One Acid-Free Box Fits All: Exhibitions that work for every archives

Who cares what's in the picture?: Creating an exhibit <u>about</u> photographic materials

Bryan Whitledge Clarke Historical Library, Central Michigan University

Resources for Photographic Exhibitions in Archives & Special Collections Bryan Whitledge, Clarke Historical Library Midwest Archives Conference, April 29, 2016

Preservation of Photographs:

NEDCC Preservation Leaflets – Section 5: <u>https://www.nedcc.org/free-resources/preservation-leaflets/overview</u>

CoOL (Conservation OnLine): http://cool.conservation-us.org/

Photographic Materials Group (PMG) of American Institute for the Conservation of Historic and Artistic Works (AIC): <u>http://www.conservation-us.org/publications/our-publications/specialty-group/photographic-materials#.VyDDoPkrKM8</u>

Identifying Photographic Types:

NEDCC Preservation Leaflets and CoOL (Conservation OnLine)

Preservation Self-Assessment Program (PSAP) from the University of Illinois Library: <u>https://psap.library.illinois.edu/format-id-guide</u>

Graphics Atlas from the Image Permanence Institute: http://www.graphicsatlas.org/

Learning About Photographic Processes:

NEDCC Preservation Leaflets, CoOL, Photographic Materials Group of AIC, Preservation Self-Assessment Program, Graphics Atlas

Eastman House - Notes on Photographs: http://notesonphotographs.eastmanhouse.org/

Alternative Photography: <u>http://www.alternativephotography.com/wp/</u>

Daguerreian Society: http://www.daguerre.org/

Chicago Albumen Works: <u>http://www.albumenworks.com/</u>



5 steps

- 1. Finding a topic
- 2. Researching a topic
- 3. Selecting materials
- 4. Arranging items
- 5. Writing labels and interpretive text



Louis Daguerre in a Daguerreotype and an iPhone camera





UPCOMING EVENTS VIEW ALL



TALKS | Conversation with Taryn Simon

Contemporary artist Taryn Simon will discuss her work currently on view in Taryn Simon: Birds of the West Indies, in a conversation with Nico Baumbach, film scholar and assistant professor at Columbia University School of the Arts.

READ MORE



Friday, April 29-Sunday, May 1, 2016



FILM SCREENINGS, SPECIAL EVENTS | The 2nd Nitrate Picture Show

This three-day film festival features screenings of vintage nitrate prints from international archives, talks, workshops, and other opportunities to experience the art and science of film preservation. Passes on sale now!

READ MORE

WORKSHOPS | Woods of Letchy

If you like camping, photography, this is

READ MORE

Constraints

- 1. Limits of the exhibit space size and harmful effects of the environment
- 2. Audience preferences and expectations
- 3. Budget
- 4. What is in the archives' holdings?

What is in the archives' holdings? Negatives





What is in the archives' holdings? Photographic Prints





What is in the archives' holdings? Direct Processes

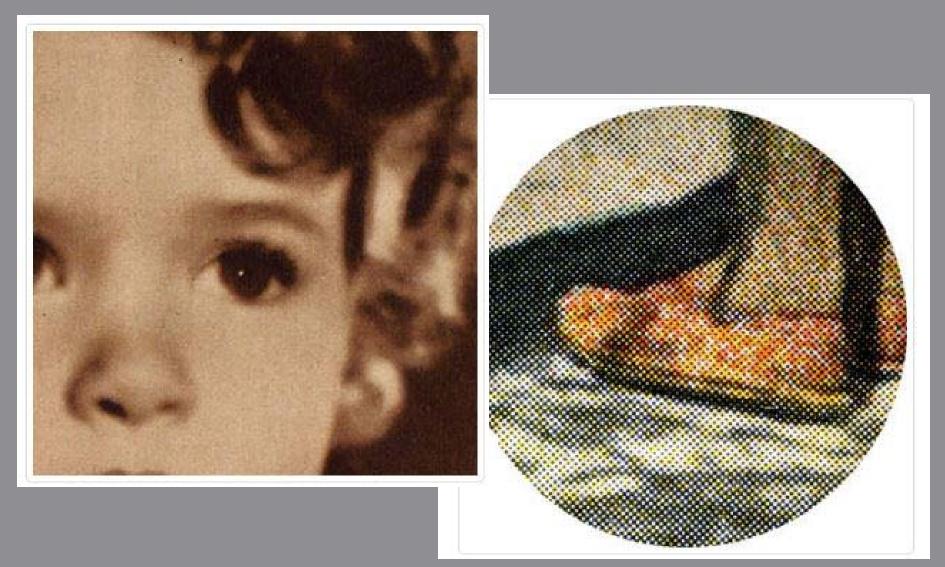


What is in the archives' holdings? Inkjet Prints and Digital Photography





What is in the archives' holdings? Photoreprographic Materials



What is in the archives' holdings? Deteriorating Examples





Constraints

- 1. Limits of the exhibit space size and harmful effects of the environment
- 2. Audience preferences and expectations
- 3. Budget
- 4. What is in the archives' holdings?
- 5. What can be borrowed?

What can be borrowed?



Planning the Exhibition

- Organization:
- Chronological
- By photographic process types
- Other themes?

Remember, play around, experiment, have fun – nothing is set in stone

Resources for expanding knowledge

Preservation of photographic materials:

- NEDCC Preservation Leaflets (Section 5)
- CoOL (Conservation OnLine)
- Photographic Materials Group (PMG) of the American Institute foe the Conservation of Historic and Artistic Works (AIC)
- Preservation Self-Assessment Program from the University of Illinois (U-C) Library

NEDCC Preservation Leaflets



Curriculum

Preservation Leaflets

Alas! Where are they now?

Author Unknown. Punch, Vol. 12, 1847, p. 143.

5.2 Types of Photograph

> 5.3 Care of Photographs

Bibliography

5.6 Storage Enclosures for Photographic Materials

Resources for expanding knowledge

Identification of photographic materials:

- NEDCC Preservation Leaflets (Section 5)
- CoOL (Conservation OnLine)
- Preservation Self-Assessment Program from the University of Illinois (U-C) Library
- Graphics Atlas from the Image Permanence Institute

Preservation Self-Assessment Program

FORMAT ID GUIDE - GLOSSARY BIBLIOGRAPHY

Moderate. Collodion is chemically unstable and very susceptible to abrasion, although they usually have a varnish or albumen coating that protects the surface. Do not attempt to clean the emulsion surface. Should always be protected from excessive humidity.

Common Size(s)

Non-standard plate dimensions vary to extremes.

Background

Collodion glass negatives were produced from 1851 to 1885 and were used primarily by professional photographers. The wet collodion process was sensitive enough for exposures to be done in only a few seconds; however, the plate had to be developed immediately while the collodion was still wet. Collodion "diry" plates were created to maintain the plate's sensitivity over a longer time by adding hygroscopic material. This dry plate process was also known as the Taupenot process. The wet collodion process remained more common and was used by some photographers well into the 180b, even after the emergence of the gelatind by plate process.

Storage Environment

Cool storage (below 50 degrees) is recommended, though cold storage should be avoided for glass based images. Allowable Fluctuation: ±5°F; ±5% RH

Temp.	40-68°F (4-20°C)	
RH	30-40% RH	

Storage Enclosure(s)

Acid-free enclosures and/or folders strongly advised. Each negative should have its own enclosure to protect it from dust, handling damage, and changes in environmental conditions. Glass plates in good condition are best stored in a four-flap enclosure made from archival-quality paper, sleeves and envelopes are acceptable. Broken plates or delaminating negatives should be stored flat in a sink mount, also made from archival paper. Position photo emulsion side away from seams in paper enclosures. Such seams (if any) should be on the sides of the enclosure, not down its center. All storage materials should pass the Photographic Activity Test (PAT) as specified in 1962:2007.

Storage Orientation

Store vertically with dividers between each plate. May also be stored horizontally (flat), especially the larger or fragmented plates. Enclosures and folders may be stored in hanging files or archival storage boxes. Be mindful of full weight in boxes and on shelves. Wood cabinets should be avoided. Enameled steel, stainless steel, or anodized aluminum are preferred.

Gelatin Glass Negative













SIGN IN

Graphics Atlas

Overview Common Use Dates: 18		Surface View	Magnification	Variations
Common Use Dates: 18	342-1950	Surface View	Magnification	Variations
Overview Common Use Dates: 18	342-1950	Surface View	Magnification	Variations
Common Use Dates: 18	342-1950	Surface View	Magnification	Variations
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Paper fibers clearly visible



Resources for expanding knowledge

Learning about photographic processes:

- Eastman House Notes on Photographs
- Alternative Photography
- Daguerreian Society
- Chicago Albumen Works

Alternative Photography

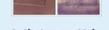
AlternativePhotography.com

Historical photographic methods in use today - the art, processes and techniques of alternative photography. Photography as it should be: hands on, fun and inspiring.

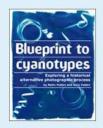


NOW IN EPUB FORMAT!





Anthotypes - Make photographs using plants.



Blueprint to cyanotypes

Processes How-To

Instructions and recipes on how to work in alternative photographic processes and non-silver techniques. Instructions are provided by photographers and teachers working in the process, written with a practical approach, so; enjoy learning a new process. Have fun! If you are new a good starting point is the cyanotype process and if you want an environmetally friendly process start with anthotypes.

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Albumen prints

Replacing the salt print process by the 1840's, albumen prints combine beaten egg whites with salt and potassium iodide for a higher definition photograph.



Anthotypes

A fun and easy way to make images using juice from fruits, plants, flowers and vegetables as both sensitizer and pigment! Practiced by Sir William

Herschel in the 1840's, this method is very

Bromoils & oil

Bromoils, oilprints, resinotypes and oleobroms: Early twentieth century processes which begins with a silver bromide print and ends with an oily or



inked print of alluring elegance.

Executing the Exhibition Plan

- Protect the materials Know the environment
- Find representative examples
- Interpretation

Broken Cases, Daguerreotypes and <u>Ambrotypes</u>, ca. 1840s–50s

From multiple collections

Broken Cases, Daguerreotypes and <u>Ambrotypes</u>, ca. 1840s-50s

On Loan, Courtesy of Al Wildey, CMU Department of Art and Design

Peeling and Cracking Background, <u>Ambrotype</u>, Harriet Thurston, ca. 1850s

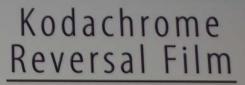
Thurston Family Papers

Executing the Exhibition Plan

• Interpretation continued

KODACHROME

TRANSPARENCY PROCESSED BY KODAK



•Kodachrome Film developed by Eastman Kodak

- First film to use a subtractive color method. The dye couplers that produce color are added during development resulting in sharper images because the light has fewer layers to pass through
- •Complex chemistry involved in processing meant Kodachrome was processed mostly by a small number of specialist Kodak labs
- •Valued for high contrast and balanced colors
- •In use 1935-2010s
- •High stability when stored properly

Unless otherwise noted, the images used in this exhibit are from Clarke Historical Library collection Courtesy of the the Clarke Historical Library

Kodachrome slide showing the construction of the Mackinac Bridge, 1957, Alfred Swanson Mackinac Bridge Construction Slides

PROCESSED BY KODAK

KODACHROME TRANSPARENCY

Exploring preservation

Preservation Measures

All of the steps taken in preserve photographic materials begin with understanding the various types of photographs and the inherent vices associated with each.

Environmental Controls The row reliable say to preserve angle form results the control of an environment, would be atteractive valiation, and air spatia.

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> Unless otherwise noted, the images used in this exhibit are from Clarke Historical Library collections Courtesy of the the Clarke Historical Library

Events to accompany an exhibit

Photography: Process, People, Preservation Open Soon



The Clarke Historical Library's next exhibit, "Photography: Process, People, Preservation," will be available for viewing September 10th. This exhibit delves into the history and development of photography, showing off many of the different types of photographic materials found in the Clarke as well as some interesting objects from people in the CMU community. The exhibit officially opens Thursday, September 18th and will continue until January. Make sure to stop by and take a look!

Fall Speaker Series

The Clarke Fall Speakers Series has been announced and can be found on the <u>Clarke Historical Library webpage</u>. We will have six speakers this fall, including two in September:

Al Wildey, opening the Clarke's Fall exhibit, "Photography: Process, People, Preservation"

September 18th, Al Wildey, Professor of Art and Design at CMU, will discuss the history of photography before the digital era as the Clarke Library opens their new exhibit, "Photography: Process, People, Preservation." The exhibit draws on the Clarke's rich photographic resources to discuss both the history of photography and the ways in which non-digital photographs can be preserved. Photographs aren't only great supplements for exhibitions.

They can be the exhibition.

Thank you -Bryan Whitledge, Clarke Historical Library