

The Built Works Registry and the Infrastructure to Support it

James Shulman



Cavenagh Bridge. CLOSE

- Information
- File properties
- Instructor notes
- Personal notes



Information

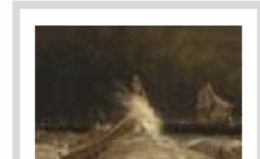
Field	Data
Title	Cavenagh Bridge.
Work Type	photos
Date	1900/1909
Subject	Malays street scenes people bridges vehicles animals Singapore
ARTstor Collection	Southeast Asia Visions: John M. Echols Collection (Cornell University Library)
Source	Title: From Edinburgh to India & Burmah Author: Burn-Murdoch, William Gordon, 1862- Publication Date: [1908] Place of Publication: New York Place of Publication: London Publisher: E.P. Dutton & Co., Publisher: G. Routledge & Sons Ltd. ; Page: 40A Southeast Asia Visions: John M. Echols Collection, Cornell University Library http://dlxs.library.cornell.edu/s/sea/

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Searches
 Page 1 of 1



Cavenagh Bridge.
1900/1909







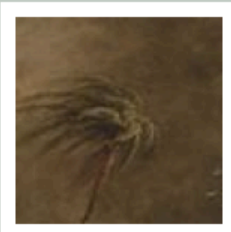






Madras, or Fort St. George, in the ... CLOSE

Information File properties Instructor notes Personal notes



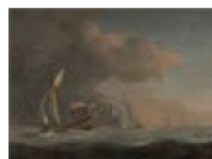
Information

Field	Data
Creator	William Daniell, 1769-1837, British
Title	Madras, or Fort St. George, in the Bay of Bengal -- A Squall Passing Off Approaching Storm, Madras
Work Type	Painting landscape; marine art
Date	1833
Material	Oil on canvas
Measurements	27 x 42 inches (68.6 x 106.7 cm)
Description	No inscription Signed and dated, lower left: "W. D. 1833."
Repository	Yale Center for British Art, Paul Mellon Collection
Accession Number	B1981.25.209
	Pauline Rohatgi, Indian life and landscape by Western artists, paintings and drawings from the Victoria and Albert Museum, 17th to the early 20th century, Chhatrapati Shivaji Maharaj Vastu Sangrahalaya, Mumbai, 2008, pp. 245-49, fig. 2, N8214.5 I5 V53 2008 + (YCBA); Morna O'Neill, Company culture, British artists and the East India Company 1770-1830 : October 16, 2003-January 11, 2004., Yale Center for British Art, New Haven, 2003, no. 25, V 1199 (YCBA); Mary Webster, Johan Zoffany, 1733-1810, Yale

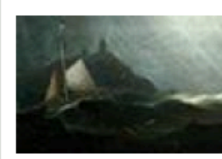
Help

Go to advanced search


tion to view full record.




English Royal Ya...
Studio of Willem ...
ca. 1689





Storm at Sea
Robert Salmon
1840



Storm
Capta
19th







Sample problem:

- Core data
 - Falling Water or *Fallingwater*
 - *Kaufmann* or Kauffman House
 - Edgar J. Kaufmann Sr. Residence or Kaufmann Desert House
 - *Frank Lloyd Wright* or Richard Neutra ?
 - *Mill Run* or Bear Run?
- Enhanced data
 - Geo-code
 - Dates
 - View
 - Type



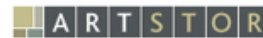
Sample data

Field	Data
Creator	Wright, Frank Lloyd, 1867-1959
Title	Bear Run: Fallingwater: plan
Date	1935-38
Location	Bear Run (Pa.)

Subject	Field	Data
ARTstor Collection	Creator	Wright, Frank Lloyd (American, 1867-1959)
Source	Title	Falling Water (Kaufmann House)
Rights	Work Type	Architecture
	Date	1936-
	Location	Bear Run (Pa.)
	Style Period	Modernism
	Description	Image View
	Collection	Columbia University
	ID Number	Pub-0074
	Source	Image and Architecture Saskia, Ltd.
	Rights	Restricted to University. This image is user of the ARTstor has disclaims any legal obligations. Contact for more

Field	Data
Creator	Wright, Frank Lloyd (1867-1959), American
Title	Fallingwater View Description: exterior
Work Type	House
Date	Creation date: 1935-1936
Location	Mill Run, Pennsylvania, United States
Material	construction: stone, metal, concrete
Style Period	Modernist
Subject	Architecture, Modern --20th century Dwellings Cantilevers Waterfalls Architecture --United States National Historic Landmarks Program (U.S.) Houses Kaufmann, Edgar J., 1885-1955
ARTstor Collection	SAHARA
ID Number	Record: 117377
Source	Photographer: Smith, G. E. Kidder (George Everard Kidder) Massachusetts Institute of Technology
Rights	(c)Rotch Visual Collections; Kidder Smith Collection All rights reserved by copyright owner; consult Rotch Visual Collections: http://libraries.mit.edu/rvc/index.html Wright: © 2008 Frank Lloyd Wright Foundation / Artists Rights Society (ARS), New York

BUILT WORKS REGISTRY (BWR)

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Avery Architectural
& Fine Arts Library



ARTstor and Avery Architectural & Fine Arts Library Awarded IMLS National Leadership Grant

May 13, 2011 by GiovanniGF

The Built Works Registry (BWR) is a joint endeavor of the Avery Architectural & Fine Arts Library at Columbia University, ARTstor and Getty Research Institute (GRI). BWR was awarded a three-year National Leadership Grant from the Institute of Museum and Library Services (IMLS).

The funds will be used to support the new Built Works Registry (BWR), a community-generated data resource for architectural works and the built environment. BWR will be available to scholars and catalogers from academic and cultural heritage organizations worldwide. BWR data will also be contributed to the Getty Research Institute's planned Cultural Objects Name Authority (CONA).

For more information about the 2010 National Leadership Grants, go to the [IMLS](#) website.

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BWR PEOPLE

BWR Project Directors &
Advisory Council
BWR Project Working Teams

BWR PROJECT PARTNERS

ARTstor
Avery Architectural & Fine
Arts Library
Getty Research Institute
Institute of Museum and
Library Services

NEWS & PUBLICATIONS

BWR Year-One Progress
Report

<http://builtworksregistry.wordpress.com/>

BWR partnership



The Getty Research Institute

“New partnerships will result from collaboration and coordination among a wide array of stakeholders. This will realize workflow efficiencies and minimize redundancies between and among entities that create and use both authority and bibliographic data...”

Report of the LC Working Group on the Future of Bibliographic Control (2008)

BWR project goals

- Construct a registry for architectural works and the built environment
- Develop unique IDs & trusted data records for registered works
- Reduce redundancy by providing a networked source of authoritative data
- Develop a collaborative community plan to seed, build upon and edit a shared record

Policies

- Project partners +
- BWR Advisory Council
 - Canada, Germany, India, Italy, Japan, Taiwan, Turkey, UK, US
- 18 scholars, curators, librarians, & technologists representing diverse specializations in academic & cultural institutions:
 - Museums: *MoMA, AIC, Smithsonian, National Palace Museum Taipei*
 - Libraries: *Columbia, Cornell, Harvard, Yale, NYU, Colby, UMiami, Illinois*
 - Research institutes: *Courtauld, Max Planck, Inst. For Museum Research*
 - Organizations: *RIBA, World Monuments Fund, SAH, IFLA*



ARTstor Digital Library Today

- Founded by The Andrew W. Mellon Foundation in 2001
- Independent nonprofit organization since 2003
- Launched in July 1, 2004
- 1.6 million images and growing
- 200+ museum & special collections
- Museums, archives, libraries, artists, artists' estates, scholars, photographers
- Password-protected database restricted to educational and scholarly users

Associated images – What are instructors teaching?

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[252] Record(s) Sort by: Title Creator Date Page 1 of 11

Click caption to view full record.

Associated Images

IAP Altar Tableau: Queen...
18th century

IAP Pendant Mask: Iyoba
16th century

IAP Helmet Mask (Gelede).
20th century

Head of an Oba
19th century

IAP Hip Ornament: ...
16th-19th century

IAP Altar to the Hand of...
18th-19th century



ARTISTOR

NIGERIA. BENIN. Tribe ceremonies, evoking the ...
Bruno Barbey
1978



◀◀ 36 of 37 ▶▶



27.5%

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* [TERMS & CONDITIONS](#)

Narrow your results

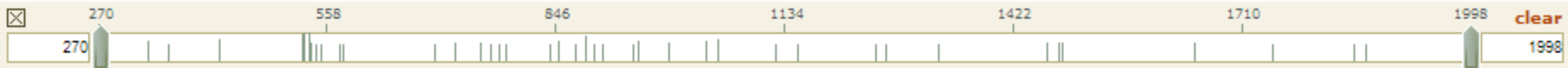


Sort by **Relevance**

Images/page **24**



Page **1** of 13



294 result(s) for **"hagia sophia"**

Click image to select. Double click to enlarge. Click caption to view full record.



Madonna and Child, ...
12th c.



Constantinople, H...
c. 1122



Hagia Sophia
Anthemius of Tra...
532-537



Hagia Sophia
Anthemius of Tra...
532-537



Hagia Sophia
Anthemius of Tra...
532-537



Hagia Sophia
Anthemius of Tra...
532-537



Hagia Sophia: west ...
Anthemius of Tra...
532-537



Hagia Sophia
Anthemius of Tra...
532-537



Constantinople, H...
895-913



Constantinople, H...
after 1264 (vari...



Constantinople, H...
1028-42 (c. 1030; ...



Constantinople, H...
late 9th C



Constantinople, H...



Constantinople, H...



Theoklitos (Virgin...



Scene from the



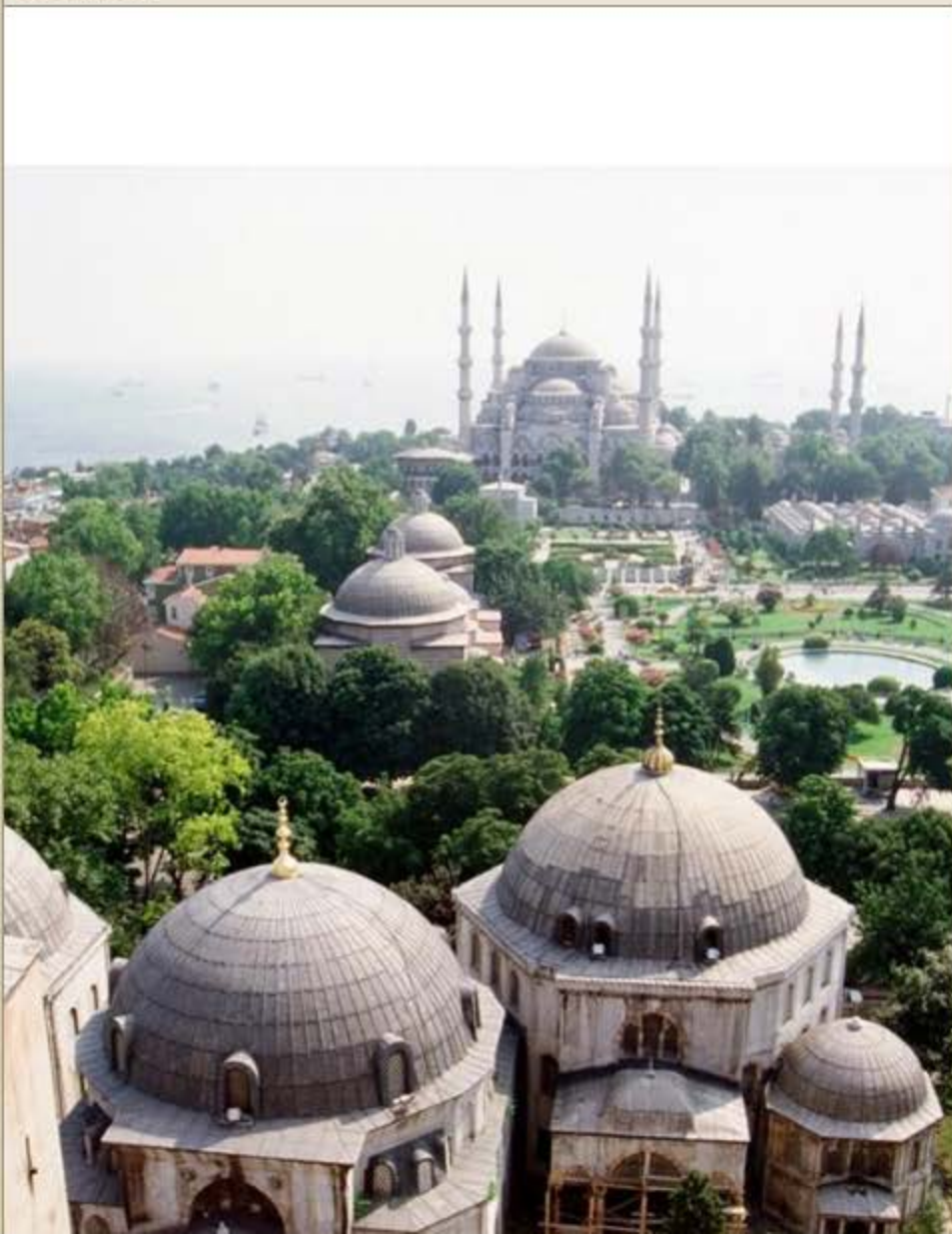
Anastasia



Calixtus of Genoa

[Set as master](#)

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Creator

Culture

 The Islamic World

The Islamic World
AAT ID 300021516

Title

Image View Description

Image View Type

Faculty Requestor

Date

Image Date

Style/Period

Creation/Discovery Site

Location

 Istanbul, Marmara, Turkey

Istanbul
TGN ID 7002473

Pending

1 asset(s) pending publication:

[Sample University Visual Resources Collection](#)

[View Status](#)

Simple Cataloging Screens

Featuring the Getty's ULAN & TGN vocabularies

SHARED SHELF Version 0.4.3


Signed in as admin001@university.edu | Sign out | Help

Project: SSID 75276 sheldon.jpg


Name: Set as master Paste from master


Help | Cataloging Screen: Faculty

Title: Sheldon Museum of Art

Creator:  Johnson, Philip (American architect, critic, and collector, 1906-2005) < Male >
Source: Getty

Photographer:

Location: Lincoln, Nebraska, United States
 [Lincoln](#)
TGN ID: 2001371 [Link](#)



Close

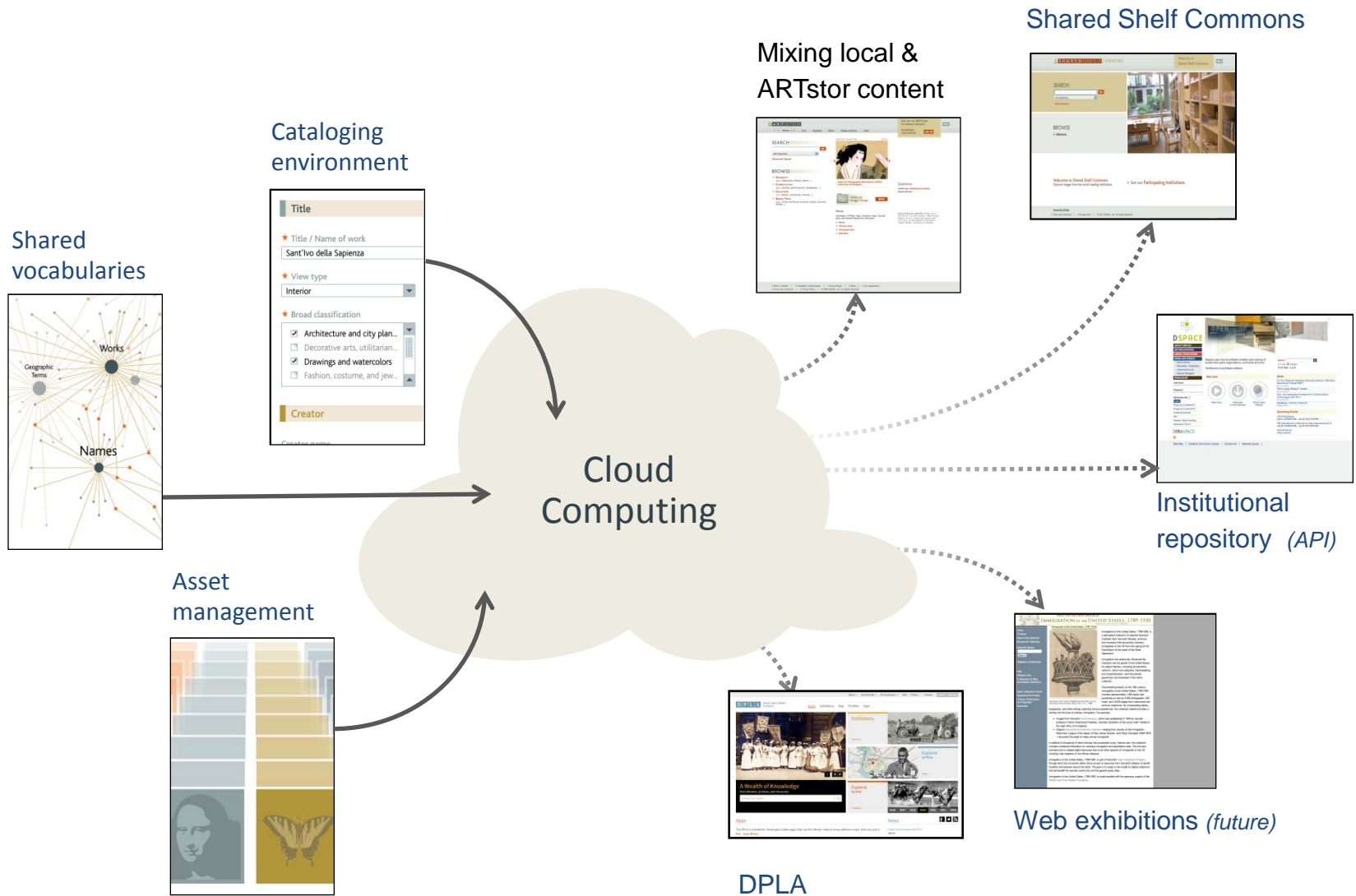
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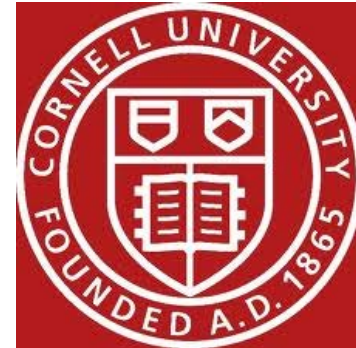
Publishing Activity Monitor

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Local Content and Shared Shelf Infrastructure



Content



AVIADOR
Videodisc Index

BWR 'seed' content

□ Goal: registry of ~100,000 unique identified built works

□ Identify, extract, & verify data from five sources:

- Harvard's Olivia 2.5M > 392,917 > **55,621**
- Cornell's Pictor 24K > 13,847 > **1,611**
- Avery's AVIADOR 40K > **4,878**
- Avery Index 650K records = subject term strings **~433,131**
- ARTstor 1.4M records = built work image records **~70,000**

Content development

Aggregate

Disambiguate

Normalize

Enhance

- CONA merge tools: *Loader & Processor*
- ARTstor parsing tools
- Google Refine

Field Name	AVIADOR	Harvard	Cornell	Avery	ARTstor
Title/Name of Building	Fallingwater, Kaufmann House	Fallingwater, Edgar J. Kaufmann House, Kaufmann House	Falling Water, Edgar J. Kaufmann Residence	Fallingwater (Kaufmann house).	Fallingwater, Edgar J. Kaufmann House, Kaufmann House
Location	Bear Run, (Pa.)	Bear Run, Pennsylvania, United States	Bear Run, PA, United States, North and Central America	Bear Run (Pennsylvania), United States	Mill Run, Pennsylvania, United States
Creator	Wright, Frank Lloyd One record with Ferriss, Hugh	Wright, Frank Lloyd	Wright, Frank Lloyd	Wright, Frank Lloyd	Wright, Frank Lloyd
Date		1935-1939	1934-1938		1935-1936
Work Type	Vacation houses, Houses, Country Houses	houses	House		House
Style/Period			Modern		Modernist
Subject		Summer houses; vacation houses; terrace houses; hillside architecture	Houses		Dwellings, Houses, Cantilevers, Waterfalls, Architecture—United States, National Historic Landmarks Program (U.S.), Architecture, Modern—20 th century, Kaufmann, Edgar J., 1885-1955
Culture		American	American		
Description			Modern Architecture		
Other names		Kaufmann, Edgar J. (patron)			

Disambiguate criteria

- We all know that if two records both have “Notre Dame” and “France” is not sufficient to de-duplicate these two records.
- Is “Notre Dame” and “Paris, France” sufficient?
- The question is how “granular” do we need to go to gain confidence in “automatic” de-duplication.
- We hope to report on our results in the next CNI meeting.

Authority

The Getty Research Institute

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Search Tools & Databases

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- BHA & RILA
- Getty Vocabularies**
 - Art & Architecture Thesaurus (AAT) ®
 - Cultural Objects Name Authority (CONA) ™
 - Getty Thesaurus of Geographic Names (TGN) ®
 - Union List of Artist Names (ULAN) ®
 - Contribute
 - Editorial Guidelines
 - Frequently Asked Questions
 - Obtain the Getty Vocabularies
 - Training Materials

Getty Vocabularies

What is cinnabar? What is a rhyton? The Getty vocabularies contain structured terminology for art, architecture, decorative arts and other material culture, archival materials, visual surrogates, and bibliographic materials. Compliant with international standards, they provide authoritative information for catalogers and researchers, and can be used to enhance access to databases and Web sites. The Getty Vocabularies grow through contributions. The vocabulary data is available for licensing and accessible free of charge below for more limited online use.



The Art & Architecture Thesaurus (AAT)®

Catherine wheel or rose window? AAT is a structured vocabulary, including terms, descriptions, and other information for generic concepts related to art and architecture.



The Cultural Objects Name Authority (CONA) ™

Mona Lisa or La Gioconda? CONA, a new vocabulary now accepting contributions, includes titles, attributions, and other information for art and architecture.



The Getty Thesaurus of Geographic Names (TGN)®

London or Londinium? TGN is a structured vocabulary, including names, descriptions, and other information for places important to art and architecture.



The Union List of Artist Names (ULAN)®

Titian or Tiziano Vecellio? ULAN is a structured vocabulary, including names, biographies, and other information about artists and architects.

See What's New

- 3,000+ Chinese terms added to the AAT

Recent Awards

- 2010 Visual Resources Association Nancy Delaurier Award

Have a Question?

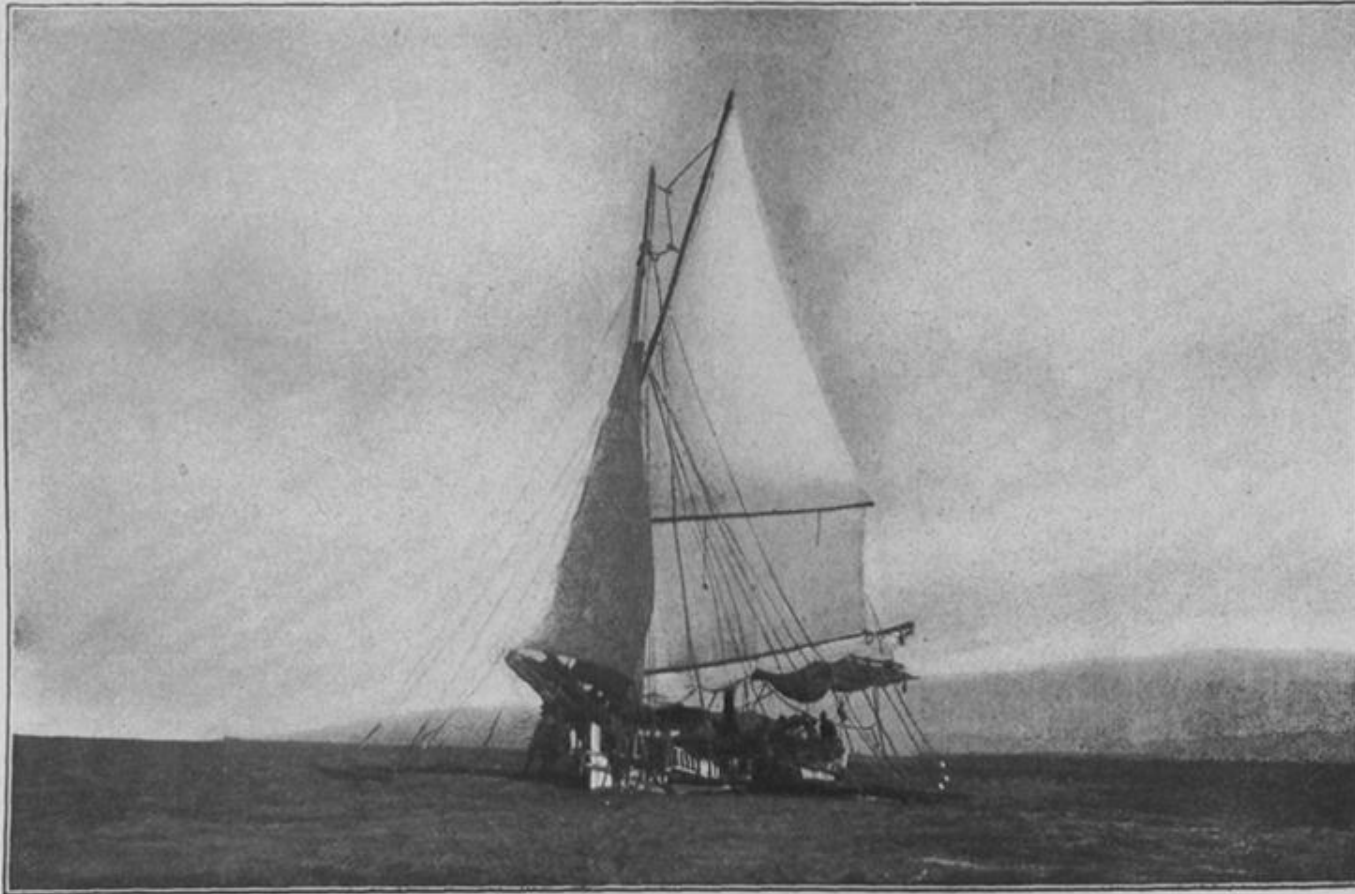
- Contact the Vocabulary Program
- Subscribe to GRI e-News

How will BWR gain scale?

- Institutional contributory model
 - Governed by policy framework
 - Accessed through shared technical infrastructure
 - Web-based data entry environment
 - Ubiquitous network (Cloud)
 - Shared via open APIs
- Expert crowdsourcing experiment
 - Community-driven approach to shared solutions
 - Controlled by role-based access control system

The Built Works Registry and the Infrastructure to Support it

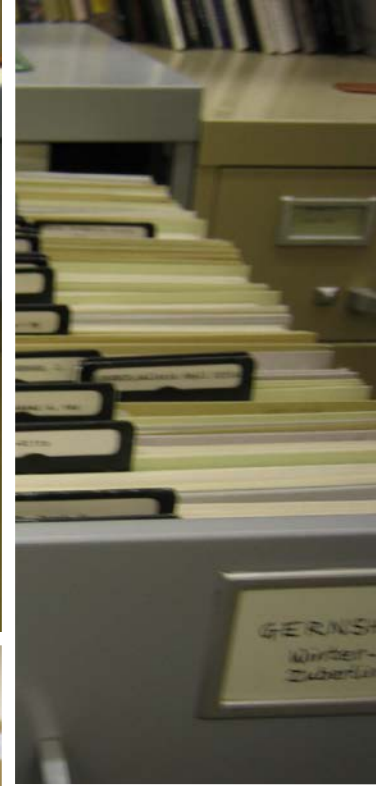
James Shulman

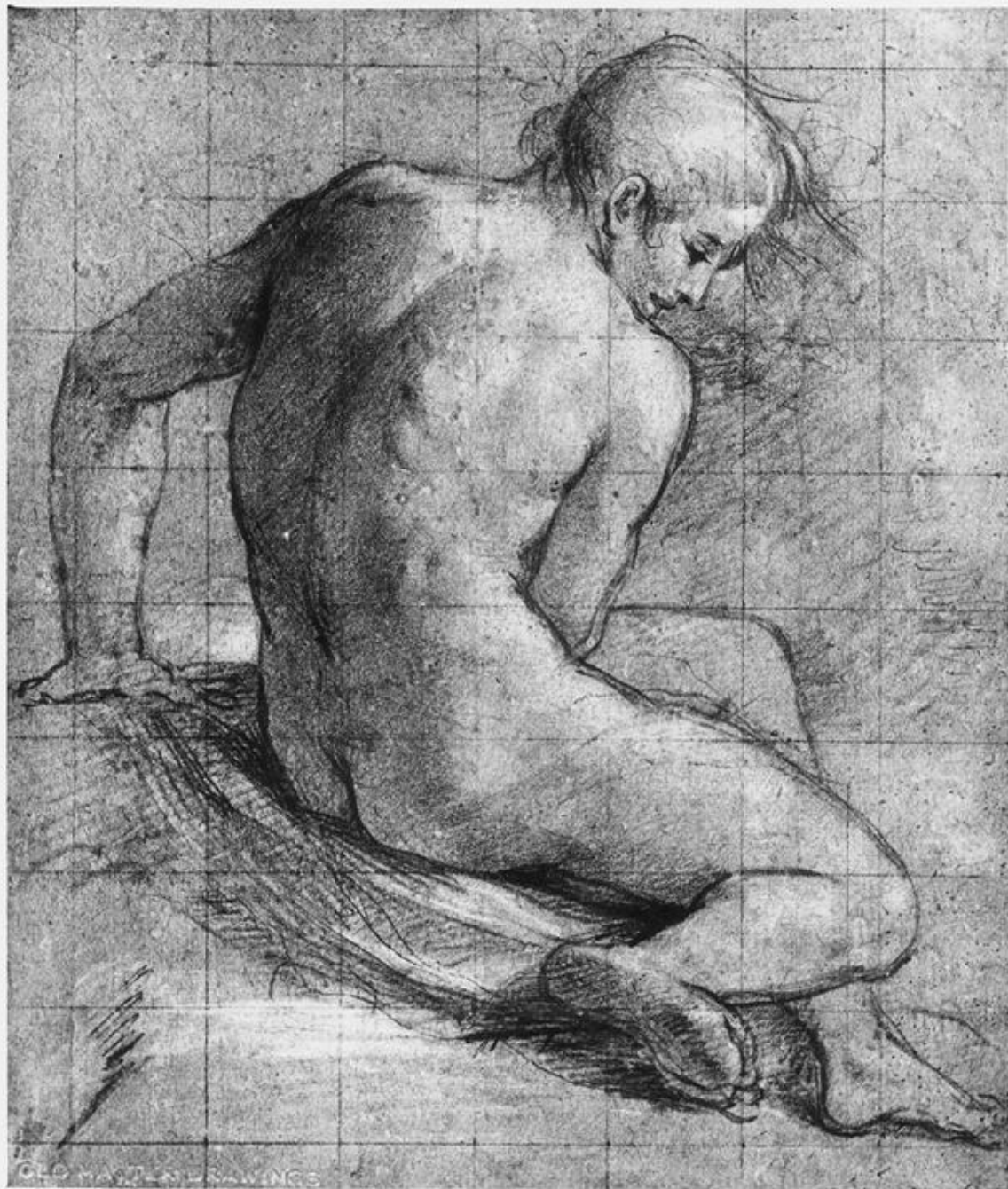


LAYING CABLE FROM A NATIVE SCHOONER.

From, *Philippine life in town and country*: 1905.

Gernsheim Photographic Corpus of Drawings





GLENN SAYINGS
WATSON'S LONDON
PHOTO DEPT.





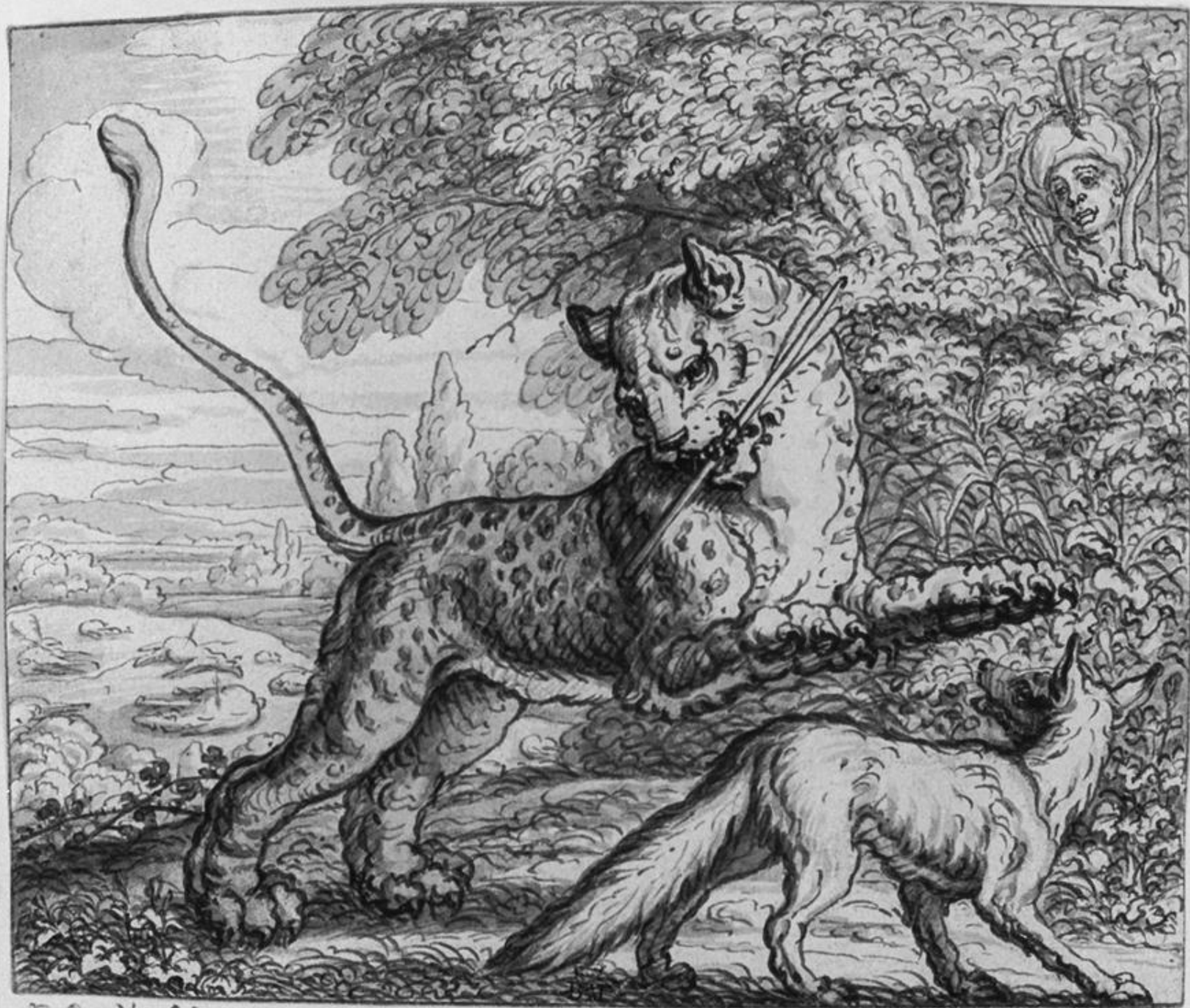


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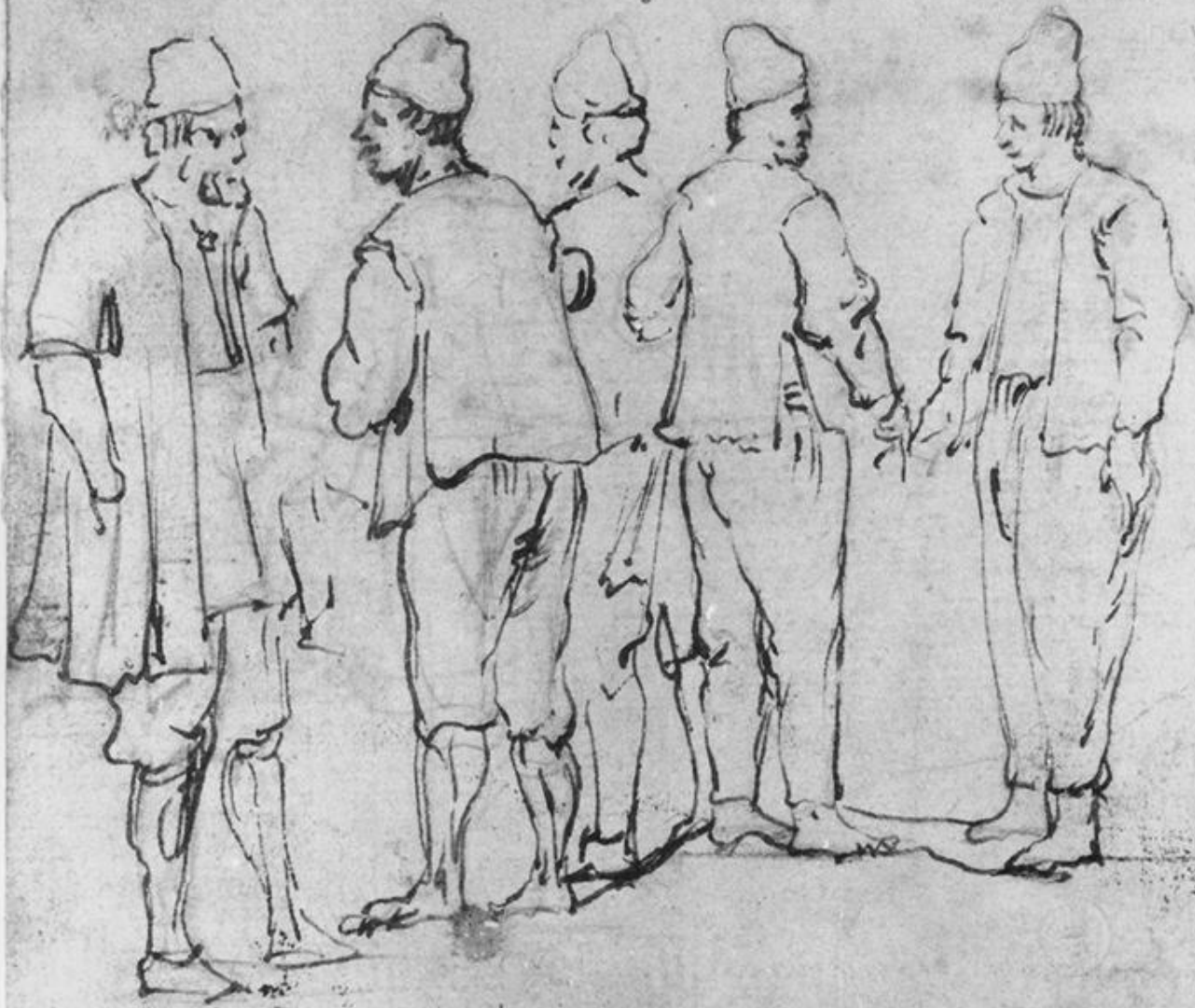


W. G. ERNSFORTH, LONDON
PHOTO DRY





134







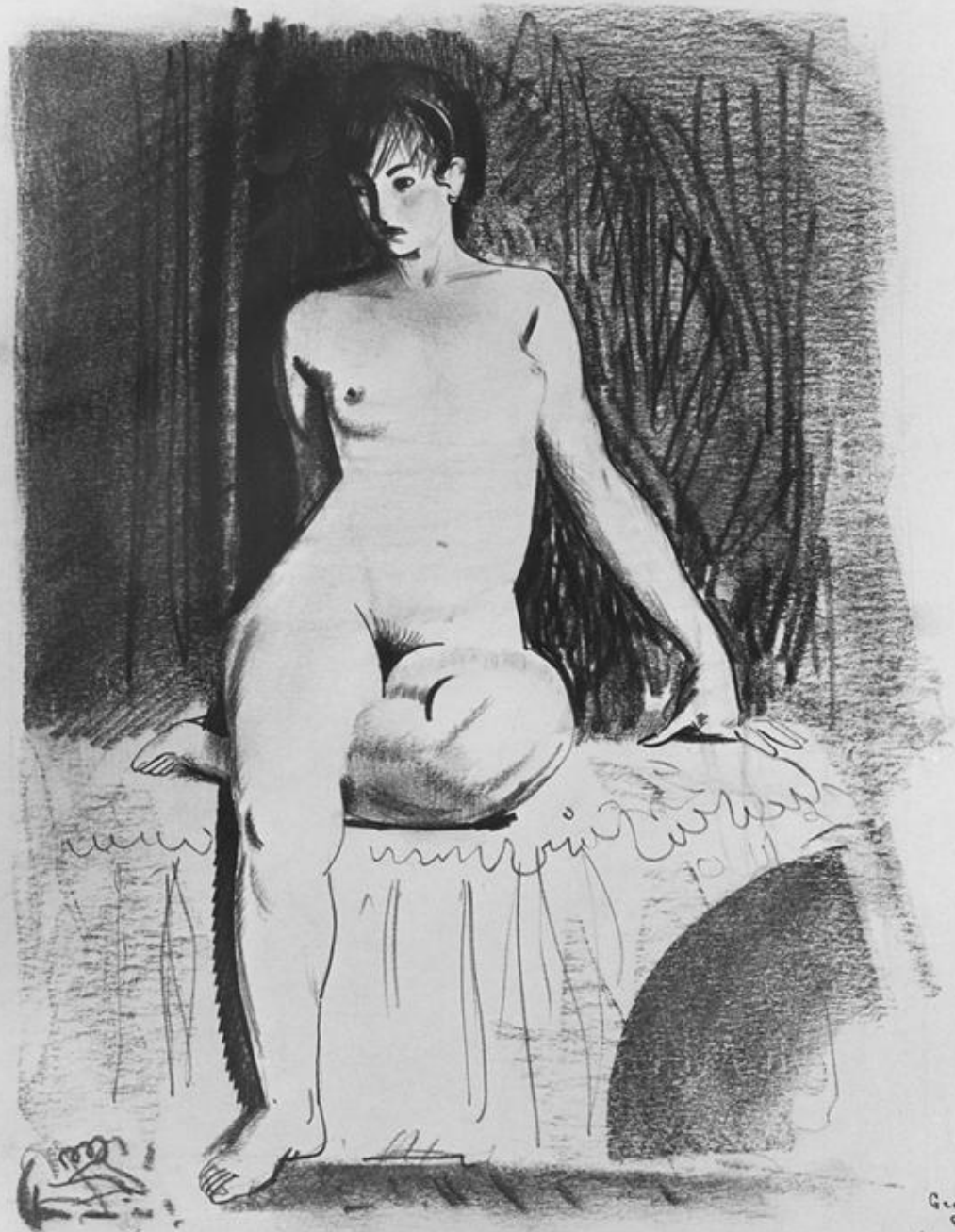






Bau





Giorgio P. 1900
C. S. P.

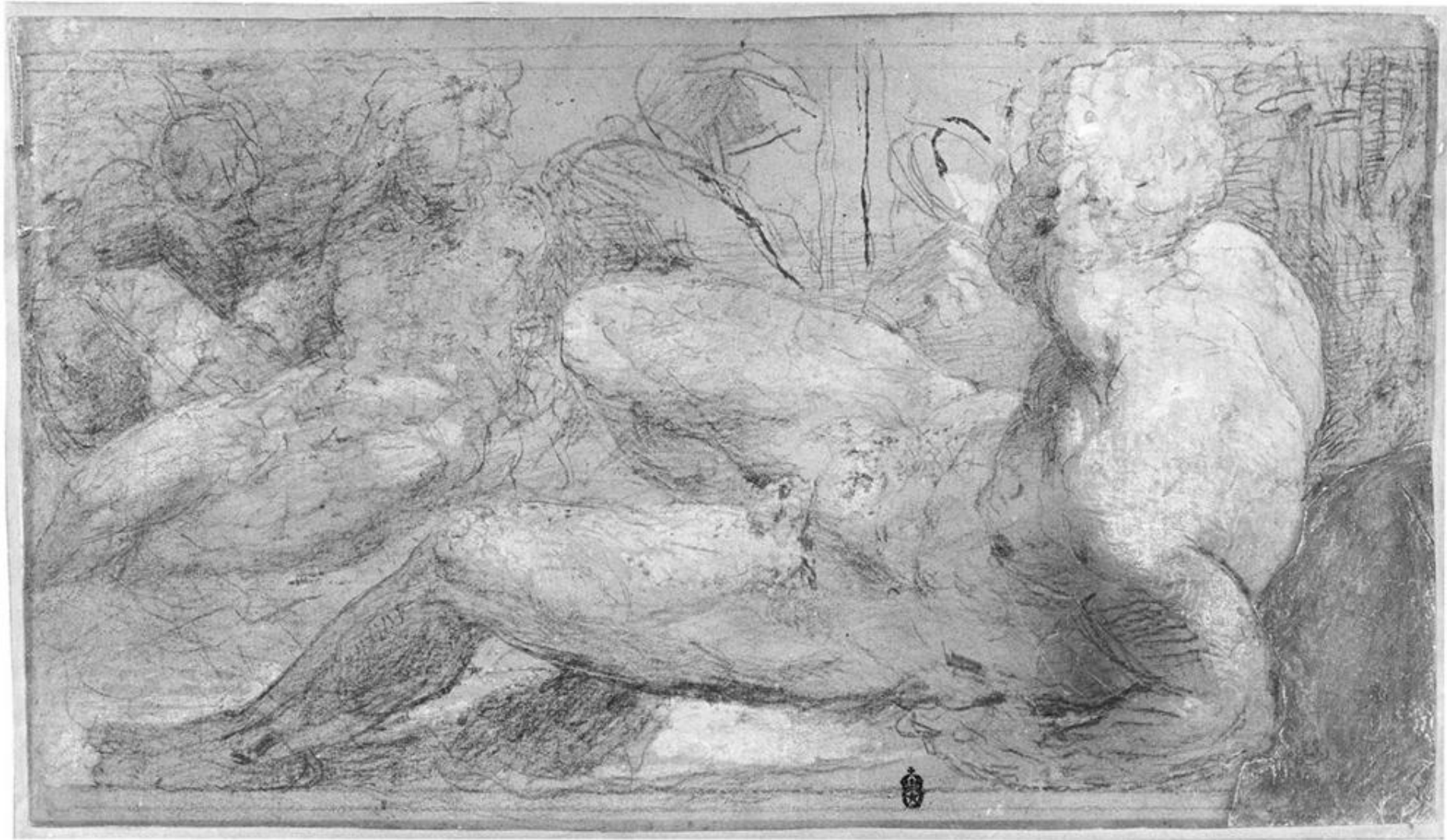






Acropolis - Athens 1899
G. H.







V. A. M.

Lave à la Pèlerine.



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Cheat Sheet for initials :(partial)

JG = John Gere

KO = Konrad Oberhuber

WRR = William Roger Rearick

A.E.P = A. E. Popham

PP = Philip Pouncey

BD = Bernice Davidson

AC = Alvin Clark

K.T.P = K.T. Parker



Raphael (copy of)

700

74 905
GERNSHEIM

ANONYMOUS (BOLOGNESE SCHOOL 17th c.; J.G.) 7

AFTER RAPHAEL

JUDGEMENT OF PARIS

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ELSHEIMER, ADAM

GROUP OF FEMALE FIGURES BY A WATER
PEN&BISTRE OR INK WASH 148x184

BERLIN MUS PR. RM. REF NO. 5088

Möhle??
A. Tassi (KA)
= (Hohl)

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CORPUS

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GERNSHEIM

~~ELSHETMER~~, ADAM

Coudt, Hendrik. (KA, p. 107)

LANDSCAPE WITH TREK
PEN&BISTRE OR INK WASH BUFF PAPER 133x159

BERLIN MUS PR. RM. REF NO. 12353

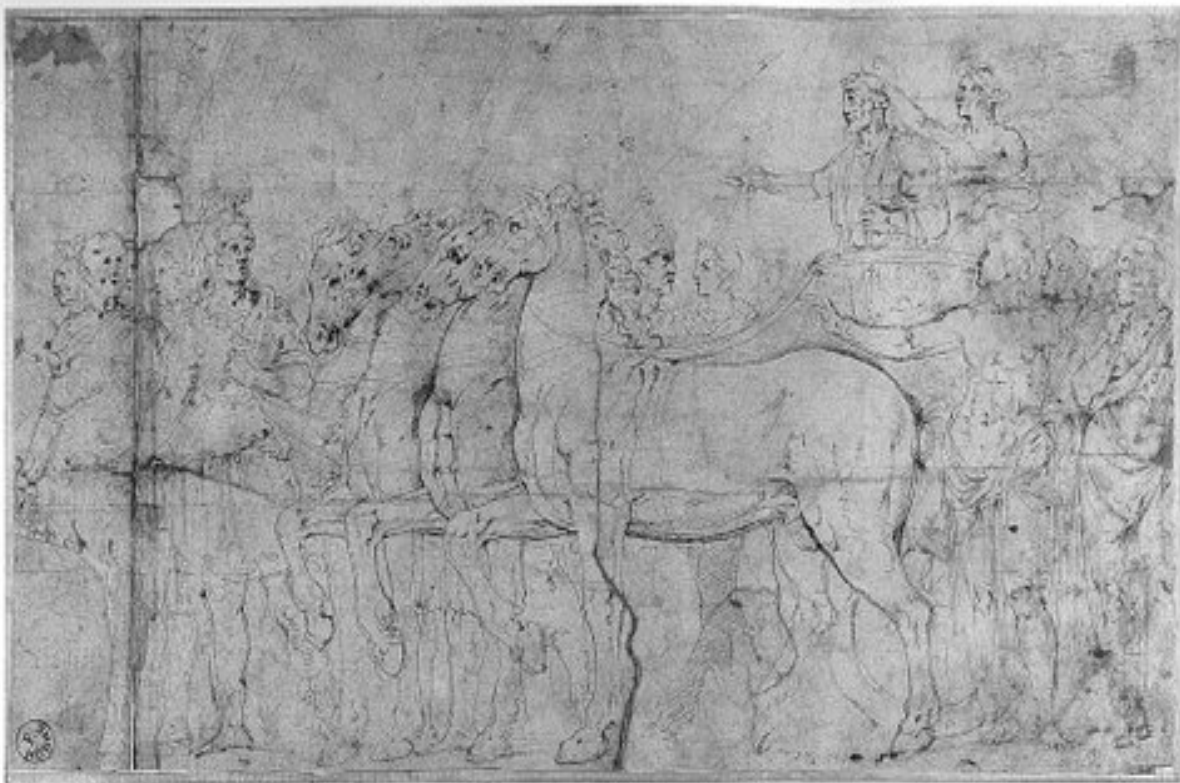
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DRAWINGS

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700

Peruzzi, Baldassare (Batt. Franco; K.O.
+WRF)

Triumphal chariot

p (See media code)

155 x 262 mm.

Florence

Fondazione Horne

Mus. Ref. no. 5682

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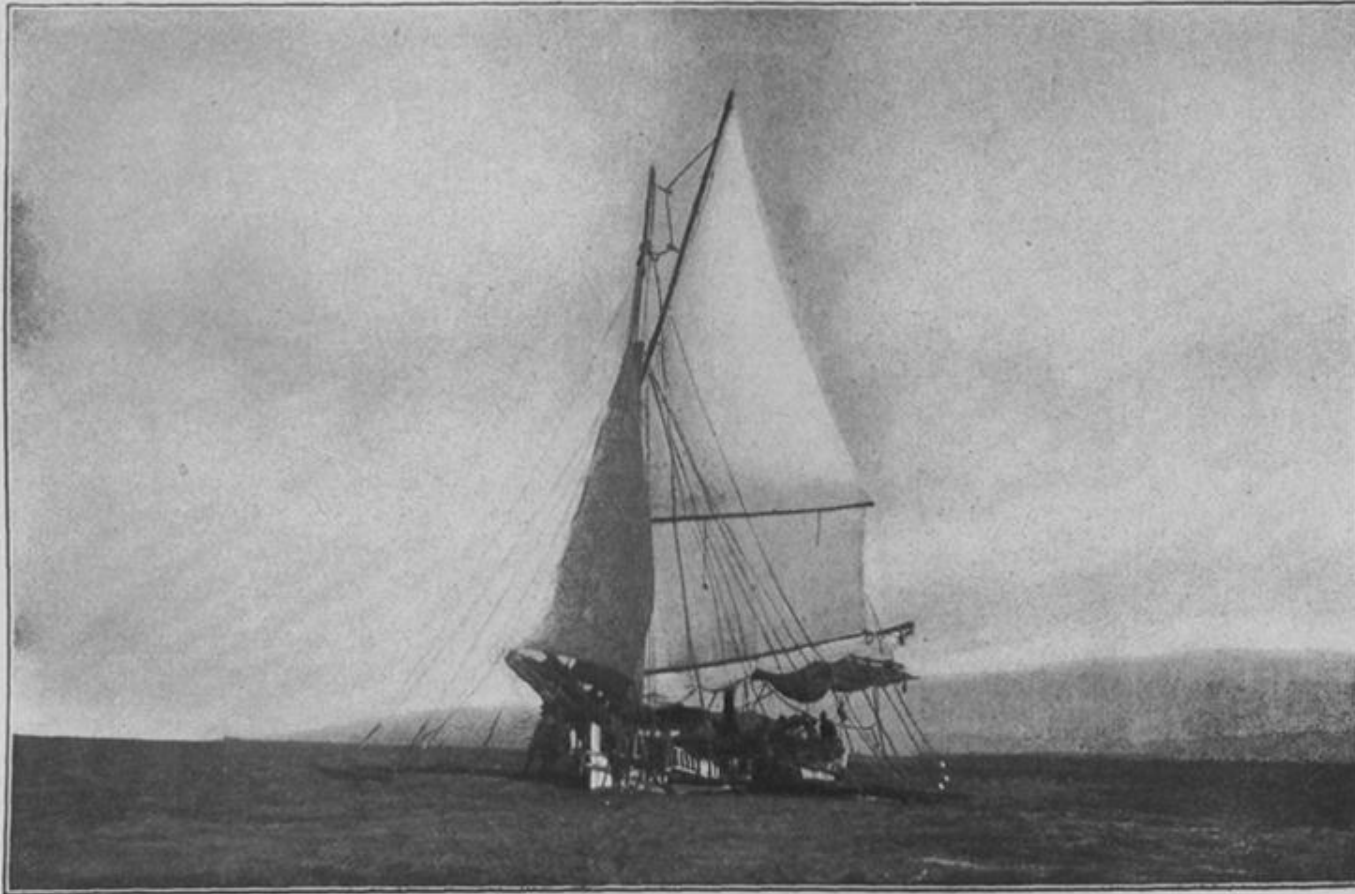
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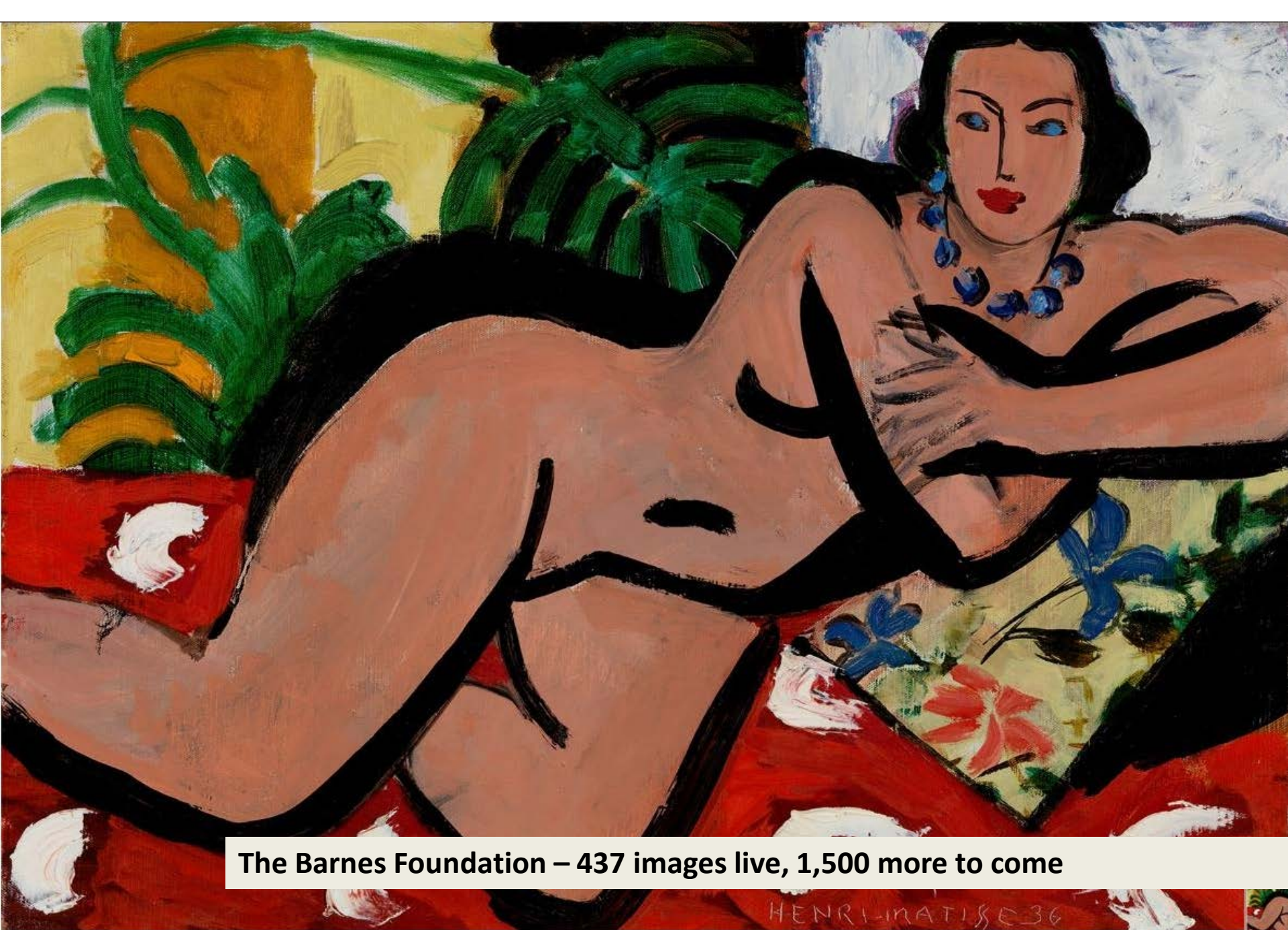
The Built Works Registry and the Infrastructure to Support it

James Shulman



LAYING CABLE FROM A NATIVE SCHOONER.

From, *Philippine life in town and country*: 1905.



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African and African-American studies
Christopher Roy and Herbert Cole: African field photography



Winiama mask performance (masks greet guests in the village), 2006. Ouri, Burkina Faso. Photographed by Christopher Roy.



Senufo, Pelerova Masker, 1979. Tiasso, Côte d'Ivoire. Photographed by Herbert Cole.

Magnum Photos – 80,000 photos of world events, people, places



(LEFT) Paolo Pellegrin: Muammar Qaddafi in his residential compound, Tripoli, Libya, 2002. (ABOVE) Philippe Halsman: Audrey HEPBURN posing for a LIFE Magazine cover, 1955.



ARTstor Digital Library Today

- Founded by The Andrew W. Mellon Foundation in 2001
- Independent nonprofit organization since 2003
- Launched in July 1, 2004
- 1.5 million images and growing
- 200+ museum & special collections
- Museums, archives, libraries, artists, artists' estates, scholars, photographers
- Password-protected database restricted to educational and scholarly users