

Duke University Library
Conservation Lab
Perkins Library 031A

TREATMENT PROPOSAL FORM

Call No.: QB41 .P742 1540 4to	Lab No.: 2016/17-090	
Library/Dept.: Rubenstein	Author/Artist: Ptolemy	
Librarian: Andy Armacost	Title: Geographia vniversalis: vetus et nova	
Date Examined: 10/20/2016	Pub. Date: 1540	No. of pages: 195
Examined by: Henry Hebert	Size: H 32.5 cm W 22.2 cm T 4.0 cm	
Special instructions:		

Description:

Full brown calfskin binding, with panel designs in blind on the boards. Appears contemporary to the text. Evidence of two clasps, now gone, on the fore-edges of the boards. Original spine is missing. Evidence of manuscript and print waste transverse spine linings that extended onto the interior of the pasteboards. Worked blue and white endbands at head and tail. All edges trimmed but undecorated.

Textblock is letterpress printed in black ink on beige-colored laid paper. Sewn all along on 6 double tawed supports. Woodcut initials, decoration in text, and maps. Some manuscript in ink on front flyleaf and title page.

Condition:

Binding is in very poor condition. Evidence that it had been rebacked with brown goatskin before, but little of that repair leather remains. The original leather is quite thick, but brittle and crazing. Some minor cracking and losses along the board edges and corners. Paste boards delaminating at the corners. Both boards are detached, with the lower board only hanging on by sewing thread and small glued piece of the flyleaf.

Sewing appears intact and strong. Pages have light staining, surface dirt, and fingerprints throughout.

Treatment Proposal:

- Dry clean pages as necessary with white vinyl eraser crumbs.
- Mend front flyleaf and title page with toned Japanese paper and wheat starch paste.
- Remove reback leather from spine and boards.
- Line spine with Japanese paper to protect endband threads. Add linen transverse spine linings for new board attachment.
- ~~Reback~~ Reback again with dyed calfskin.
- Create custom cloth covered clamshell enclosure

+ MOVE DUKE BOOKPLATE

Estimated Treatment Time: 7 Hrs.

Proposed by:	<div style="border: 1px solid black; padding: 2px; display: inline-block;">SIGNATURE REDACTED</div>	(signature)	Date: 11/17/16
Approved by:	<div style="border: 1px solid black; padding: 2px; display: inline-block;">SIGNATURE REDACTED</div>	(signature)	Date: 11/17/16

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Date Examined:	Pub. Date:
Treated by:	Size: H cm W cm T cm
Special instructions:	

Treatment Performed:

- snipped thread & removed both boards
- lifted backplate from front pastedown.
- lifted leather along spine edge of boards. ~~removed~~
- released rear flyleaf from pastedown. w/ local humidification.
- ~~Removed~~ text-obscuring repairs w/ DI WATER in pen.
- mended edge tears w/ ~~untoned~~ tengujo + usp.
- ~~lined spine~~ Cleaned old leather off spine w/ ~~some~~ poultice
lined spine w/ untoned #m-57 + usp.
- split pasteboard w/ knife & adhered strips of kozo cotton inside.
- hinged boards onto spine.
- lifted leather around board corners, consolidated pasteboard w/ usp.
- covered pasteboard corners w/ untoned #m-57. infilled upper corner with blotter, usp.
↳ of first board.
- added additional kozo linings over the top of spine
- covered corners w/ dyed calfskin & re-adhered lifted leather w/ usp.
- Rebacked w/ calfskin
- mended internal hinge w/ untoned #m-57

Total Hours:

Treated by: _____ (signature)	Date:
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Special instructions:	

Treatment Performed:

- Before and after written and photographic documentation was produced.
- Cut remaining sewing thread to remove both boards from textblock.
- Lifted Duke bookplate from front pastedown and released rear flyleaf from rear pastedown with local humidification.
- Mechanically lifted leather along spine edge and corners of boards.
- Pages were dry cleaned using vulcanized rubber sponges and Staedtler-Mars white vinyl erasers.
- Removed text-obscuring paper tape repairs with light localized application deionized (DI) water.
- Mended edge tears in text with untoned Tengujo Japanese paper and wheat starch paste.
- Applied a 4% Culminal MC 2000 S Methylcellulose (Talas) in deionized (DI) water poultice to the textblock spine to remove remains of leather reback and clean spine.
- Delaminated pasteboard along spine edge of board with a lifting knife, adhered a strip of bias-cut airplane cotton inside with wheat starch paste and pressed to re-consolidate board.
- Boards were hinged onto the spine with airplane cotton and wheat starch paste.
- Added an additional spine lining of Kozo Japanese paper (Hiromi).
- The soft pasteboard corners were reconsolidated with wheat starch paste and infilled with layers of thick blotter. Corners and repairs were covered with untoned HM-57 Japanese paper (Hiromi).
- The spine was rebacked and corners were covered with Archival Book Calf (J. Hewit & Sons), dyed to match with sellaset leather dyes (Leather Conservation Centre).
- Original leather was re-adhered with wheat starch paste and consolidated with 4% Klucel-G in ethanol solution.
- The interior hinge at front and back was mended with HM-57, toned to match with Stabilo CarbOthello chalk-pastel colored pencils and adhered with wheat starch paste.
- A new cloth clamshell enclosure was constructed to hold the volume.

Total Hours: 9 hours

Treated by: SIGNATURE REDACTED (signature)	Date: 4/25/17
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