jpg		Feb 18, 2017, 4:26 PM	2.3 MB	JPEG image

- · Be aware of file sorting when picking a name
- Don't use illegal characters (~ # % & * {} \; <> ?/+|".)

File Naming Conventions

•Come up with a code for objects with more complex descriptions (abbreviations or genealogical numbers). •Test and record it and be consistent.

Object:

Warren United Method Church, Birth, Marriage, Deaths, and Member Rolls 1852-1892 File names: WUMC_BMDMR_1852_1892_0001.tif WUMC_BMDMR_1852_1892_0002.tif

	Family Photos			
		₩v)	Q. Search	
Name	Anna	Date Modified	Size	Kind
Name	Anna	 Date Modified Today, 10:48 AM 	Size	Kind Folder
	Anna			

 Be aware that if you repurpose or move images (like posting online) they will lose the associated data.

Data in a Separate Spreadsheet

A		В	С	D	E	F
1	File Name	Description	Location of Photo	Date of Photo	Date Scanned	Scanner
2	IMG_0125.jpg	Richard and Dorothy Britanik around a Christmas Tree	Pittsburgh, Pennsylvania	25-Dec-52	20-May-17	Kristin Britanik
3	IMG_0126.jpg	Britanik children opening presents	Pittsburgh, Pennsylvania	25-Dec-52	20-May-17	Kristin Britanik
4	IMG_0127.jpg	Britanik family eating Christmas dinner	Pittsburgh, Pennsylvania	25-Dec-52	20-May-17	Kristin Britanik
5	IMG_0128.jpg	Franklin Britanik sitting at dinner table	Pittsburgh, Pennsylvania	25-Dec-52	20-May-17	Kristin Britanik
6	IMG_0129.jpg	Dorothy Britanik with James Smith	Pittsburgh, Pennsylvania	25-Dec-52	20-May-17	Kristin Britanik
7	IMG 0130.jpg	Britanik family around Christmas Tree	Pittsburgh, Pennsylvania	25-Dec-52	20-May-17	Kristin Britanik

- Include a key value, such as the file name to know what data goes with each image
- Can allow for more customized descriptions
- If the spreadsheet is lost, so is all image data



Backups

The best backups are:

1. Automatic

You don't have to think about

2. Redundant Many copies instead of one

3. Stored in different locations In case of a physical disaster



CDs/DVDs

- + Very inexpensive and easy for individuals
- Media quickly can become outdated
- Shelf-life of CDs and DVDs is not very long
- This method is becoming outdated and I don't recommend it for new storage. It's best to migrate old media to new formats now.



- + Quick and easy
- Backups are harder to automate
- Can become corrupt Newer "Solid State" hard drives are more reliable



















Omeka

- A good options for genealogy societies with some IT help
- Free & open source
- Provides an easy way to upload large numbers of files and image metadata quickly

https://omeka.org

Omeka: www.floridamemory.com









Putting it all Together

- Define scope of the project.
- Choose digitization method.
- Choose resolution, color space, and file types to establish workflow.
- Develop a plan for describing the images.
- Acquire storage and establish backups.
- Create a plan for sharing images.

Additional Resources

Guidelines: Technical Guidelines for Digitizing Cultural Heritage Materials http://www.digitizationguidelines.gov/guidelines/digitize-technical.html

How to Digitally Archive and Share Historical Photographs, Documents, and Audio Recordings: <u>Appendix D. Using Copy Stands with Cameras</u> <u>http://archivehistory.jeksite.org/chapters/appendixd.htm</u>

Metadata for Cultural Heritage Materials <u>http://sustainableheritagenetwork.org/digital-heritage/metadata-cultural-heritage-materials</u>

Library of Congress Cataloging & Digitizing Toolbox https://www.loc.gov/rr/print/cataloging.html



Questions?

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