

## Conservation Kitchen: Recipes for Disaster!



## Environment



Hot and steamy Great for mold and insects. Bad for your collections.



# **Nc** (R hi

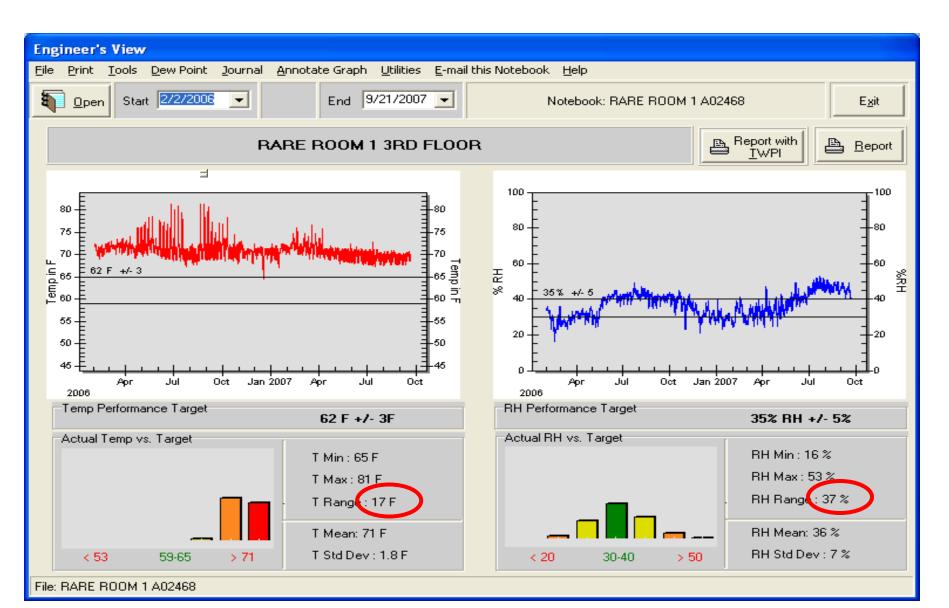
#### Not too wet ...

(RH should be no higher than 50%)

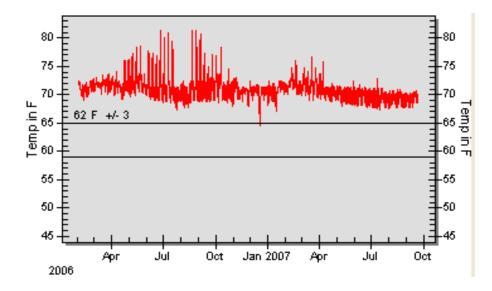
#### ...but not too dry!

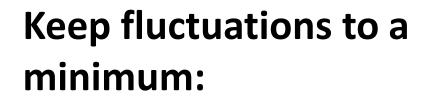
(RH should be no lower than 30%)

#### Above all - keep it stable!



#### Watch those spikes!





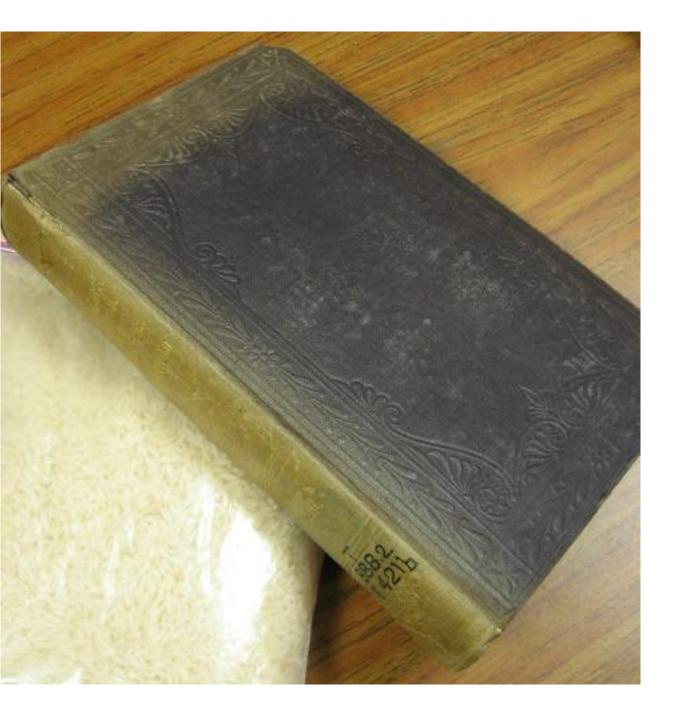
Temperature: no more than 2°F RH: no more than 3%

#### **HOBOS or PEMS can help!**



Great for roasting chestnuts – but not for collections





Light + collections = deterioration



#### BLUE SCALE TEXTILE FADING CARDS

Archival Storage Bookbinding Tools & Supplies Books Chemicals & Deacidification Cleaners and Polishers **Environmental Controls**, Instruments & Measures Fabrics & Textiles Fasteners & Hardware Films & Non-Wovens Frames & Framing Supplies **Gilding & Finishing Materials** Hot Stamping Machines & Tools Kits & Supplies for Everyone Leathers, Vellums & Parchment Pigments, Paints, Dyes & Inks Safety & Laboratory Supplies Sample Books Specials & New Products **Tissues, Papers & Boards Tools & Brushes** 

Adhesives

Index of Products Browse All Products By Category



#### (aka BLUE WOOL FADE CARDS, BLUE SCALES, BLUE WOOL CARDS)

Used as light fastness standards, to monitor the net exposure to light of art objects on display, and to alert conservators to rotate an exhibit or to reduce the intensity of illumination.

Eight pieces of wool cloth tinted with blue dyes of different degrees of fastness mounted on a 5"x1 1/2" card. These cards conform to the ISO 105-b01 standard.

Please note: There are two cards pictured above, the one on the left represents a "control" card that is stored in total darkness. The one on the right, (displayed here for contrast only) has been exposed to UV light and has faded.

Item	Description	Price	Quantity
TEC025001	Each	1-9 : \$ 14.10 each 10-49 : \$ 13.10 each 50-99 : \$ 11.60 each 100+ : \$ 9.60 each	



## **KEEP IT CLEAN!**

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erds

THE MATERIAL ON COARSE

PROPOSED OF AMER

## Do you have a problem with off-gassing?



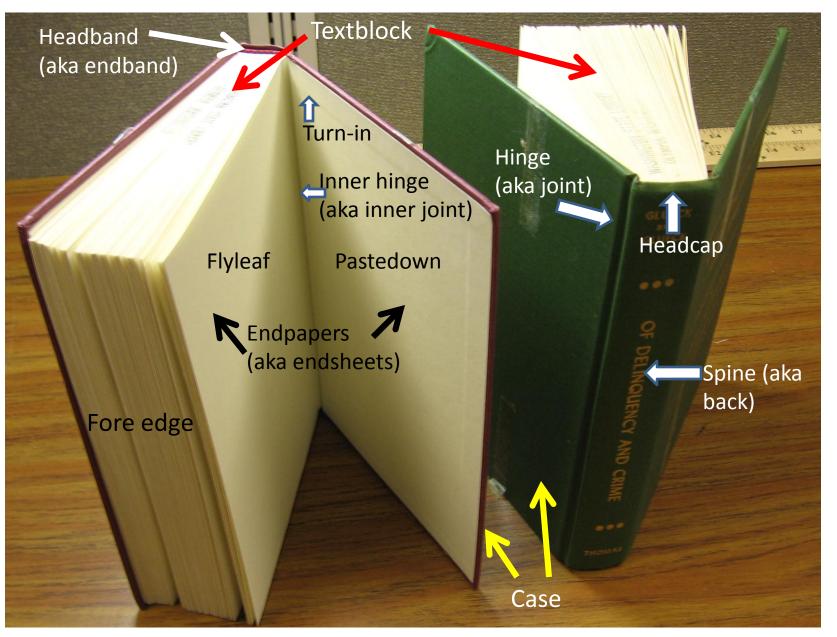
Limit the use of chemicals and cleaning products around collections



### An anatomy lesson



#### Parts of a book



#### **Be prepared!**



Attend a FREE workshop and be prepared!



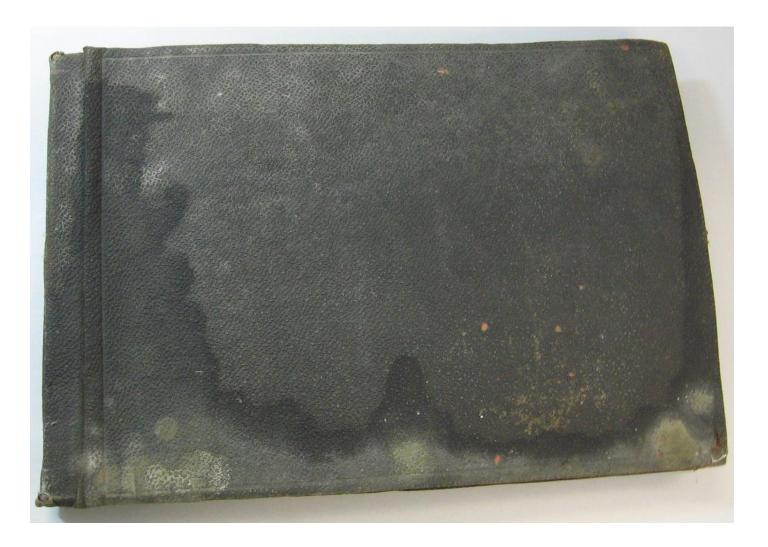
#### Have a disaster plan in place





Get to know your **local first** responders-**BEFORE** an emergency arises!

#### Act quickly to avoid big problems!

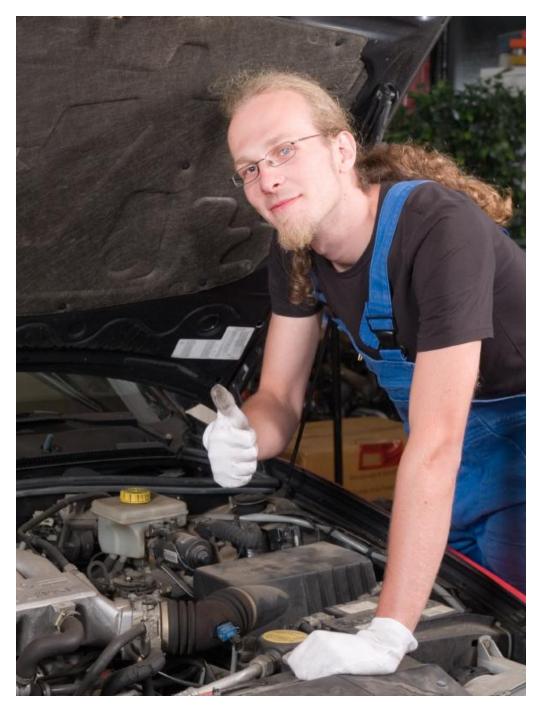


## Care and handling



When nature calls, resist the urge to bring reading material with you!

353165 31310 531



## What about white gloves? (Tie and tails, optional)

#### Stop! You're breaking my back!



#### **Much better!**



Take a picture – It will last longer!



## Cradle your books



#### Speaking of cradles...



www.cool.conservation-us.org/coolaic/sg/bpg/annual/v04/bp04-01.html

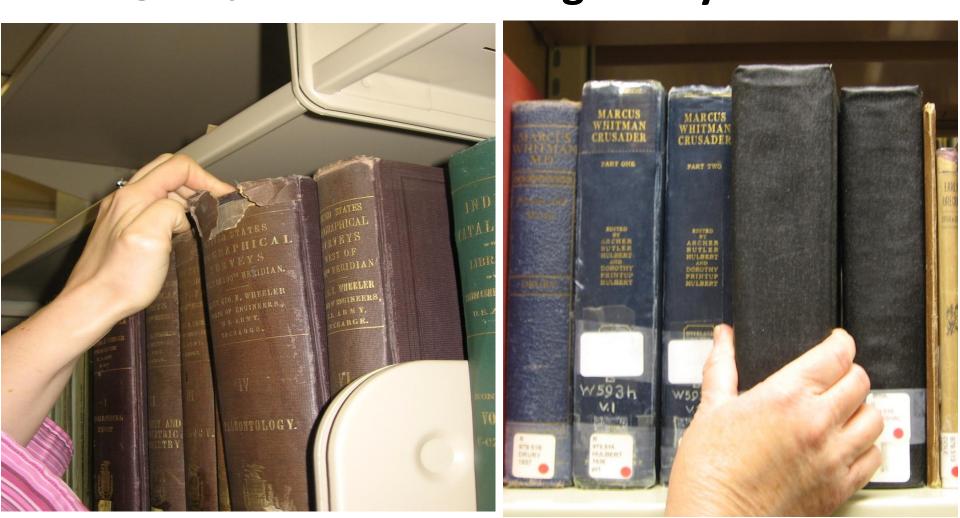
www.nps.gov/history/museum/publications/conserveogram/18-01.pdf

## Don't let your book trucks look like this!



## These need more support!

## Never remove a book from a shelf by pulling on its headcap! Wrong way! Right way!

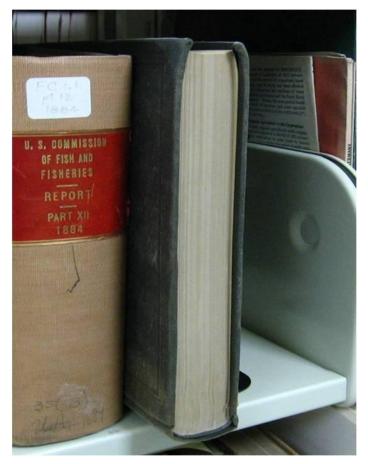


#### Never shelve a book on its fore edge!

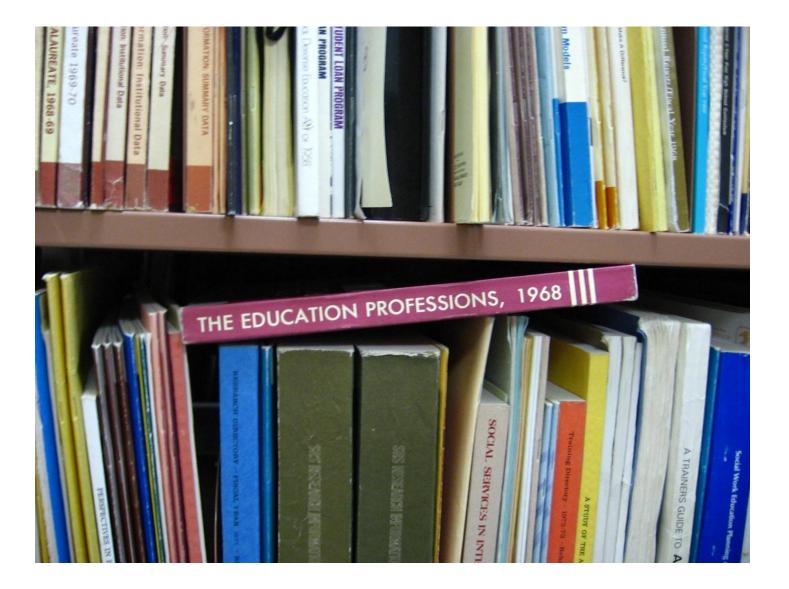
Wrong way!



Right way!



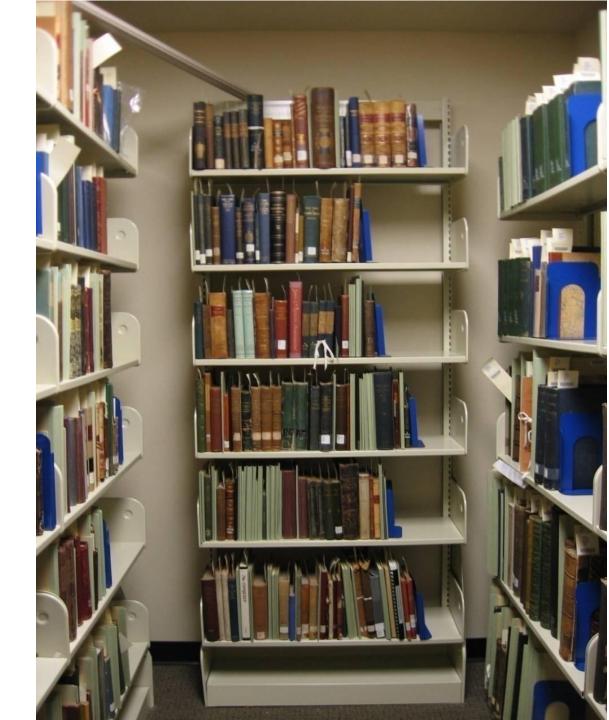
#### Don't use the tops of books as a shelf!



## Too tight!



## Just right!

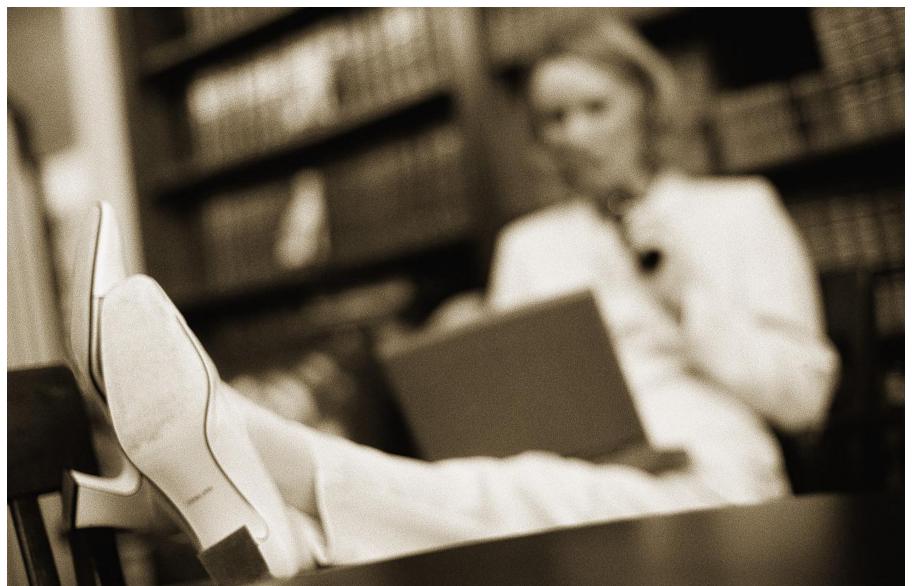


## Sometimes neighbors can be incompatible



#### Book shoes???!!!!

#### www.nedcc.org/resources/leaflets/4Storage and Handling/07BookShoe.php

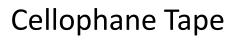


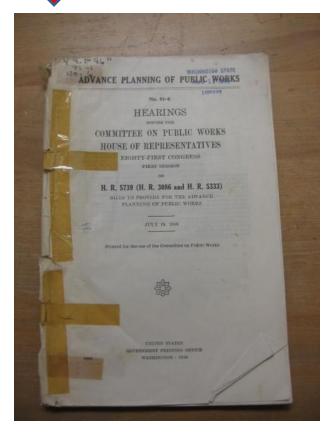
#### **Shopping for supplies**

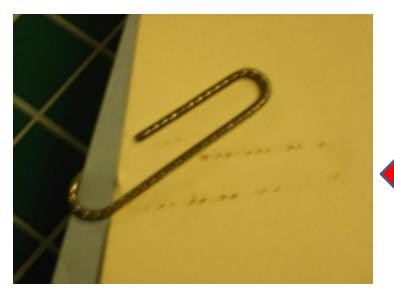




#### Bad uses of office supplies:







#### Paper clip (see the rust stain!)

#### Pen as bookmark



#### **Twine: It dices! It slices!**



REGULATOR

Check regulator for proper mounting, sightness

which could permit and leakage, measurement minsible lookage as the server piston and is one dropper minute with oil temptrature of 71,1°C (160°F). and an oil pressure of 50 pounds per square loch. If oil leakage exceeds this value the regulator should be removed, and the oil scals replaced. Check for possible accumulation of moisture in exhaust

manifold pressure chamber. ELECTRONIC TURBOSUPERCHARGER

#### REGULATOR SYSTEM 25/30-HOUR INSPECTION

Check AN connector to are that it is inserted property and is right.

#### CAUTION

Never disconnect AN connector of watergate motor when inverter is on; this is apt to damage the amplifier.

Make wate motor is mounted solidly and has not

shifted its position.

Governor and Flexible Drive. Inspect AN connector on governor to make sure it is properly inserted and tight. See that the nur on firsible-drive connection is not cross-threaded

- and that it is tight.
- use "Check governot mounting to make sure that governor is held solidly in place and has not shifted
  - its position.
- MICRO Operation of Amplifier and
- lock mit Weste Oats Motor.
- Flug in external power supply. Carefully check voltage of external power supply. (Voltages higher ad just me.

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shan 1.54 suffre de may result in weathread un barrowd but amplifuer token.) Turn on investor Cal.

switch her dial of participants whether at "a Remove APs amenance on Pressureinst and glogin the s potal ters presentionates in place of Fransurversel. There knob on test generationers sorth water as a to fully closed.

16 st. requested next potentionnexts is not seal bir, the "partpar" method can be used watarot removing the AN anonertic of ds Pressurated, Rater to Section IV. pares with 7, for jumper mathematic

Glearant of Linkage Rod. Check to so that there is at least 1/2-inch clearance between the glinkage rod and any atructural pass of the airplane for all positions of the wante gate. Since the exhaust search and surbane move backward an appreciable provent when heated, shis much clearstore in more may to keep the linkage from blading.

Chargeneo of Weste Gots From Stop. and a starting position, the maste gate should be approximately

1/32 such us y from the stop inside the orthand pipe.

Weste Gote Positions. Remove test 1 Mentiometer und for closing wave gate, and rep by Preventered AN contector, 11 sumper methics bear anol, remove jumps and replace "I" hos a ber. Turn dial of turbo boost whertor to "n" and bole at arbaust watte gates. At sea level, or at all adea slightly above and level, the waste gates she lid he open or almost open when the origines are by running, even with the dist so "s" ; but = " as of higher shirude, the source gates ment when dial is surned no "#. will guide key in the Pressuretted will be pr Quarter, great care should be used Because of . plag is properly matched with AN connector. to insure that the receptacle s y n it is inserted.

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Induction Syste Alters. Check for he p to one "shape on hitter. control gates.

e which connects Pressurential duct. Check fur leaks or cracks e clamps. A lask will senals in erratic control + will introduce manifold presbrain powers or simular

abber couplings in induction system ducts. Also Juck gashes between duct and the nathomepercharge Compressor beauing, Issperturbo air intake durt & abutrations such as darry

RESTRICTED

#### Use protective enclosures instead



### archival storage boxes

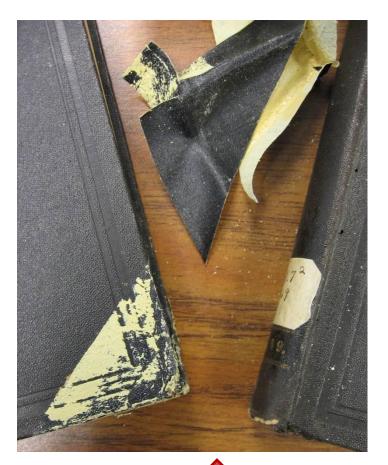
#### And hold the dressing!





# Put on a jacket instead!

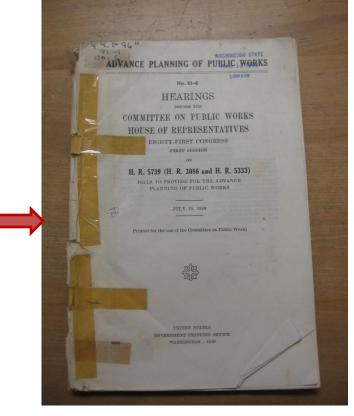
## When tape is a bad idea



Corner protectors used on a rare book

Cellophane tape used to repair tears in federal depository item

Book tape used to "laminate" historic map





#### **Acid migration**

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Mr. Elseyh had sugrated the spit of Aslens corpore without the oneinfortal maximum of Congress and under a claim of authority to our without posens of the all powers \* diregooune to the public safety." The conselution anapation was tolerated by the country. Indeed, in alt had iony freedom defines is Northern nowspapers. It was deduced by the privilege of labor corpus was really in the interest of no use he your criminals, and that what had been ratemmed for centuries at the

#### Does your book shed?



#### What is meant by "archival quality?"



www.unfacilitated.preserva tion101.org/session5/expl encl-preserv.asp www.nedcc.org/resources/leaflets/7Conservation Procedures/03RepairingPaperArtifacts.php



#### Got photos?



### A sampling of suppliers:

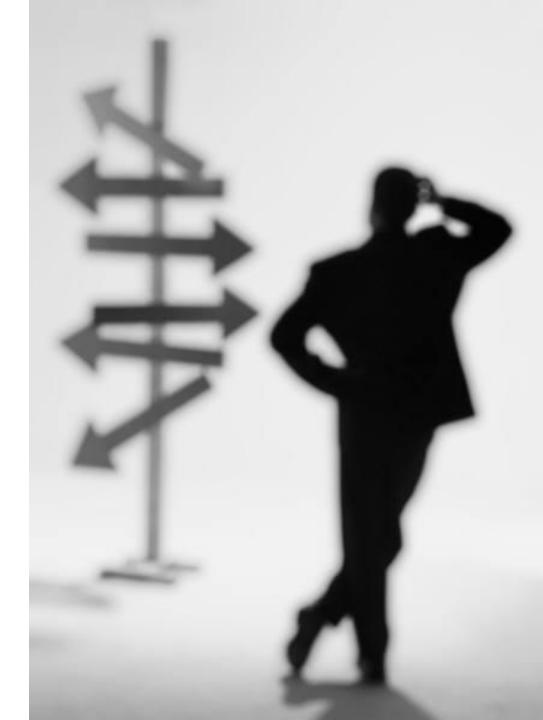
Vendor	URL	Phone #
Archival Products	http://www.archival.com	1-800-526-5640
Bookmakers, Inc.	http://www.bookmakerscatalog.com/index.htm	1-301-345-7979
Custom Manufacturing Inc. (CMI) – phase boxes	http://www.archivalboxes.com	1-607-569-2738
Gaylord	http://www.gaylord.com	1-800-962-9580
Hollinger Metal Edge	http://www.hollingermetaledge.com	1-800-862-2228
Light Impressions	http://www.lightimpressionsdirect.com	1-800-828-6216
MuseuM Services Corporation	http://www.museumservicescorporation.com	1-651-450-8954
Talas	http://www.talasonline.com	1-212-219-0770
University Products	http://www.universityproducts.com	1-800-628-1912

## Should I fix it myself?



## Don't do something you will regret later!

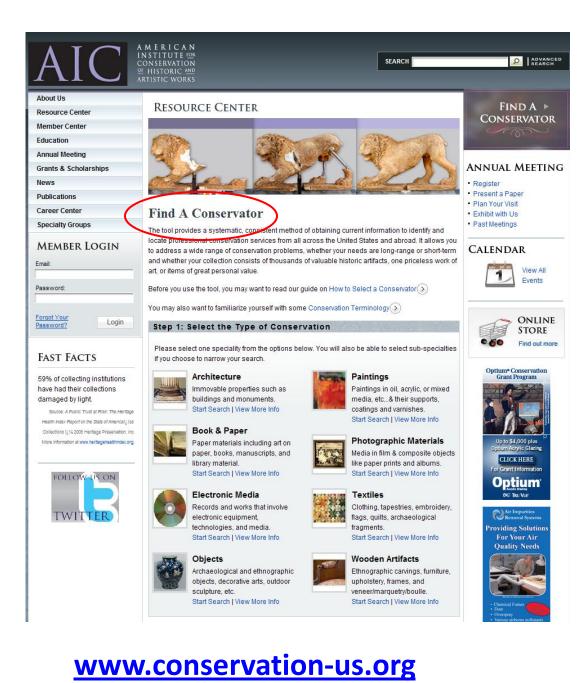
## WHAT SHOULD I DO WITH A ...



### Rare book?

#### First option:

## find a conservator!

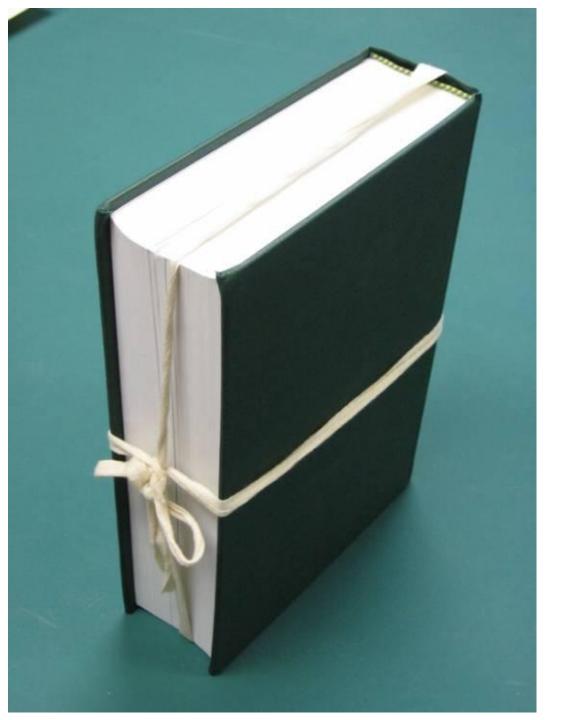


#### Second option: Box it!





After:



#### Third option:

Cotton or linen tape or polyester strap

Do not use on brittle materials! Fourth option:

Wrap in acid-free, lignin-free tissue



### Brittle rare journal or pamphlet?

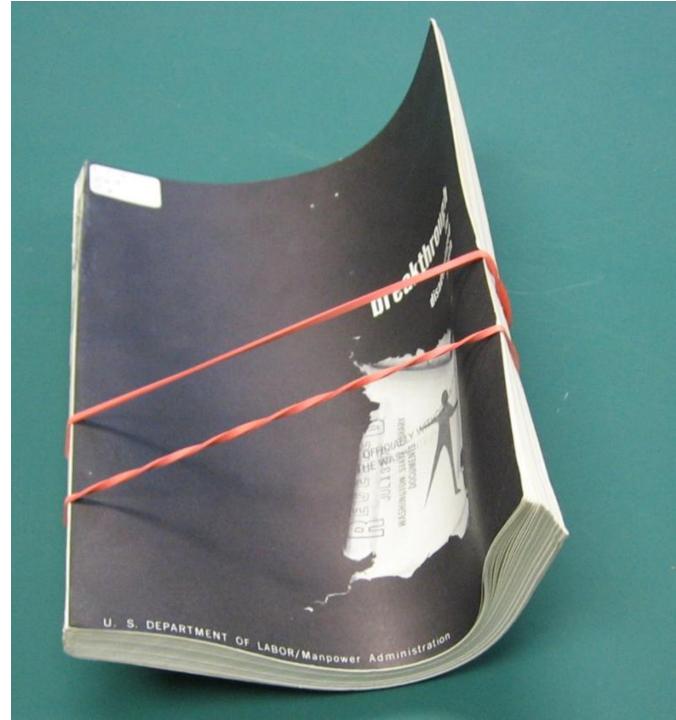


An envelope enclosure will make the problem worse

A portfolio binder will protect the item from further damage



## Never use twine or rubber bands!

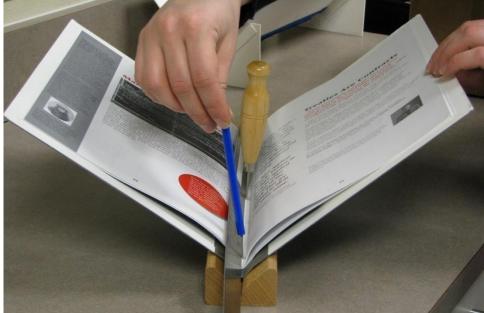


#### Non-brittle rare journal or pamphlet?



1. Mend any tears with Japanese tissue and wheat paste.

## 2. Sew into pamphlet binder.



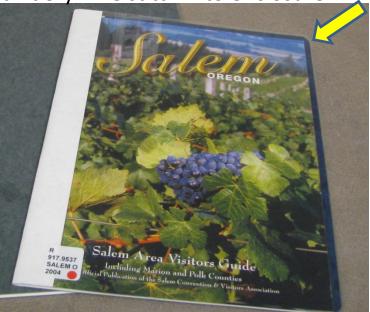
#### Non-rare journal or pamphlet?



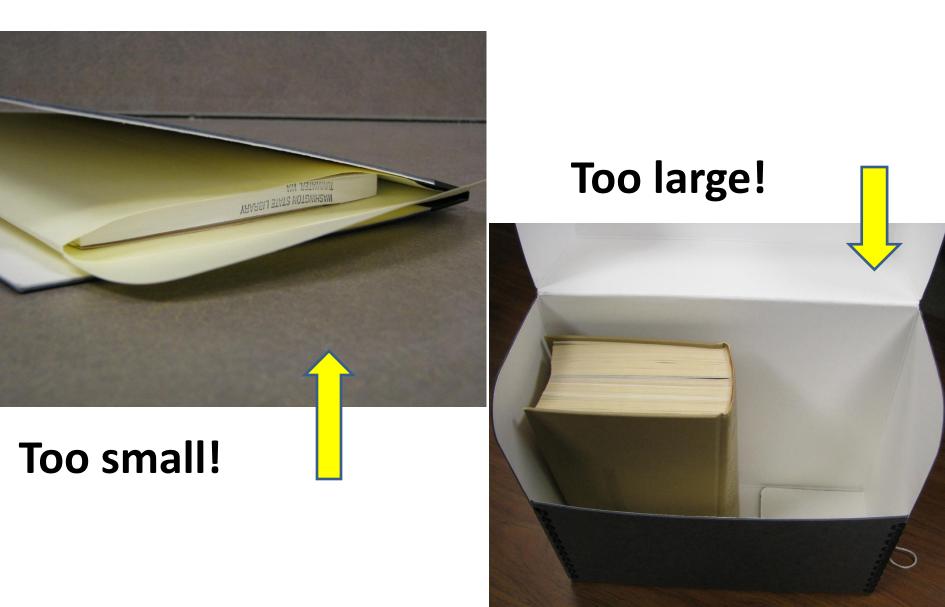
1. Mend any tears with document repair tape.

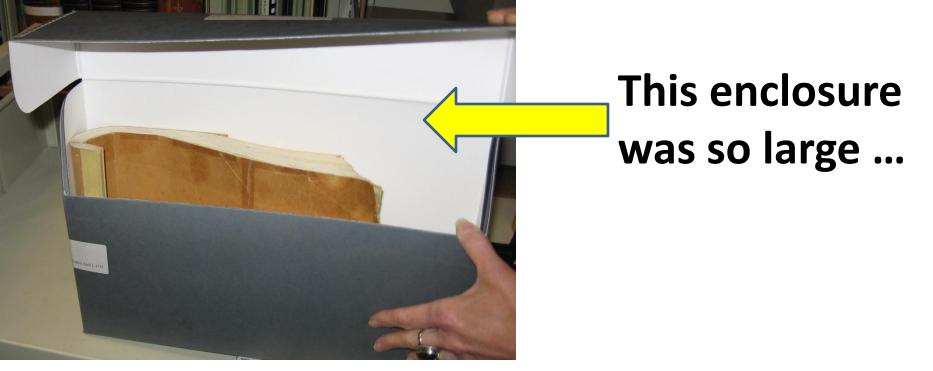


2. Staple into binder or have LBI bindery wire stitch into enclosure.

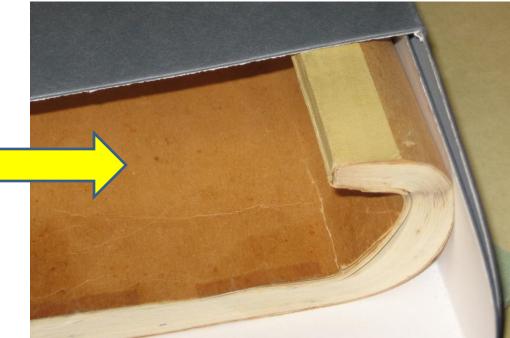


#### Make sure it fits!





the material inside became damaged. Note the "curl."



## What about a map, blueprint, broadside, sheet music, etc. (aka flat file)?

#### Wrong way!



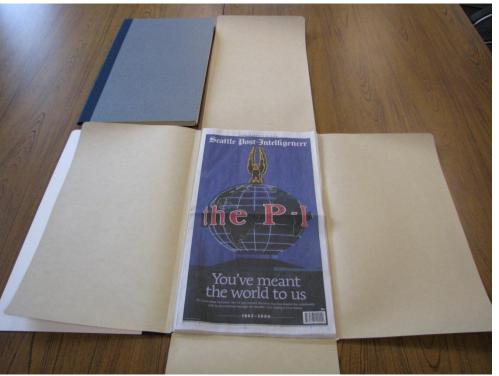
#### **Right way!**



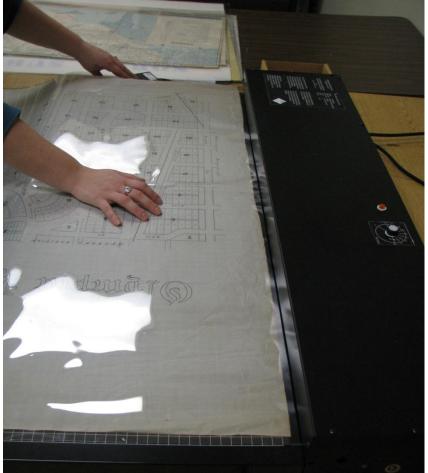
### Flat file enclosure choices

Acid-free, lignin-free folder and/or...

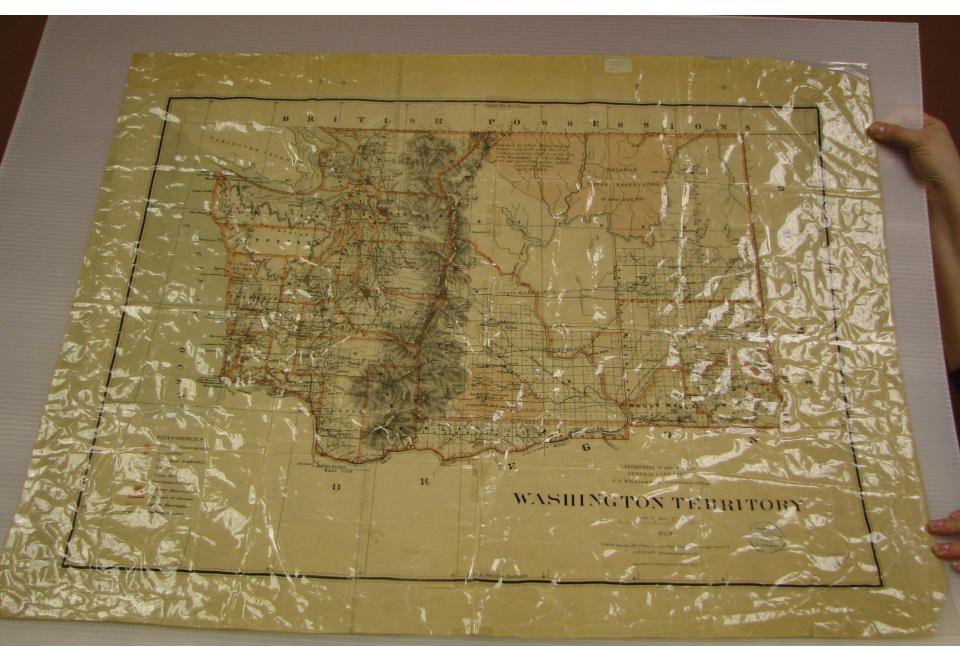
Portfolio binder and/or ...



#### **Encapsulate in polyester** (Melinex<sup>®</sup> 516 aka Mylar)



#### **Encapsulate – do not laminate!**



#### You, too, can encapsulate!



#### www.nps.gov/history/museum/publications/conserveogram/13-03.pdf

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#### What about friable materials?



#### http://www.cci-icc.gc.ca/crc/notes/html/11-10-eng.aspx

#### What about cyanotypes, blueprints, and ... ?



#### When do it yourself is not a good idea



Rare, historically significant, or valuable materials



#### Leave photographs to the experts!

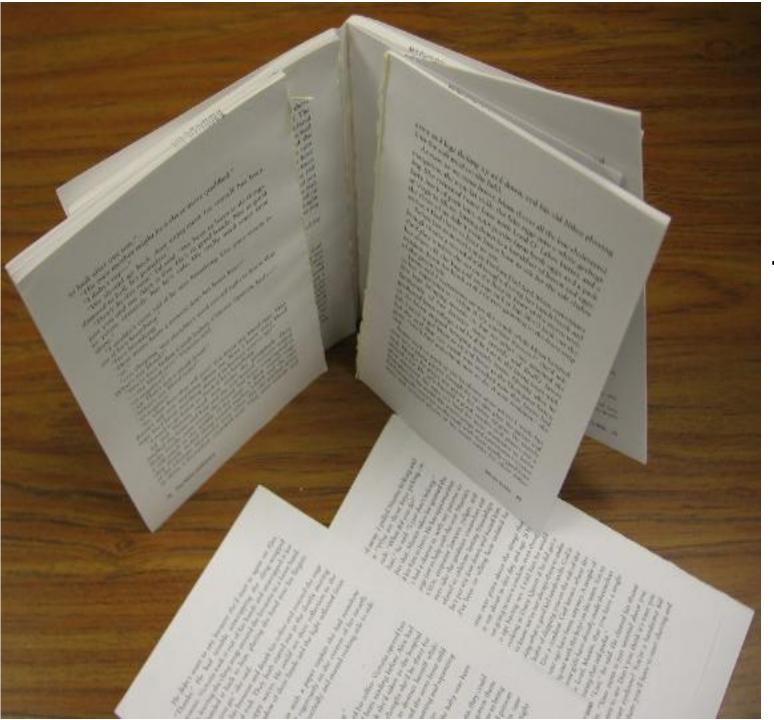


From Augustus Washington Daguerreotypes, American Colonization Society collection Daguerreotypes, Library of Congress.

# Watch out for cellulose nitrate film—it can be deadly!



www.nps.gov/history/museum/publications/MHI/AppendM.pdf



## The perfect binding!?!

#### Need help?





American Institute for Conservation of Historic and Artistic Works (AIC)

#### www.conservation-us.org

#### **NISO Standards**

#### www.niso.org/kst/reports/standards

#### **National Park Service**

Conserve 0 Grams Technical Leaflet Series

<u>www.nps.gov/history/museum/</u> publications/conserveogram/cons\_toc.html

#### Northeast Document Conservation Center (NEDCC) www.nedcc.org/home.php



#### Handy how-to Web sites:



#### **Conservation Kitchen series: borrow DVDs from WSL, ...**



#### Watch streaming media, or...

Washington Secretary of State			Enter Keywords	Search		
Washington State Library	Home	Washington Resources	Services to Libraries	Ask a Librarian		
	Home	Trasimigeon resources				
The Conservation Kitchen - Video Presentations & Handouts						
The Conservation Kitchen Part I - Basic Tools for <i>J</i>	Any Preservatio	on Recipe				
<ul> <li><u>Chapter 1</u></li> <li><u>Chapter 2</u></li> <li><u>Chapter 3</u></li> </ul> The Conservation Kitchen Part II - Wraps, Jackets <ul> <li><u>Chapter 1</u></li> <li><u>Chapter 2</u></li> <li><u>Chapter 3</u></li> </ul> Handouts <ul> <li><u>Conservation Kitchen - First Tuesday Presentation</u></li> <li><u>Conservation Kitchen - Repairs</u></li> <li><u>Conservation Kitchen - Supplies</u></li> </ul>	, and Boxed Tr	-				
<u>Conservation Kitchen - Preservation Websites</u> <u>Conservation Kitchen - Book Repair Bibliography</u> <u>Conservation Kitchen - IMLS Bookshelf</u> <u>Conservation Enclosures</u> <u>Conservation Supplies for Enclosures</u> <u>Some Sources for Enclosure Supplies</u>	!					
www.sos.wa.gov/li	brary/	conservatio	on kitchei	n.aspx		

# Enjoy the PowerPoint slides, chat, and audio on Opal GPO!

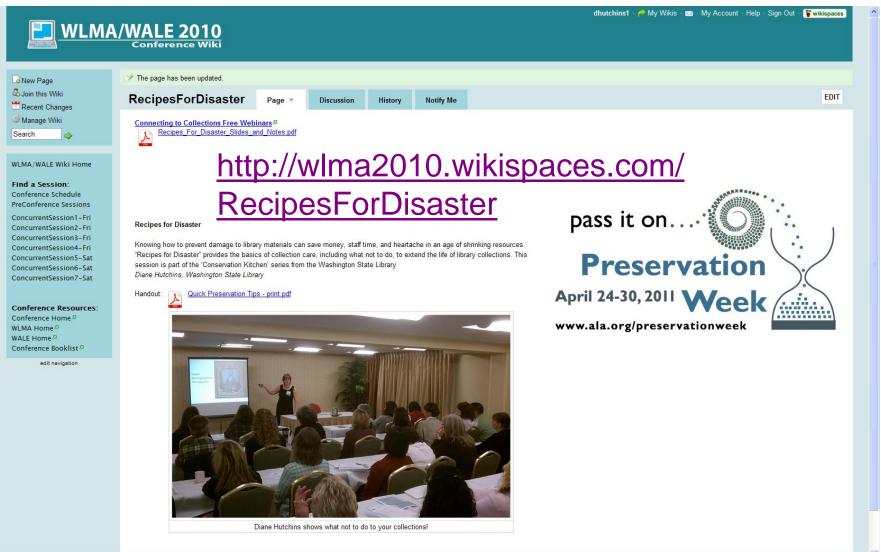
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		RGET THE BEESWA	X!	II       29:04       24:06       4-mill         Press "/" to pause or play. Press       the period key to fast forward and the comma key to rewind.         Text Chat Area
	<ul> <li>Run your thread through beeswax before you begin sewing. It will help to ease the</li> </ul>			

www.opal-online.org/archivegpo.htm

thread through

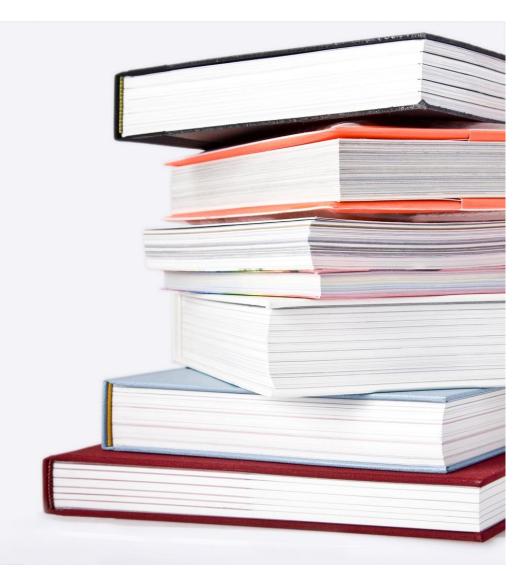
the paper!

#### Or visit the WLMA/WALE 2010 Conference Wiki for today's handouts



#### **Dartmouth University**

#### "A Simple Book Repair Manual"



www.dartmouth.edu/~library/preservation/repair/index.html

## Alaska State Library

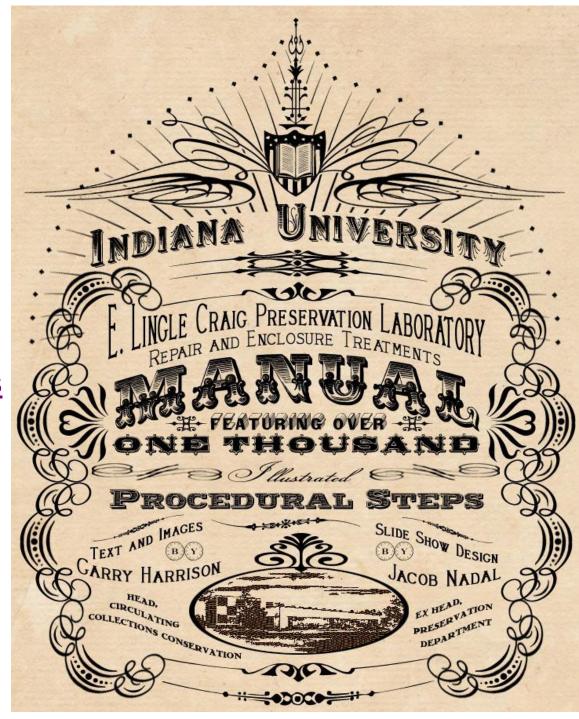


"Conservation Book Repair: A training manual" by Artemis BonaDea

www.library.state.ak.us/hist/conman.html

### Indiana University

www.indiana.edu/~libpres/ /manual/mantoc.html

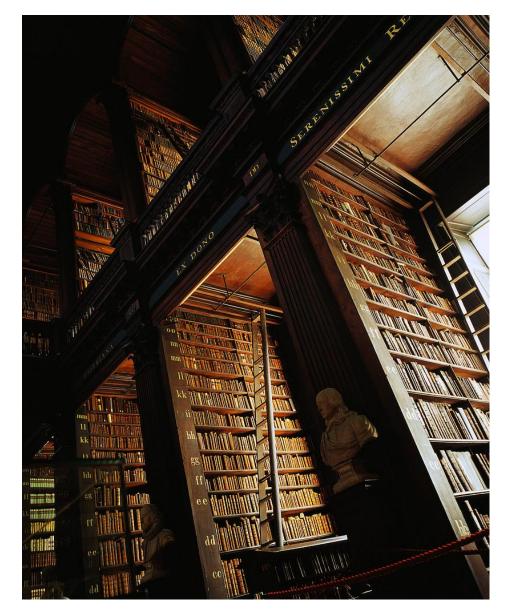




#### Caring for family treasures

## Cornell University

#### "Preserving Books in Your Home Library"



www.library.cornell.edu/preservation/publications/Prese rvingBooks.pdf

#### **Library of Congress**



#### www.loc.gov/preserv/familytreasures/index.html

#### **National Archives**

#### www.archives.gov/preservation/family-archives/

INITED STATES NATIONAL ARCHIVES EXHIBIT HALL ← THEATER ← OFFICES -RESEARCH RESERVED TOURS

Northeast **Document** Conservation **Center (NEDCC)** "Hints for **Preserving Family** Collections"



http://www.nedcc.org/resources/resources.php

# pass it on.... Preservation April 24-30, 2011 Week / www.ala.org/preservationweek

#### **Questions?**



E-mail me at: diane.hutchins@sos.wa.gov