



## Additional Resources

*Please note that the websites listed here are intended as additional references for your use. They can be a good starting point for further exploration. I3A does not necessarily endorse the content of these sites, and we are quite aware that material on any one website may stand in apparent contradiction to material on other sites. Industry knowledge about long term photo preservation is evolving, so it's important to keep your own knowledge up to date.*

### General

[Buyer's Guide: External Storage and Backup](#)

[Digital Focus: Photo Backup Tips and Tricks, March 23, 2004.](#)

[IPI Media Storage Quick Reference – Negatives, Prints, Tapes, CDs & DVDs.](#)

[McKnight, R. Guidelines for Preserving Your Photographic Heritage.](#)

[Rothenberg, J. Ensuring the Longevity of Digital Information, February 22, 1999.](#)

[Tips for Managing Your Photos.](#)

[The Universal Photographic Digital Imaging Guidelines.](#)

### Prints

[The American Museum of Photography, Preserving and Protecting Photographs.](#)

[Canadian Conservation Institute, Frequently Asked Questions on Caring for Photographs, Digital Images and Films.](#)

[Going, Going, Gone!](#)

[Image Permanence Institute, The Archival Advisor.](#)

[Image Permanence Institute, A Consumer Guide to Traditional and Digital Print Stability, 2004.](#)

[Library of Congress, Caring for Your Photographic Collections.](#)

[McKnight, R. Photo Heritage.](#)

[Mishkin, D. Preserving the Past.](#)

[Scrapbook Preservation Society.](#)

[Torrey Pines Research, The PEARLS™ White Paper](#)

[Wilhelm Imaging Research](#)



## External Hard Drives

[Canadian Conservation Institute, Frequently Asked Questions on Caring for Computer Hard Disks and Diskettes.](#)

[External Hard Drives Buying Guide.](#)

[External Hard Drives Reviews.](#)

[Hard Drive Basics.](#)

[Vitale, T. Digital Imaging in Conservation: File Storage.](#)

[What Is an External Hard Drive?](#)

## CDs and DVDs

[Answers to your questions about CD/DVD archival capacity and testing.](#)

[ArchiveMyPhotos](#)

[Bradley, K. Risks Associated with the Use of Recordable CDs and DVDs as Reliable Storage Media in Archival Collections - Strategies and Alternatives, Memory of the World Programme, UNESCO, Paris, 2006.](#)

[Byers, F. R. Care and Handling of CDs and DVDs – A Guide for Librarians and Archivists, Council on Library and Information Resources, Washington, D.C., 2003.](#)

[Canadian Conservation Institute, Frequently Asked Questions on Caring for CDs and Their Longevity.](#)

[CD-Recordable FAQ.](#)

[Creative Memories, A Consumer Guide to Recordable CDs and DVDs.](#)

[Delkin, Archival Media for the Masses, January 2005.](#)

[DVD Burner Reviews.](#)

[Farley, J. S. Experiments on Corrosion Intercept CD Inserts 1998-2002.](#)

[Iraci, J. The Relative Stability of Optical Disc Formats, Restaurator 2005, 26, 134-150.](#)

[KMP Media, Why choose Kodak Gold Preservation CDs and DVDs](#)

[MAM Technology.](#)

[Media Science, Frequently Asked Questions.](#)

[Optical Storage Technical Association, Understanding CD-R & CD-RW, January 2003.](#)

[Optical Storage Technical Association, Understanding Recordable & Rewritable DVD, April 2004.](#)

[OSTA and Ecma International Announce Issuance of Optical Disc Archival Test Standard Needed to Promote Archival-Grade Media.](#)



## CDs and DVDs (cont.)

[Slattery, O.; Lu, R.; Zheng, J.; Byers, F.; Tang, X. Stability Comparison of Recordable Optical Discs- A Study of Error Rates in Harsh Conditions, J. Res. Natl. Inst. Stand. Technol. 2004, 109, 517-524.](#)

[The X Lab, Optical Media Longevity.](#)

[Video Media Guide.](#)

## Online Storage

[Choosing a Web Based Photo Storage Service.](#)

[Free Web Space Review.](#)

[How to Choose and Use an Online Storage Service.](#)

[Online Backup Services Reviews.](#)

[Online Photo Resource Guide](#)

[Online Stores & Services Online Storage.](#)

## Other Backup Methods – Networked Hard Drives

[Ars System Guide: Home Media Server.](#)

[Introduction to NAS - Network Attached Storage.](#)

[Windows Home Server.](#)

## Other Backup Methods – Film

[Image Archiving -Digital imaging's 'dirty little secret'](#)

[CCG GmbH, Safe archive solutions for the future "Digital Dark Age"](#)

## Recover - Hard Drive Crash

[Beginners Guides: Diagnosing Bad Hard Drives.](#)

[Beginners Guides: Hard Drive Data Recovery.](#)

[Data Recovery: Data Loss and Drive Failures.](#)

[Hard Drive Recovery - A Quick And Easy Guide.](#)

[Hard Drive Recovery Guide.](#)

[How to Diagnose Hard Disk Problems.](#)

[Knowing Your Hard Drive - A Guide to Data Recovery.](#)



## Recover - Camera Card

[Beginners Guides: Flash Memory Data Recovery and Protection.](#)

[Flash Memory and Data Recovery.](#)

[Flash Memory Recovery Software.](#)

[SmartMedia, CompactFlash & Memory Stick Data Recovery.](#)

## Recover - Miscellaneous

[Iraci, J. Disaster Recovery of Modern Information Carriers: Compact Discs, Magnetic Tapes and Magnetic Disks. Canadian Conservation Institute, Technical Bulletin 25, 2002.](#)

[Iraci, J. Remedies for Deteriorated or Damaged Modern Information Carriers, Technical Bulletin 27, 2005.](#)

## I3A Digital Photo Archiving Technical Forum, March 9, 2007

[Steiber, T. \*Does Our Customer Have to Care About the Technology? Soft Issues.\*](#)

[Mizen, M. \*Hard Drives, CDs, DVDs and the Photo Book Solution.\*](#)

[LeBarca, J. \*Printing and Permanence: Technical Considerations in Saving Your Memories.\*](#)

[Sayanagi, N. \*Preserve those Memories: Can Technology Standards Make Archiving on Optical Media Reliable for Consumers?\*](#)

[Steiber, T. \*The Technology of Disaster Recovery.\*](#)

[Hagel, S. \*Back to the Future - Archiving on Film.\*](#)

[Fred Shippey. \*How will Future Technology Protect Consumer Images?\*](#)