

Determining and Communicating Environmental Requirements

Doris A. Hamburg

National Archives and Records Administration

March 16, 2006

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A large, diagonal tear runs across the right side of the page, exposing the reverse side of the paper. On this reverse side, there is handwritten text, including the number '10' and other illegible characters. The paper is aged and yellowed.



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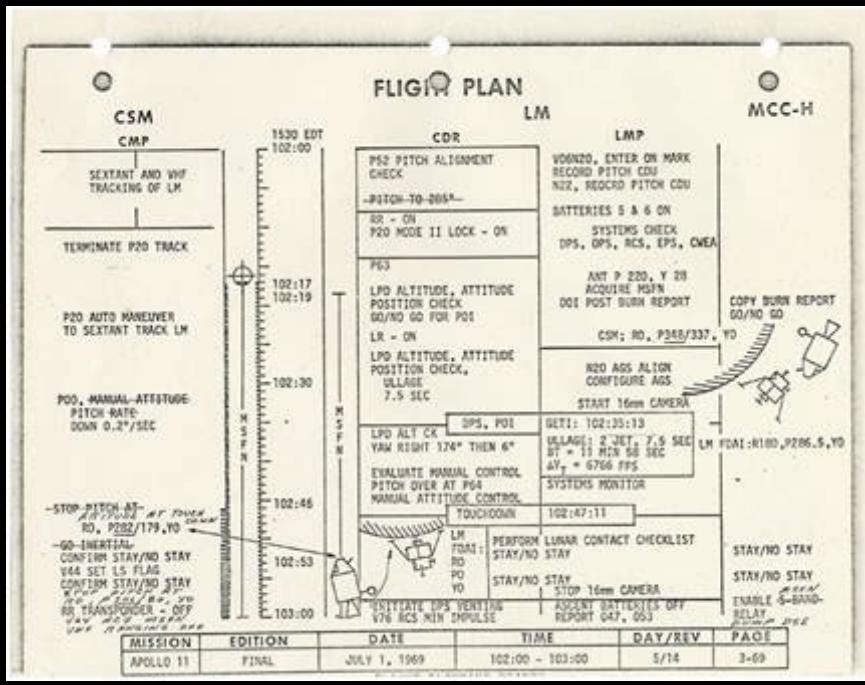




Check for the Purchase of Alaska



Original Design of the Great Seal of the United States (1782)



Apollo 11 Flight Plan



Louisiana Purchase Treaty



information

Winslow Homer
Key West, Hauling Anchor, 1903
National Gallery of Art





Eighty-ninth Congress of the United States of America

AT THE FIRST SESSION

Began and held in the City of Washington on Monday, the fourth day of January, one thousand nine hundred and sixty-five

The Act

To enforce the fifteenth amendment to the Constitution of the United States, and for other purposes.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That this Act shall be known as the "Voting Rights Act of 1965".

Sec. 1. In voting qualifications or procedures to voting, registration, or practice, or provision shall be imposed or applied by any State or political subdivision to deny or abridge the right of any citizen of the United States to vote on account of race or color.

Sec. 2. (a) Whenever the Attorney General initiates a proceeding under any statute to enforce the provisions of the fifteenth amendment in any State or political subdivision the court shall authorize the application of Federal provisions for the United States Civil Service Commission in accordance with section 5 to carry out such part of this and the more pertinent provisions as the court shall determine is appropriate to enforce the provisions of the fifteenth amendment. (1) as part of any remedial order if the court determines that the application of such measures is necessary to enforce such provisions or (2) as part of any final judgment of the court under such provisions of the fifteenth amendment, provided that the court need not enforce the provisions of such measures if any evidence of fraud or abridgment of the right to vote on account of race or color (1) has been for its number and have been promptly and effectively removed by State or local action, (2) the restraining effect of such evidence has been eliminated, and (3) there is no reasonable probability of their recurrence in the future.

(b) If in a proceeding initiated by the Attorney General under any statute to enforce the provisions of the fifteenth amendment in any State or political subdivision the court finds that a test or device has been used for the purpose or with the effect of denying or abridging the right of any citizen of the United States to vote on account of race or color, it shall suspend the use of such test and device in such State or political subdivision as the court shall determine is appropriate and he shall proceed as it deems proper.

(c) If in any proceeding initiated by the Attorney General under any statute to enforce the provisions of the fifteenth amendment in any State or political subdivision the court finds that violations of the fifteenth amendment justifying equitable relief have occurred within the territory of such State or political subdivision, the court, in addition to such relief as it may grant, shall retain jurisdiction for such period as it may deem appropriate and during such period no voting qualification or procedure to voting, or standard, practice, or procedure with respect to voting different from that in force or effect at the time the proceeding was commenced shall be adopted which will not be found by the court to be such qualification, procedure, standard, practice, or procedure that no law the purpose and effect are to deny or abridge the right to vote on account of race or color. Provided, That such qualifications, procedures, standards, practices, or procedures may be continued if the qualification, procedure, standard, practice, or procedure has been submitted by the chief legal officer or other appropriate official of such State or subdivision to the Attorney General and the Attorney General has not intervened in objection within sixty days after such



Gift to President Reagan from President of Algeria



President Lincoln

TO THE SENATE OF THE UNITED STATES:

Yesterday, December 7, 1941 -- a date which will live in infamy -- the United States of America was suddenly and deliberately attacked by naval and air forces of the Empire of Japan.

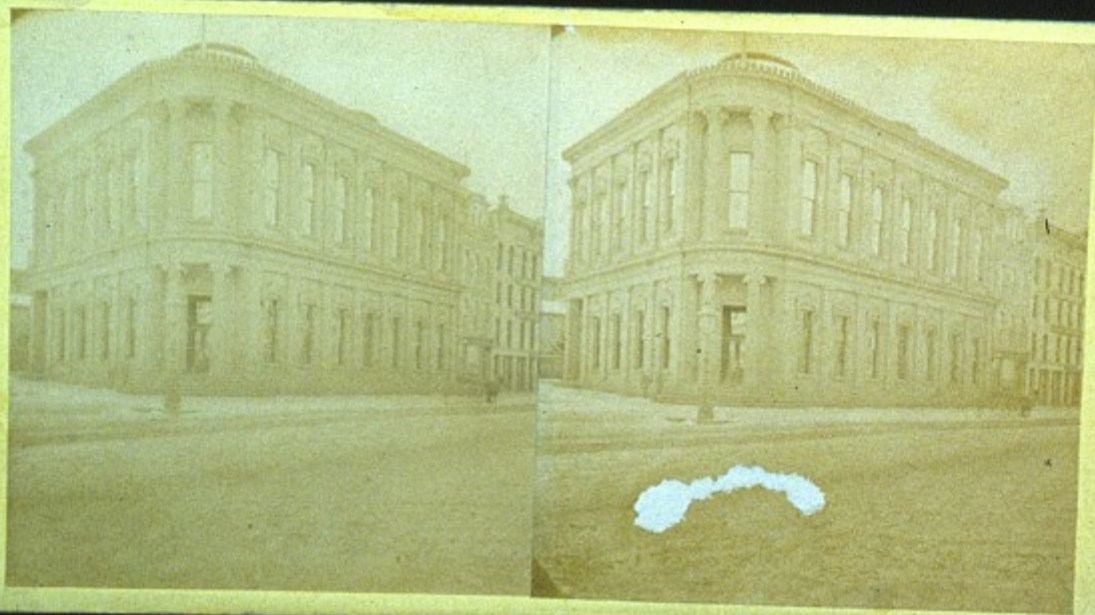
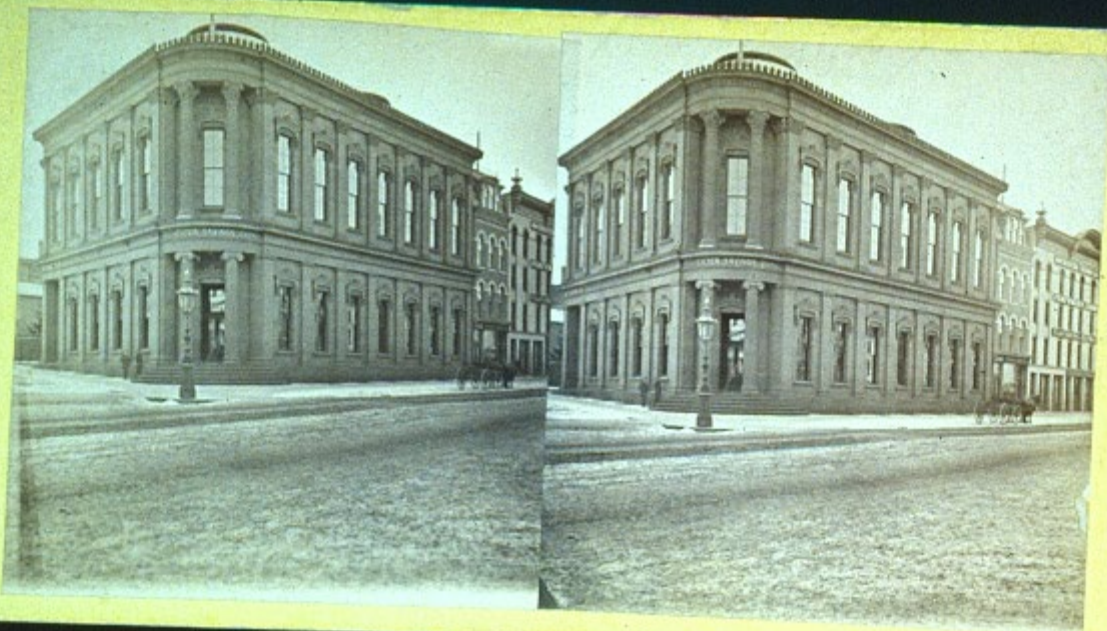
The United States was at peace with the nation and, at the solicitation of Japan, was still in conversation with its Government and the Emperor looking toward the maintenance of peace in the Pacific. Indeed, one hour after Japanese air squadrons had commenced bombing in Oahu, the Japanese Ambassador to the United States and his colleague delivered to the Secretary of State a formal reply to a recent American message. While this reply stated that it seemed useless to continue the existing diplomatic negotiations, it contained no threat or hint of war or armed attack.

It will be recorded that the distance of Hawaii from Japan makes it obvious that the attack was deliberately planned many days or even weeks ago. During the intervening time the Japanese Government has deliberately sought to deceive the United States by false statements and expressions of hope for continued peace.

The attack yesterday on the Hawaiian Islands has caused severe damage to American naval and military forces. Very many American lives have been lost. In addition American ships have been destroyed in the high seas between San Francisco and Hawaii.

Voting Rights Act

President Roosevelt's Day of Infamy speech following Pearl Harbor



Ideal

Practical

Low cost

Short term goals

High Risk

Long term goals

Low Risk

Most bang for the buck

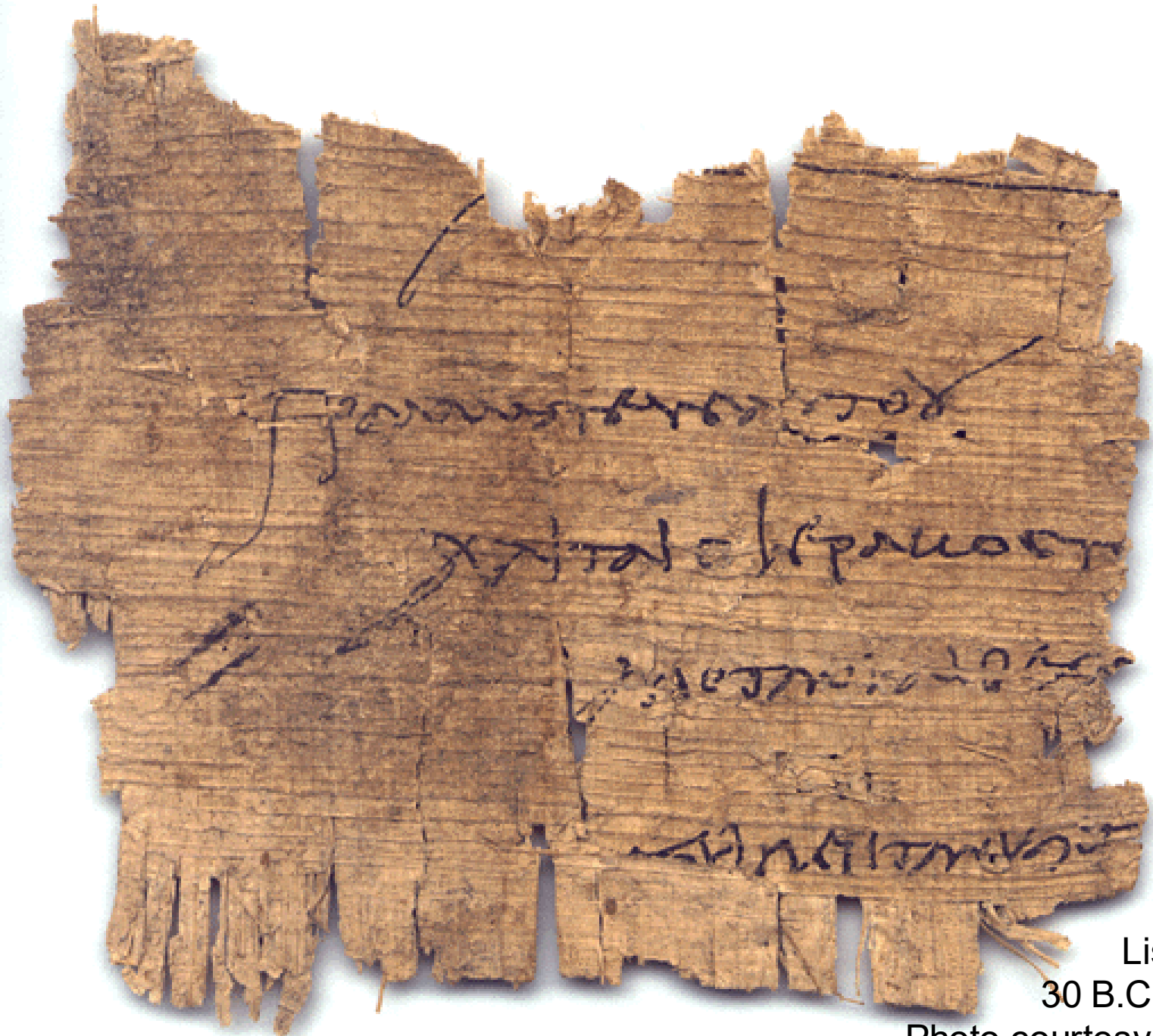
Goals

- What are we trying to achieve?
- What are our goals in creating the environment for our collection?
- How long do we wish to keep the collection items? Value of the items?



PAPYRUS PLANT

“...a sworn foe of oblivion”
Cassiodorus, 6th century



List of Candidates
30 B.C.-640 A.D. Egypt
Photo courtesy Duke University

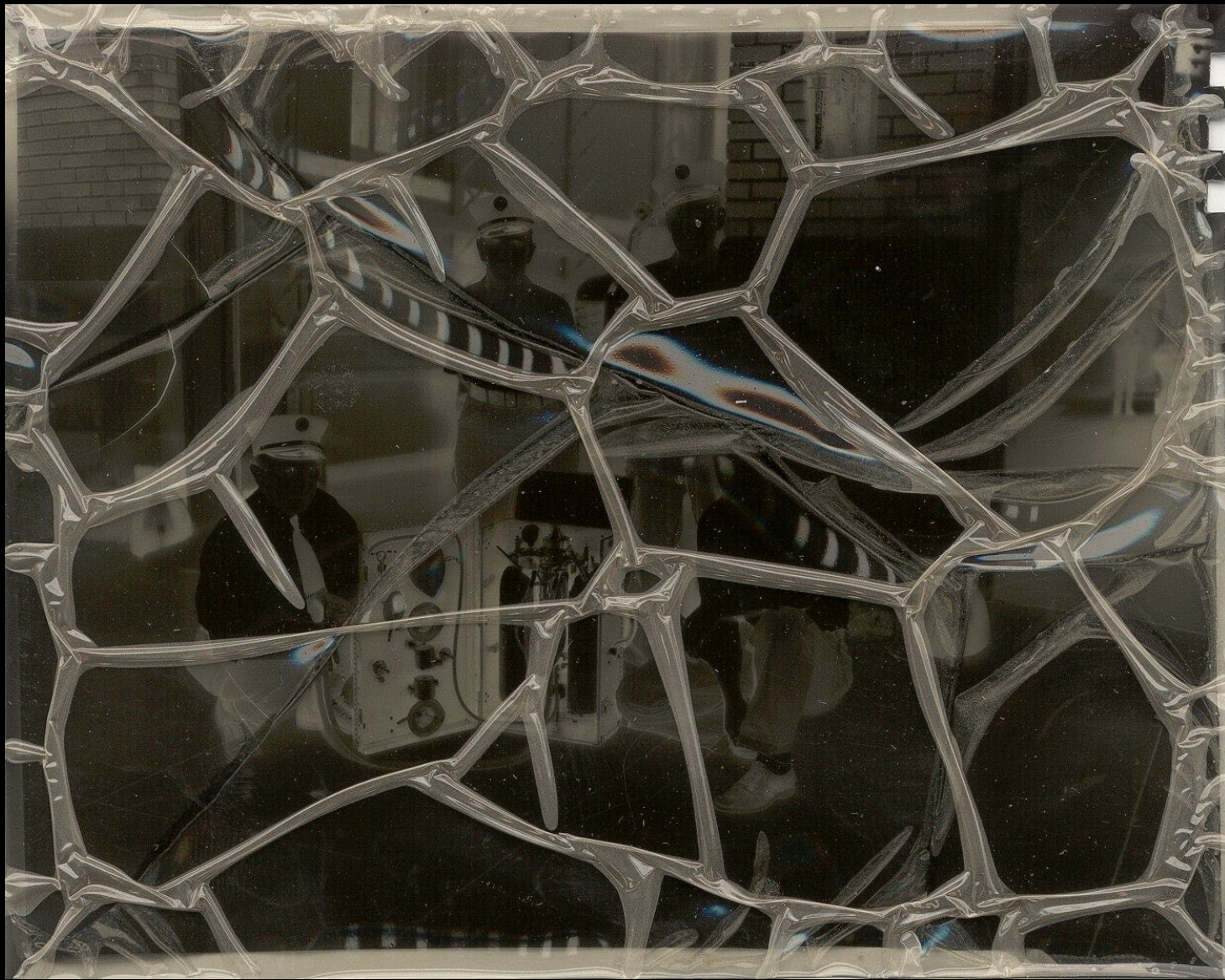
The Collection

What are the materials made of?

What are the stability and vulnerability of those materials?

What is their condition?

What are the needs of the collection so it will be preserved?



Cellulose Acetate Deterioration

Photo courtesy, www.ameshistoricalsociety.org

Glanz des Abendlandes

VON DR. JOHANNES KEILNER

Die Welt ist heute, wie die Welt vor Jahrhunderten, ein Kampfplatz. Die Welt ist heute, wie die Welt vor Jahrhunderten, ein Kampfplatz. Die Welt ist heute, wie die Welt vor Jahrhunderten, ein Kampfplatz.



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Wir spielen Picard

VON ROLAND BERNHEIM

Die Kunst hat, wenn man die Dinge so betrachtet, eine gewisse Ähnlichkeit mit dem Spiel. Die Kunst hat, wenn man die Dinge so betrachtet, eine gewisse Ähnlichkeit mit dem Spiel.



Portrait of a woman in profile, wearing a headscarf and a patterned dress.

Die Welt ist heute, wie die Welt vor Jahrhunderten, ein Kampfplatz. Die Welt ist heute, wie die Welt vor Jahrhunderten, ein Kampfplatz. Die Welt ist heute, wie die Welt vor Jahrhunderten, ein Kampfplatz.

Wiederschen mit Brideshed

KOMIK VON TONY WALK

Copyright by Charles A. Swartz, Inc., New York

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Small handwritten note or scribble.

peccata committuntur ad legem... Et cum legem...

quia non fecerunt... Quia non fecerunt...

De sancto Spiritu

De sancto Spiritu... Spiritus sanctus...

De sancto Spiritu... Spiritus sanctus... Quia non fecerunt...

De sancto secundo martire... Quia non fecerunt... Spiritus sanctus...

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De sancto secundo martire

De sancto secundo martire... Quia non fecerunt... Spiritus sanctus...

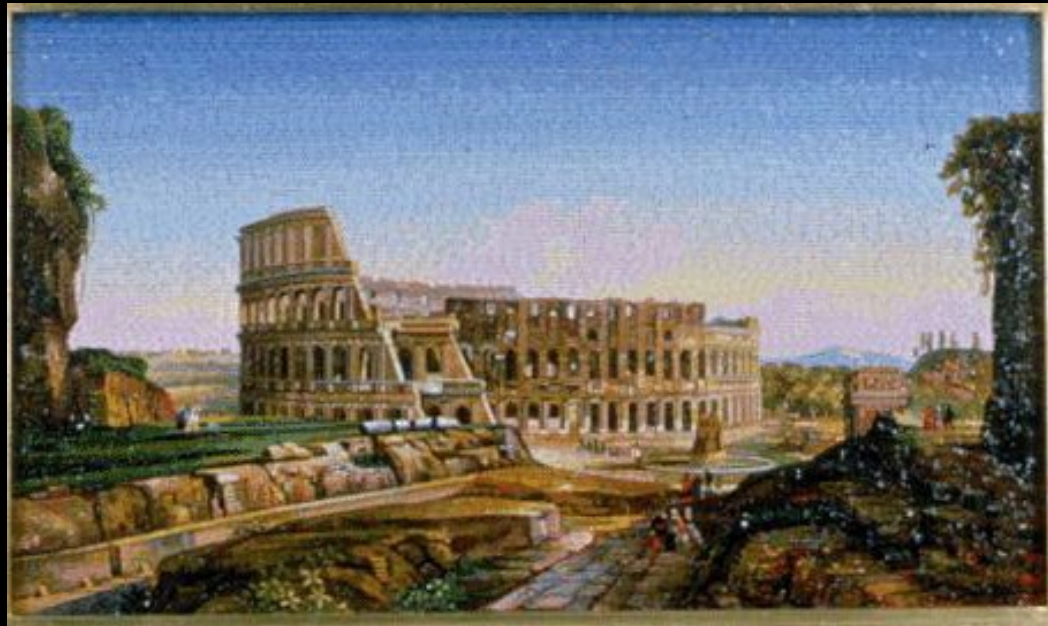


Alexander Calder
Big Bird, 1937
Photo courtesy
Calder Foundation, New York.





Presidential Gifts

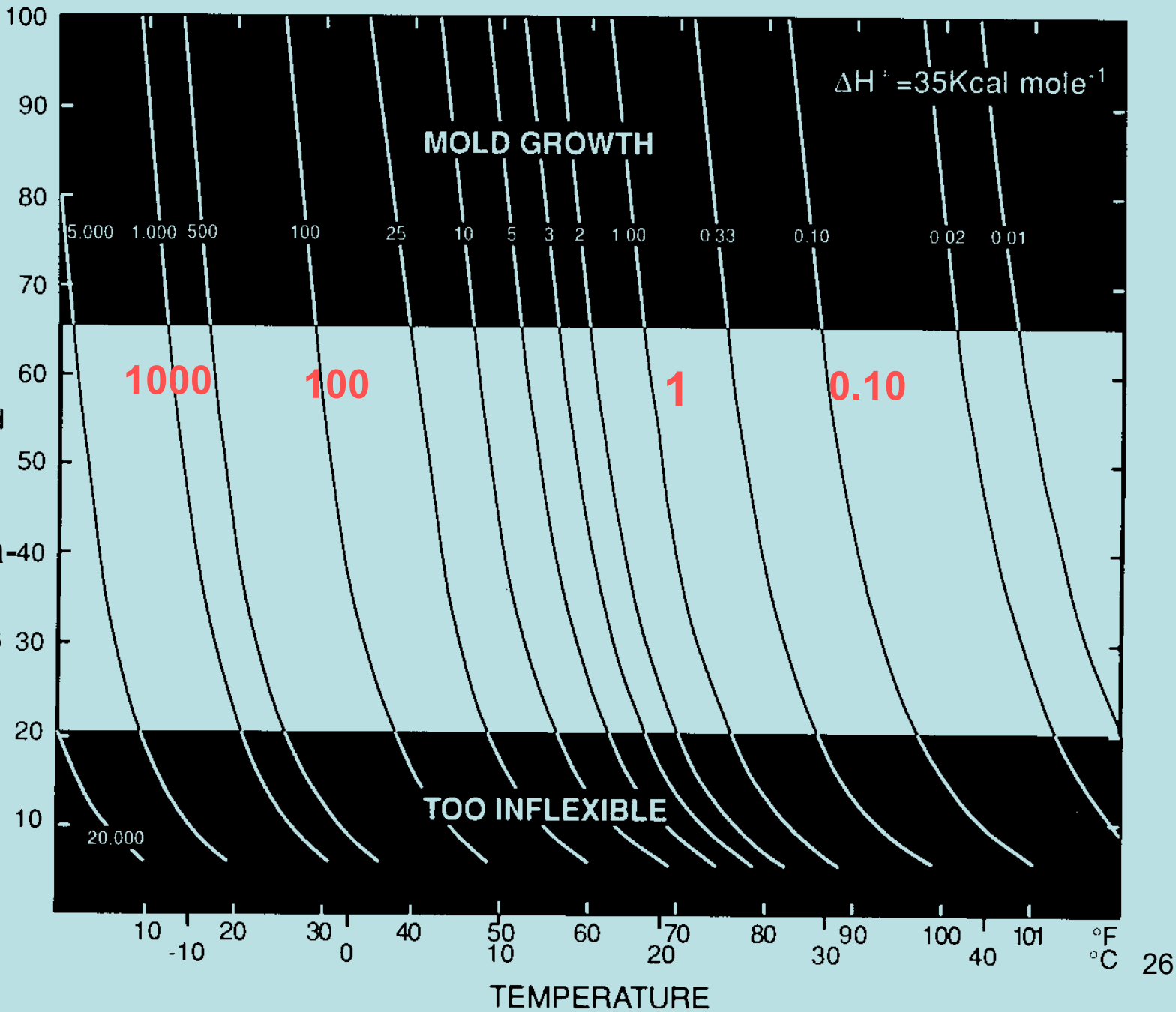


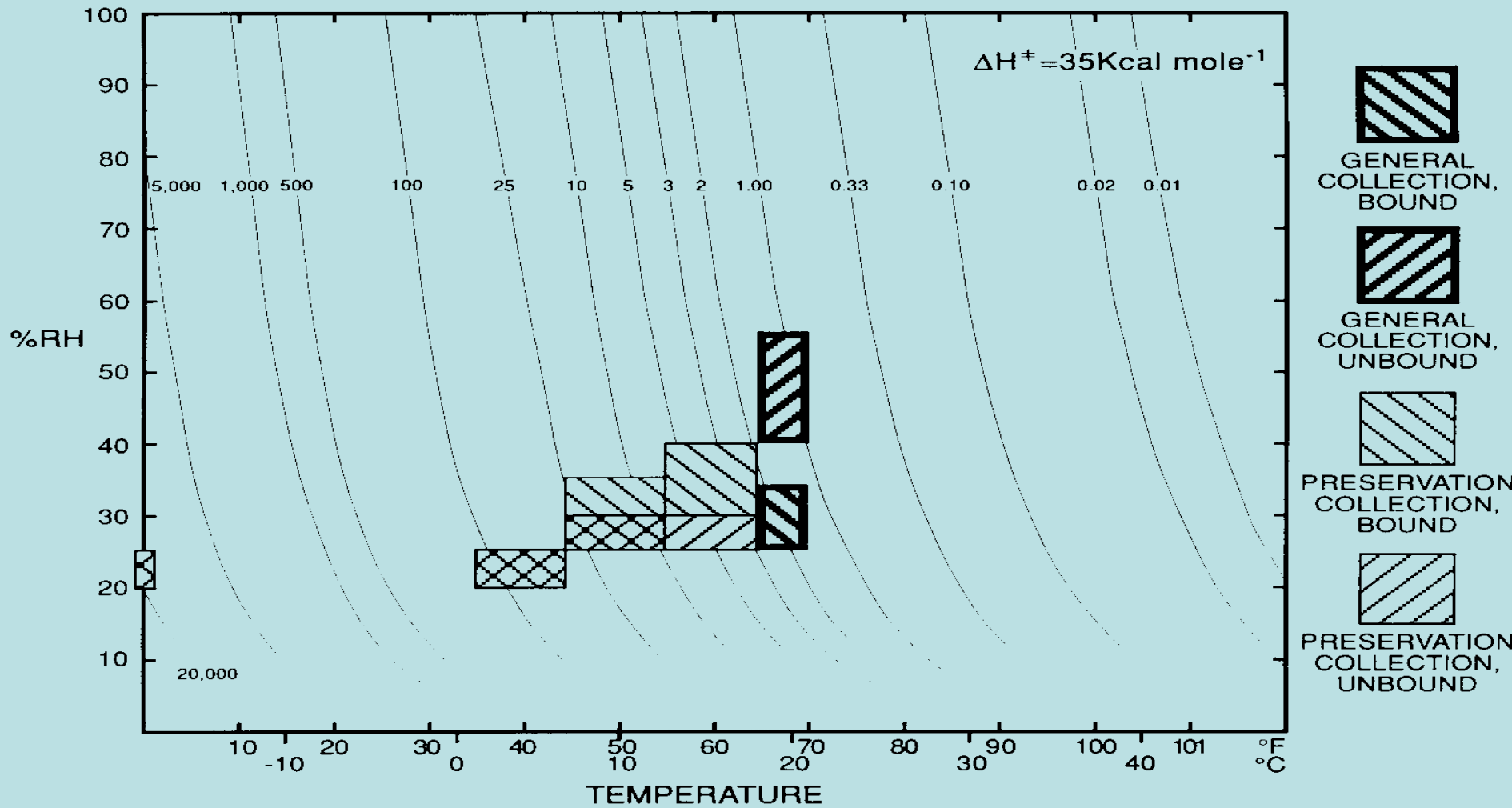
- Does the collection contain a mix of media with diverse chemical and mechanical characteristics and needs?
- What are the condition of the materials?
- How much of the useful life has already been used up?

- What is the level of access?
- How will the materials be used?
- Are there cultural considerations?

- What is the geographic and climatic setting?
- Is there an existing structure that affects potential options?
- What type of facility is involved: archives, vault, research library, historic house, warehouse?

D. Sebera
Isoperm
Diagrams





Environmental Guidelines for the Storage of Paper Records

William K. Wilson

NISO TR01-1995

National Information Standards Organization

Temp °F

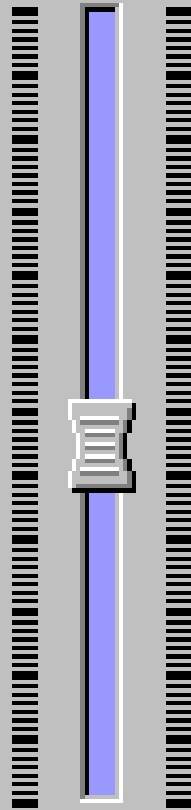
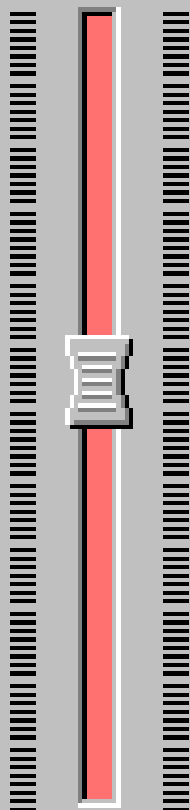
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WARM

% RH

45

MODERATE



Preservation Index (PI)

31

Years

Natural Aging Rate

FAST

Days to Mold Germination

No Risk

Exit

°F/°C

Use arrow keys or mouse to move sliders

[Visit the IPI Web Site](#)

Temp °F

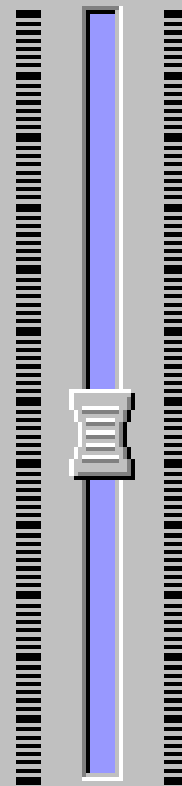
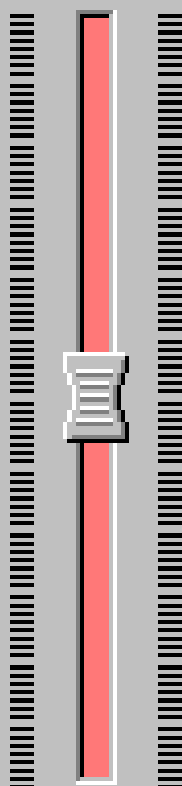
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ROOM

% RH

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MODERATE



Preservation Index (PI)

44

Years

Natural Aging Rate

MODERATE

Days to Mold Germination

No Risk

Exit

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Use arrow keys or mouse to move sliders

Visit the IPI Web Site

Temp °F

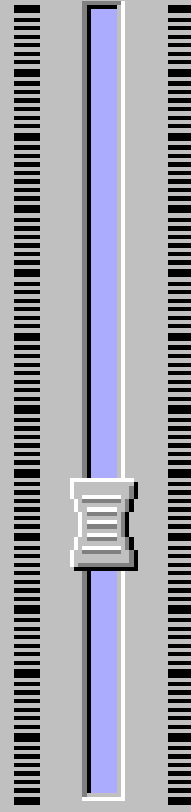
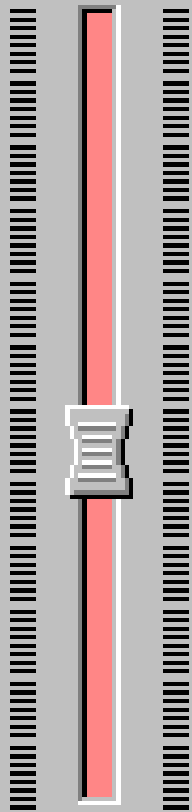
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COOL

% RH

35

MODERATE



Preservation Index (PI)

110

Years

Natural Aging Rate

SLOW

Days to Mold Germination

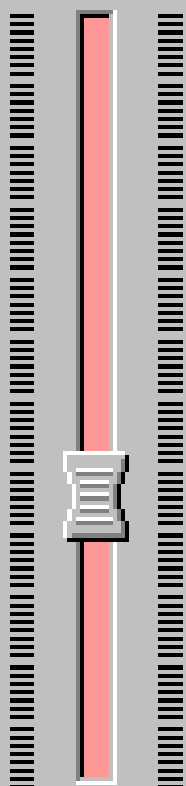
No Risk

Exit

Temp °F

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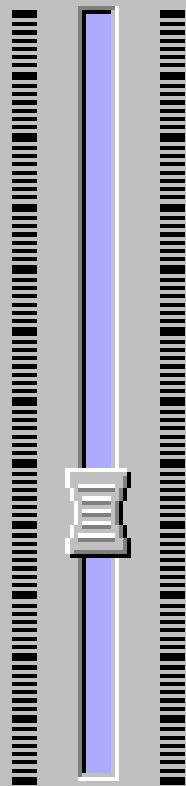
COOL



% RH

35

MODERATE



Preservation Index (PI)

244

Years

Natural Aging Rate

VERY SLOW

Days to Mold Germination

No Risk

Exit

*F/*C

Use arrow keys or mouse to move sliders

[Visit the IPI Web Site](#)







NARA scientists
performing research
and materials testing





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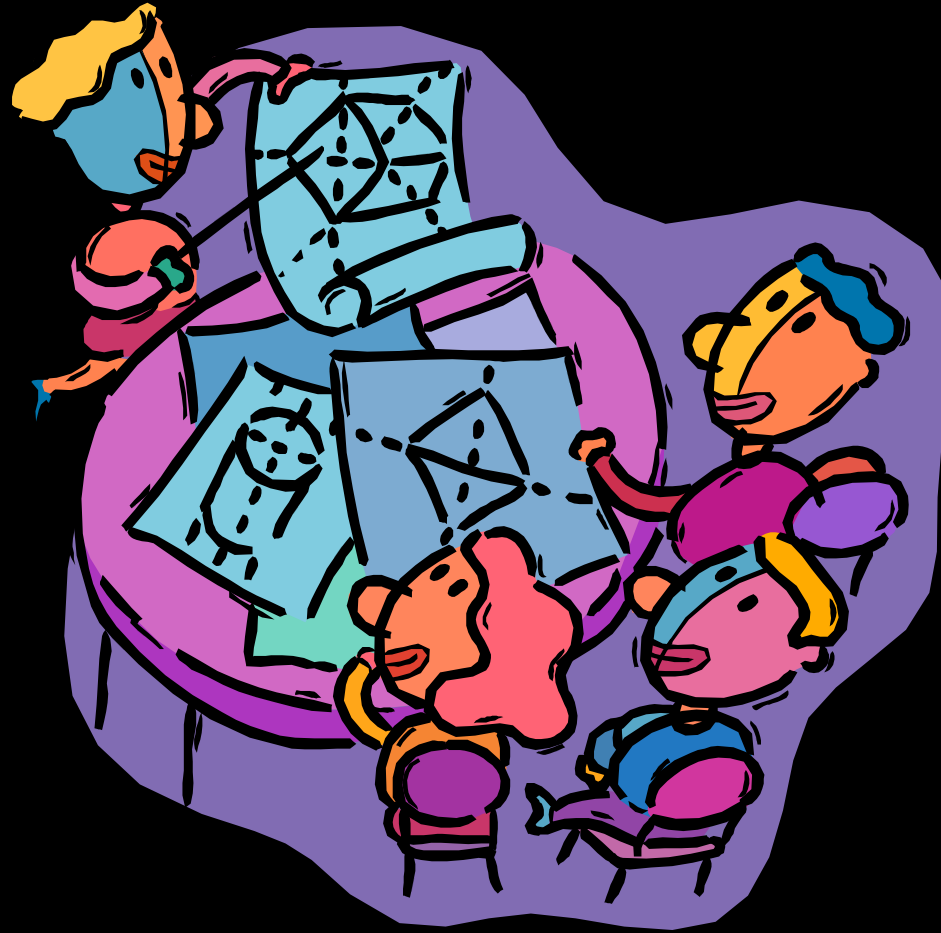




How Do We Proceed?

- We need to know our goals for preserving our collections.
- We need to know what the collections need to satisfy the goals for preserving the collections
 - We need to consider in our long term planning the fact that as collections deteriorate they lose “value” and the costs to preserve increase
 - We need to consider that the storage environment has the greatest potential to minimize preservation costs over the long term

- We need to acknowledge that there are limitations to energy and to budgets
- We must weigh the competing demands for resources with our priorities
- We need to know how building architecture and environmental systems can work together in an interrelated and supportive manner to create the most cost effective storage environments for the collections we are preserving



We need to bring all these considerations together to engage in a dialogue, working as a team that includes engineers, architects, conservators, archivists, curators, project managers and others.

➤ **Creative, cost effective solutions**

➤ **Dialogue**

➤ **Balance**

- **the goals and priorities for the collections**
- **the risks to collections and buildings**
- **realities of budgets and energy**

