Digitizing History: Georgia HomePLACE and Personal Digital Preservation

East Georgia Genealogical Society
Winder Public Library, GA
March 14, 2017
Georgia Home Providing

Library & Archives Collections Electronically

- Collaborative
- Centralized technical expertise
- Distributed content expertise
Welcome to the Digital Library of Georgia

The Digital Library of Georgia is a gateway to Georgia's history and culture found in digitized books, manuscripts, photographs, government documents, newspapers, maps, audio, video, and other resources.

The Digital Library of Georgia connects users to a million digital objects in more than 200 collections from 60 institutions and 100 government agencies. Through this represents only a fraction of Georgia's cultural treasures, the Digital Library of Georgia continues to grow through its partnerships with libraries, archives, museums, government agencies, and allied organizations across the state.

Based at the University of Georgia Libraries, the Digital Library of Georgia is an initiative of GALILEO, the state's virtual library. Please also visit the Civil Rights Digital Library and GeorgiaInfo, an online Georgia Almanac, both in partnership with the DLG and GALILEO.

Partners & Sponsors

- GALILEO
- Georgia Public Library Service (Board of Regents of the University System of Georgia)
- Digital Public Library of America
- Georgia Council for the Arts
- Georgia Humanities Council
- Institute for Museum and Library Services
- National Endowment for the Humanities
- The University of Georgia Libraries
- More Partners »
Cyrus F. Jenkins Civil War Diary

Augusta African American Funeral Programs

Gordon County, GA Obituaries

Early Walker County Papers

Black History Society Photograph Collection
Storing is not Archiving
Digital Stewardship is an Ongoing Task

- Create, collect & capture
- Organise
- Use & disseminate
- Protect & preserve
- Archive OR Dispose
STEP 0: CONVERT
Why Digital Preservation is Important to YOU

5 Steps to Digital Preservation

1. IDENTIFY
2. DECIDE
3. SAVE/EXPORT
4. ORGANIZE
5. COPY & MANAGE
PRESERVING DIGITAL IMAGES
STEP 1: IDENTIFY
STEP 2: DECIDE
STEP 3: SAVE/EXPORT

What are your goals in preserving your photos?

Do you want a good-looking image as quickly and easily as possible?

Or do you want to ensure that every step of the process was completed with the utmost care toward preserving every bit of image quality?

There is no right answer. But your honest answer will dictate how you should proceed.
STEP 3: SAVE/EXPORT for PHOTOS

Uncompressed or Compressed

Lossless or Lossy

STEP 3: SAVE/EXPORT

Image credit: American Library Association’s Association for Library Collections and Technical Services
## STEP 3: SAVE/EXPORT

<table>
<thead>
<tr>
<th></th>
<th>JPG</th>
<th>PNG</th>
<th>JPEG2000</th>
<th>TIFF</th>
<th>RAW</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description</strong></td>
<td>The most common image format.</td>
<td>Created to improve GIF format without patent and color limitation.</td>
<td>Enhancement of JPEG to support transparency and lossless data.</td>
<td>Lossless and uncompressed data.</td>
<td>Contains the data acquired by sensors almost unprocessed.</td>
</tr>
<tr>
<td><strong>Pros</strong></td>
<td>Small file size; widely supported</td>
<td>Lossless; widely supported; transparency support</td>
<td>Small file size; lossless; transparency support</td>
<td>Lossless</td>
<td>Lossless</td>
</tr>
<tr>
<td><strong>Cons</strong></td>
<td>Lossy compression</td>
<td>Designed for web intensive’ not widely supported</td>
<td>Processor intensive’ not widely supported</td>
<td>Large file size</td>
<td>Large file size</td>
</tr>
<tr>
<td><strong>Lossless?</strong></td>
<td>Lossy</td>
<td>Lossless</td>
<td>Lossless &amp; Lossy</td>
<td>Lossless</td>
<td>Lossless</td>
</tr>
<tr>
<td><strong>Commonly Used For</strong></td>
<td>Photography</td>
<td>Icons</td>
<td>JPEG replacement; HD imaging</td>
<td>HD imaging</td>
<td>HDR photography; archiving</td>
</tr>
<tr>
<td><strong>Name</strong></td>
<td>Joint Photographic Experts Group</td>
<td>Portable Network Graphics</td>
<td>Joint Photographic Experts Group</td>
<td>Tagged Image File Format</td>
<td>Raw Image File / Digital Negative Format (open, standardized)</td>
</tr>
</tbody>
</table>
STEP 4: ORGANIZE

• Create a directory/folder structure on your computer
• Give files descriptive file names
• Optional: Tag files with information about the recording (metadata)
• Write a brief descriptive summary of the structure and recordings
A Formula for File Naming

[yyyymmdd]
+
[descriptive text]
+
[-version #]
=

A sortable, descriptive file naming convention
A Formula for File Naming

20150818

+ 

AmeliaIsland

+ 

-2

= 

20150818AmeliaIsland-2
STEP 5: COPY & MANAGE
PRESERVING DIGITAL AUDIO
Step 1: IDENTIFY

Step 2: DECIDE
## STEP 3: SAVE/EXPORT for Audio

<table>
<thead>
<tr>
<th></th>
<th>Uncompressed</th>
<th>Lossless</th>
<th>Lossy</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Open</strong></td>
<td>.flac, .alac</td>
<td><strong>.ogg, .oga</strong> (Ogg Vorbis)</td>
<td></td>
</tr>
<tr>
<td><strong>Proprietary</strong></td>
<td>.wav, .aiff</td>
<td>.ape</td>
<td>.mp3, .aac, .wma</td>
</tr>
</tbody>
</table>
STEP 4: ORGANIZE

• Create a directory/folder structure on your computer
• Give files descriptive file names
• Optional: Tag files with information about the images or recording (metadata)
• Write a brief descriptive summary of the structure and images / recordings
STEP 5: COPY & MANAGE
PRESERVING DIGITAL VIDEO
Step 1: IDENTIFY

Step 2: DECIDE

Step 3: SAVE / EXPORT
A Video File is Actually a Group of Files

Diagram:
- Container
  - Video Stream
  - Audio Stream
- Metadata
Common Video File Formats Include:

• .flv
• .avi
• .mov
• .wmv
• .mp4
• .mpg
• .m4v
Step 4: ORGANIZE

Step 5: COPY & MANAGE

LOCKSS -- Lots Of Copies Keeps Stuff Safe
Let’s Review!

1. IDENTIFY
2. DECIDE
3. SAVE/EXPORT
4. ORGANIZE
5. COPY & MANAGE
Library of Congress:
Digital Preservation

http://digitalpreservation.gov/personalarchiving
2. Early Walker County Papers in Southeastern Native American Documents, 1730-1842: http://dlg.galileo.usg.edu/nativeamerican/jpg/crl001a.jpg
6. Funeral services for Miss Lucy Craft Laney, Thursday, October 26, 1933, 3:00 p.m., McGregor Hall - page 1: http://funeral.galileo.usg.edu/funeral/view?docId=funeral/laney19331026-001.xml&query=&brand=default
QUESTIONS?

Angela Stanley
Director, Georgia HomePLACE
Georgia Public Library Service
astanley@georgialibraries.org