

Preserving Digital Photos





Virtual Technology Conference 2021 November 6









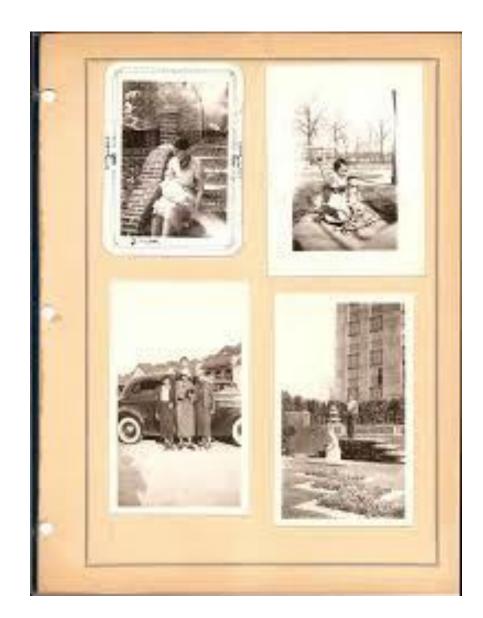


The Promise of Digital Photography



The Way Things Used to Be





Rise of Digital Media



- 2002 Digital cameras outsold film cameras
- 2004 Kodak announced it would no longer sell film cameras in developed world
- 2006 Nikon stops production of all but two models of film camera
- 2010 World-wide camera phones > 1 billion

Almost all digital cameras also take video



Advantages of Digital Photos

- Costs almost nothing
- Easy to take thousands of photos
- Can make unlimited perfect copies
- Editable
- Huge capacity
- Can last forever
- Will never fade, smear, or tear



The Downside

- Intangible
- Countless digital photos are *lost* every day
- Most people don't know how to preserve them



The Box







Something to Think About

•• Our family history •• ended the day we got a digital camera.

Preserving Your Photos



- your photos survive
- your photos are identifiable
- your photos are found



Making Sure Your Photos Survive



Copies Copies Copies!



- Your photos should never exist in only one place
- All hard drives eventually fail
- Easy to erase accidentally



What Will Survive?



100 years from now ...

- What will physically survive?
- What will people be able to use?



We Thought They'd Last Forever



Poor Choices





Memory cards (limited life)



Flash drives (limited life)



Diskettes (obsolete)

The Right Track



- Good quality CDs or DVDs
- Don't use ...
 - re-writable discs
 - Blu-Ray discs

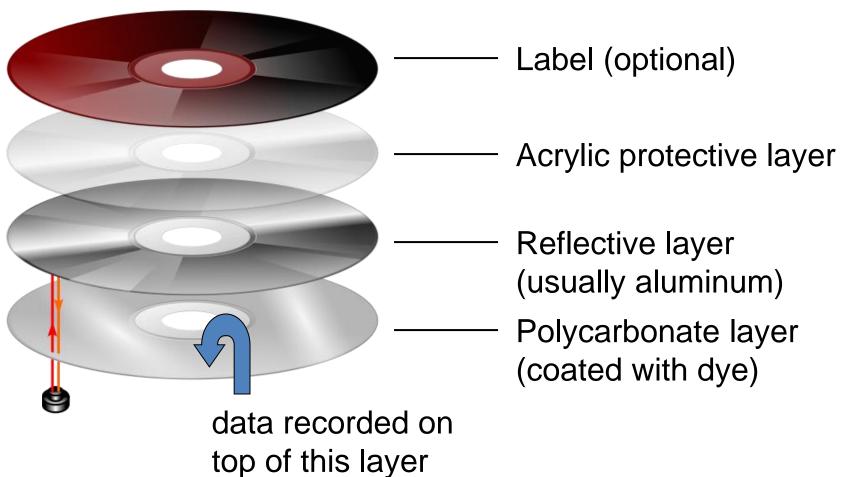




CD-R DVD-R DVD+R



Anatomy of a CD



What Can Go Wrong?

- Aluminum corrodes
- Dye degrades
- Physical damage



Archival CDs & DVDs



- Reflective layer is gold instead of aluminum
- Special longlasting dyes
- 100+ years (?)



Archival DVDs



Verbatim UltraLife Gold Archival DVDs 5-pack with cases - \$10.95 on Amazon



Help Your CDs & DVDs Survive



- Store in a cool, dry, dark place
- Store in plastic cases
- Label the cases
- Don't write on the discs
- Don't use stick-on labels



 Buy name brand (JVC, TDK, Memorex, Maxell, Verbatim, Sony, others)

Make Copies!

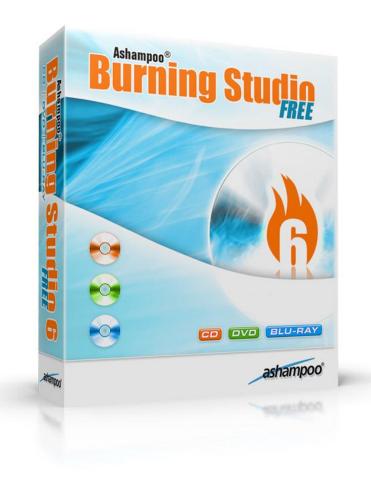


- You can make endless perfect copies
- Keep copies elsewhere (work, friends)



What I Use





www.ashampoo.com

Other Option: External Hard Drives

- Spinning drive, not SSD
- Reliable brand name
- Choose lower capacity - stay away from the bleeding edge
- Store in a cool, dry place
- Spin up occasionally







A New Years Tradition

- Copy DVDs
- Spin up hard drives
- Send copies to friends and family



Online Services





- Great for sharing photos
- Good for "yet another place" to store your photos
- Don't count on them as permanent storage

Printed Photos



- How long do printed photos last?
 - A. It depends
 - B. Nobody knows



How Long will Prints Last?



In 20, 50, or 100 years, ??
we'll know what really
worked and what didn't
... but until then all we
can do is guess.

Richard Seiling

Photographer and owner of West Coast Imaging

Our Best Guess



Color prints and negatives	40 years
Inkjet photos under ideal	75+ years
circumstances	
Most inkjet photos	< 5 years

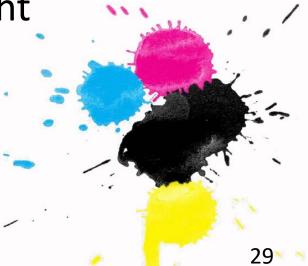


Making Prints Last



- Good photo printer
- Manufacturer's ink
- Premium photo paper (not fast dry)
- Keep out of direct sunlight
- If displayed, keep under glass





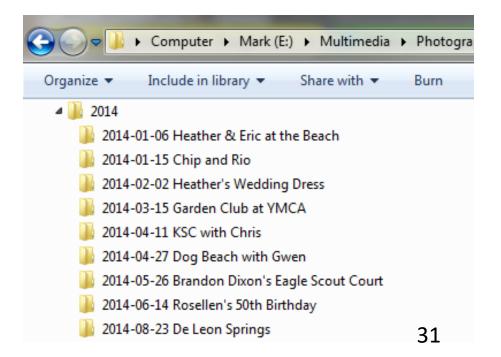
Making Sure Your Photos are Identified



Identifying Your Photos



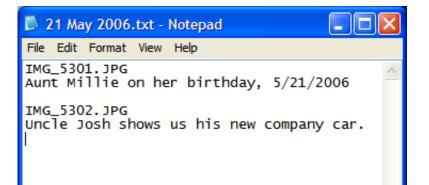
- You can't write on the back of a digital photo
- Organize your photos into meaningful folders



Identifying Your Photos



- Use Notepad (or something similar) to create text files with information about your photos
- Don't rely on ...
 - Word documents
 - Photo-organizing software, such as Picasa



Making Sure Your Photos Are Found

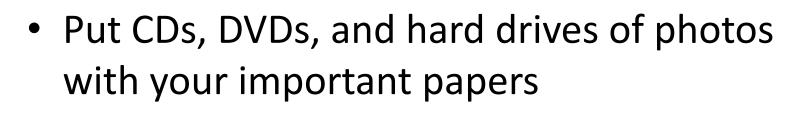


Losing Digital Photos

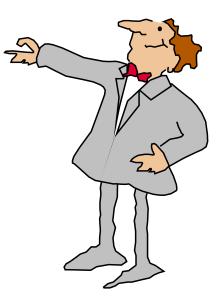
- Digital photos don't stand out like a box of printed photos does
- Photos stored only on your computer's hard drive are easy to lose
- An individual CD or memory card is too easy to miss



Make Your Photos Findable



- Tell people where they are, especially kids
- Label hard drives and CD/DVD cases
- Key point: Make sure people realize what they've found



Create a Book

Create a photo book ...

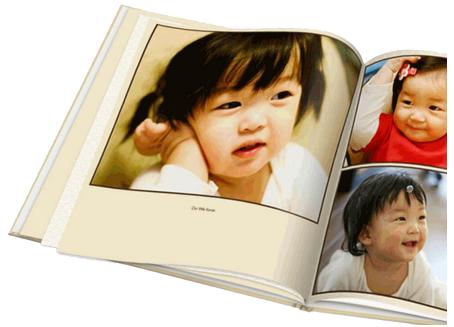


... and put your DVD in the back of the book

A Few Book Publishers

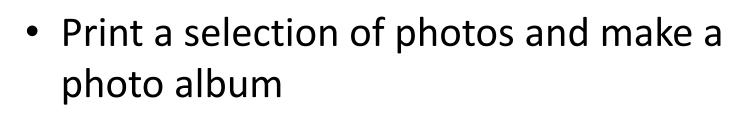


- blurb.com
- mypublisher.com
- shutterfly.com
- MixBook
- Pinhole Press



Deluxe hard-cover book with Groupon: \$10 + shipping

Less Expensive ...



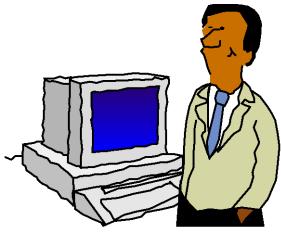
• Put your CD/DVD in the back



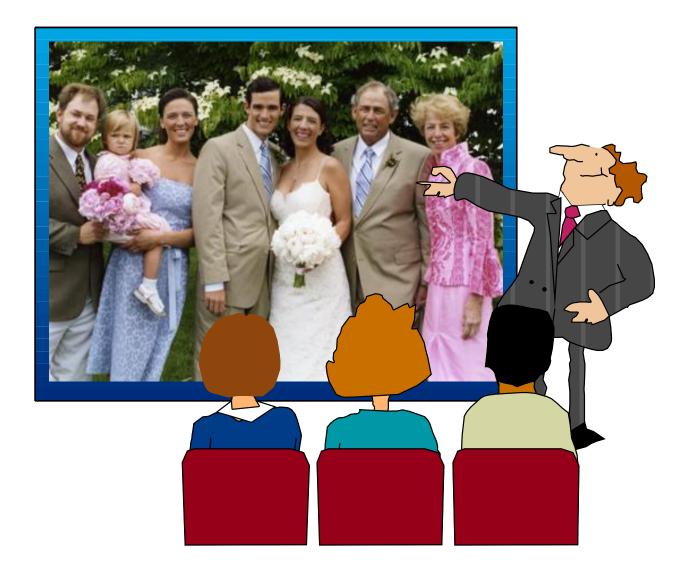
The Family Archivist



- Collects materials from family members
- Makes photos available to everyone
- Makes sure lots of copies exist
- Makes new "fresh" copies on a regular basis
- Watches for technology changes
 - file formats
 - storage media



Conclusion



Questions?



Preserving Digital Photos

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An International Association of Technology & Computer User Groups