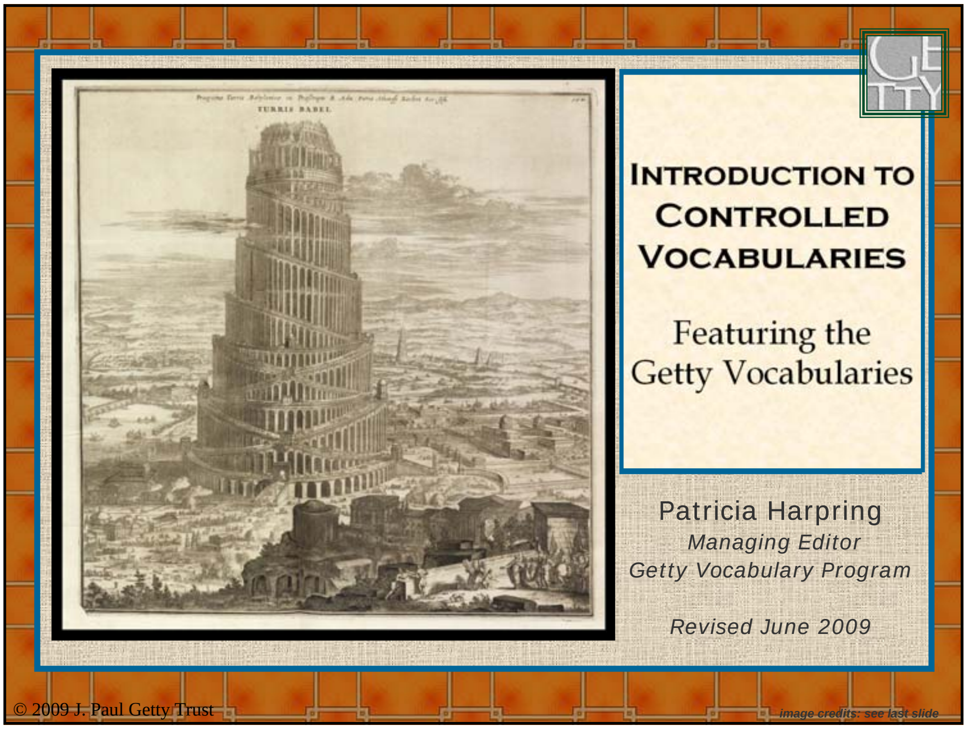


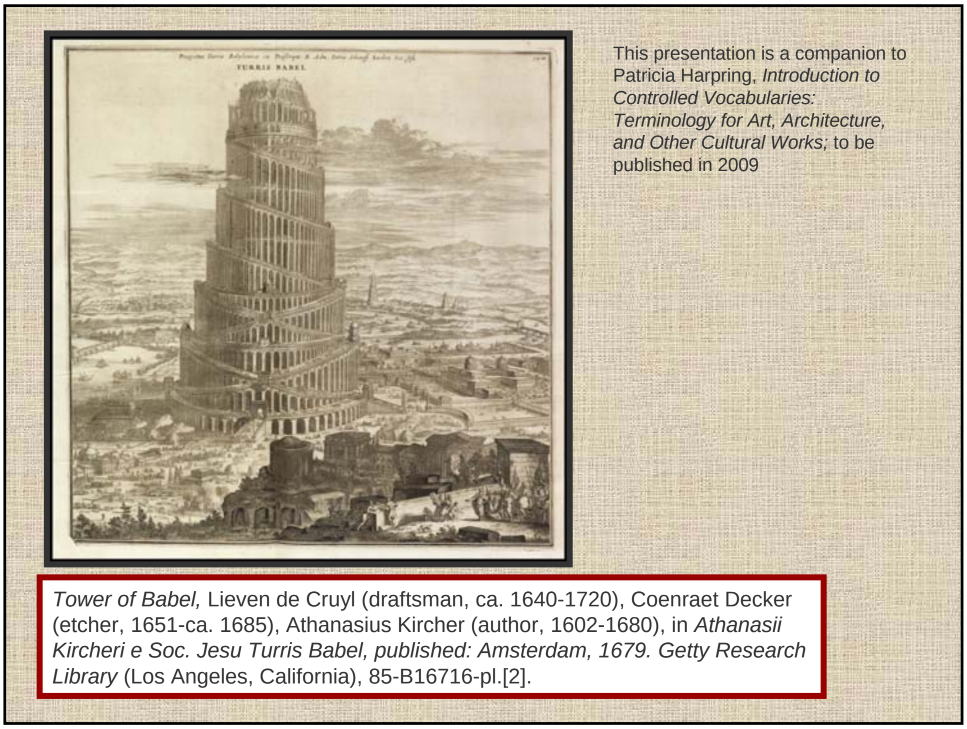
INTRODUCTION TO CONTROLLED VOCABULARIES

Featuring the Getty Vocabularies

Patricia Harpring
Managing Editor
Getty Vocabulary Program

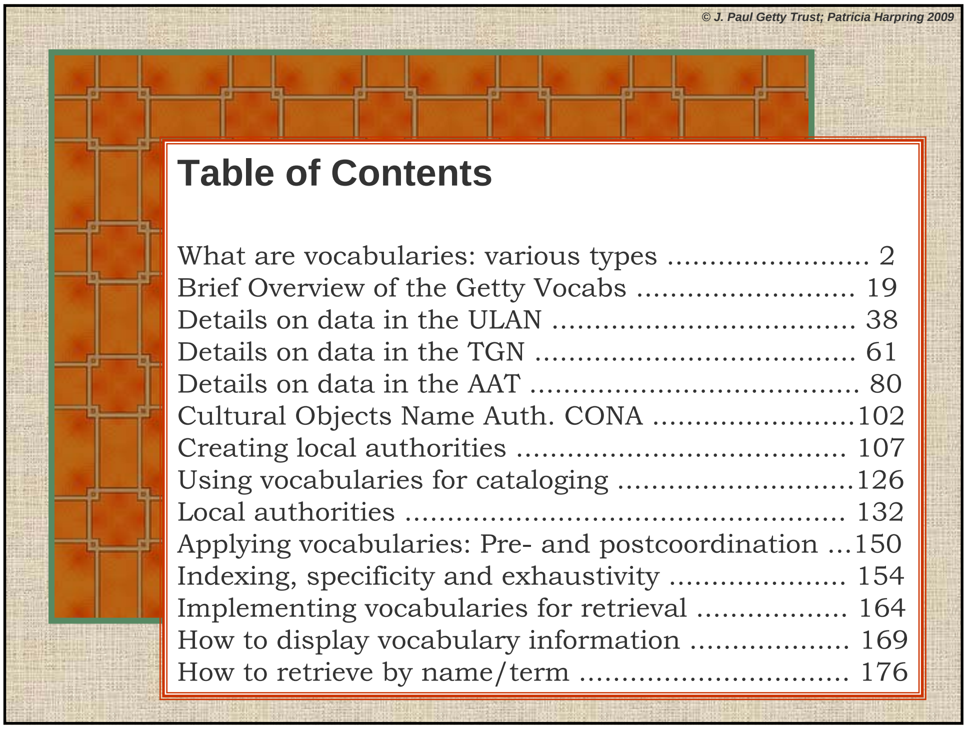
Revised June 2009

image credits: see last slide



This presentation is a companion to Patricia Harpring, *Introduction to Controlled Vocabularies: Terminology for Art, Architecture, and Other Cultural Works;* to be published in 2009

Tower of Babel, Lieven de Cruyl (draftsman, ca. 1640-1720), Coenraet Decker (etcher, 1651-ca. 1685), Athanasius Kircher (author, 1602-1680), in *Athanasii Kircheri e Soc. Jesu Turris Babel, published: Amsterdam, 1679. Getty Research Library* (Los Angeles, California), 85-B16716-pl.[2].



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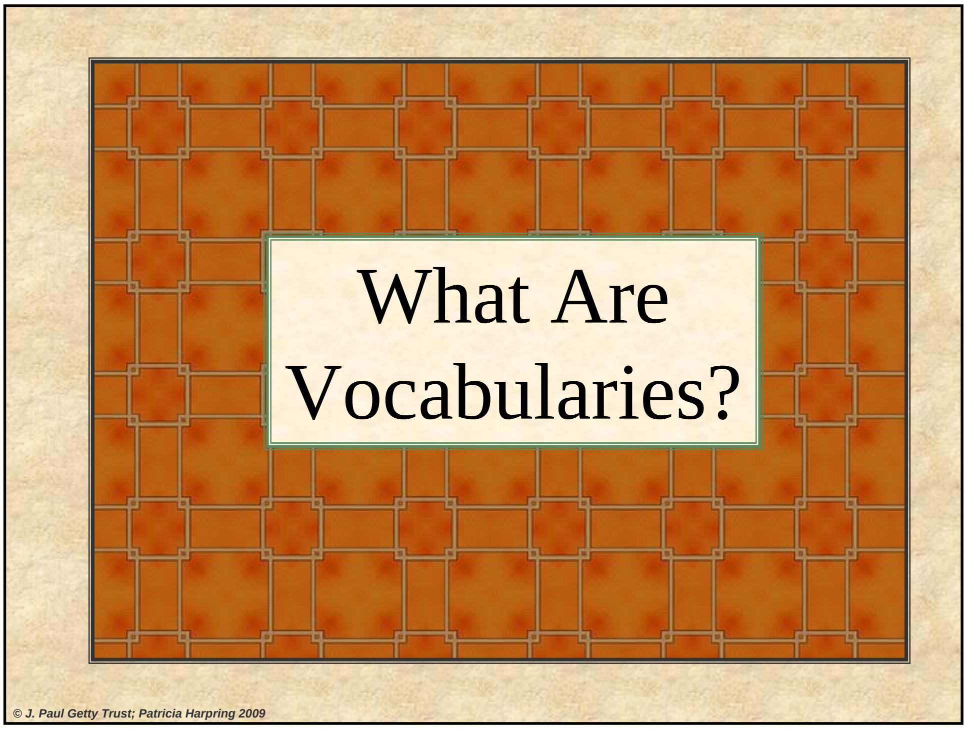
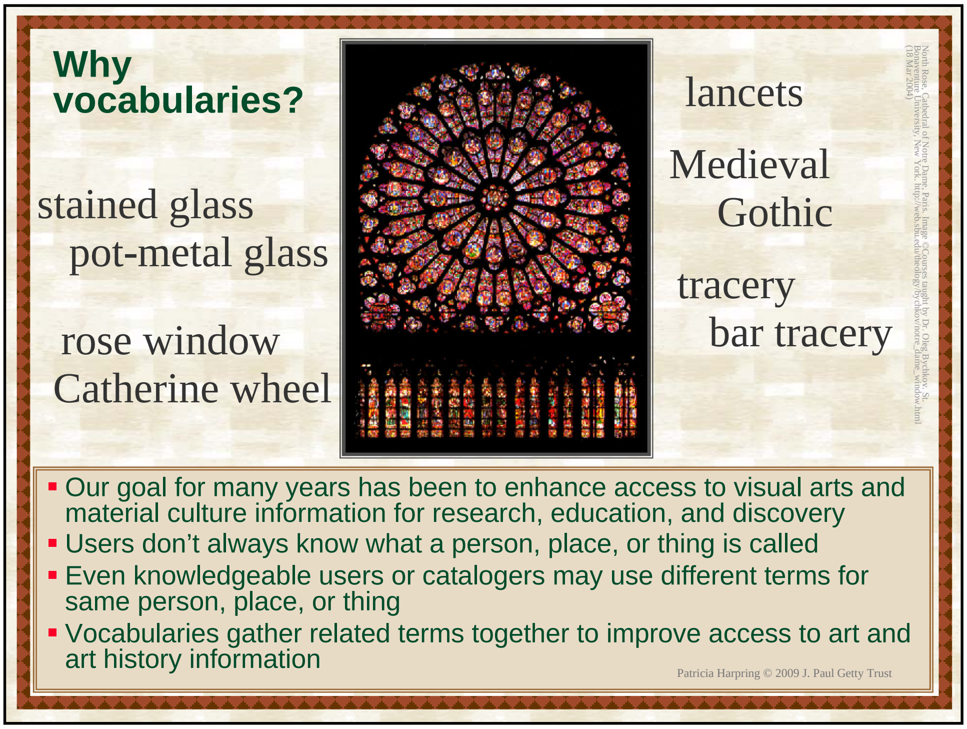


What Are Vocabularies?



Why vocabularies?

stained glass
pot-metal glass

rose window
Catherine wheel

lancets

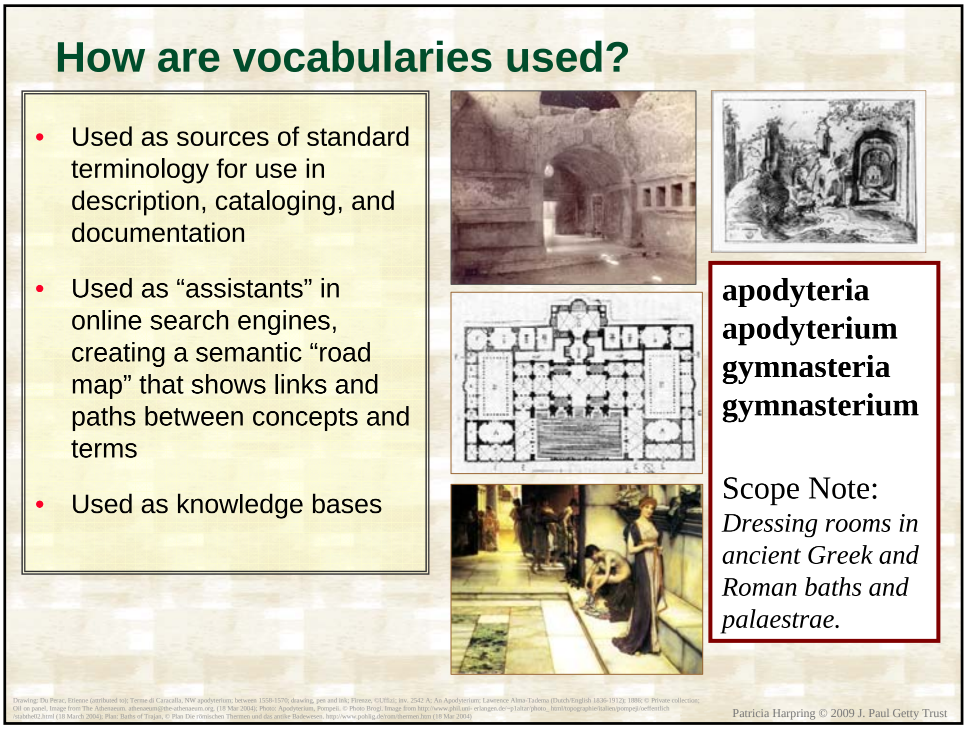
Medieval
Gothic

tracery
bar tracery

North Rose, Cathedral of Notre Dame, Paris. Image ©Courses taught by Dr. Oleg Bychkov. St. Bonaventure University, New York. http://web.sbu.edu/theology/bychkov/notre_dame_window.html (18 Mar 2004)

- Our goal for many years has been to enhance access to visual arts and material culture information for research, education, and discovery
- Users don't always know what a person, place, or thing is called
- Even knowledgeable users or catalogers may use different terms for same person, place, or thing
- Vocabularies gather related terms together to improve access to art and art history information

Patricia Harpring © 2009 J. Paul Getty Trust



How are vocabularies used?

- Used as sources of standard terminology for use in description, cataloging, and documentation
- Used as "assistants" in online search engines, creating a semantic "road map" that shows links and paths between concepts and terms
- Used as knowledge bases

apodyteria
apodyterium
gymnasteria
gymnasterium

Scope Note:
Dressing rooms in ancient Greek and Roman baths and palaestrae.

Drawing: Du Perac, Etienne (attributed to); Terme di Caracalla, NW apodyterium; between 1558-1570; drawing, pen and ink; Firenze, ©Uffizi; inv. 2542 A; An Apodyterium; Lawrence Alma-Tadema (Dutch/English 1836-1912); 1886; © Private collection; Oil on panel, Image from The Athenaeum. athenaeum@the-athenaeum.org. (18 Mar 2004); Photo: Apodyterium, Pompeii. © Photo Brogi. Image from http://www.phil.uni- erlangen.de/~p1altar/photo_ html/topographie/italien/pompeji/oeffentlich /stabthe02.html (18 March 2004); Plan: Baths of Trajan, © Plan Die römischen Thermen und das antike Badewesen. http://www.pohlig.de/rom/thermen.htm (18 Mar 2004)

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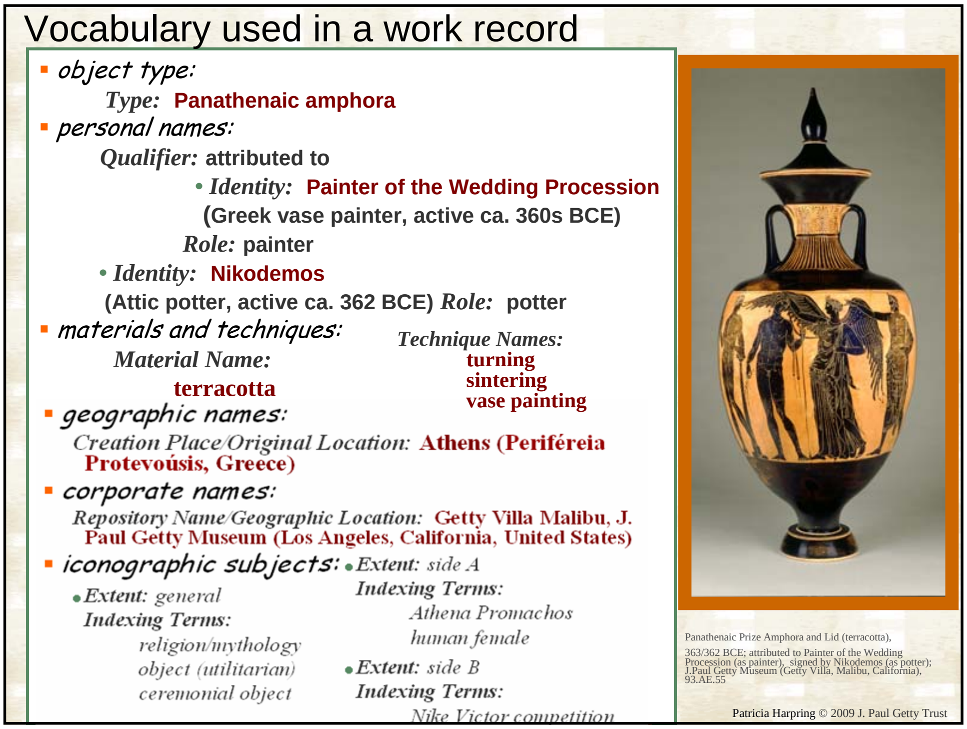
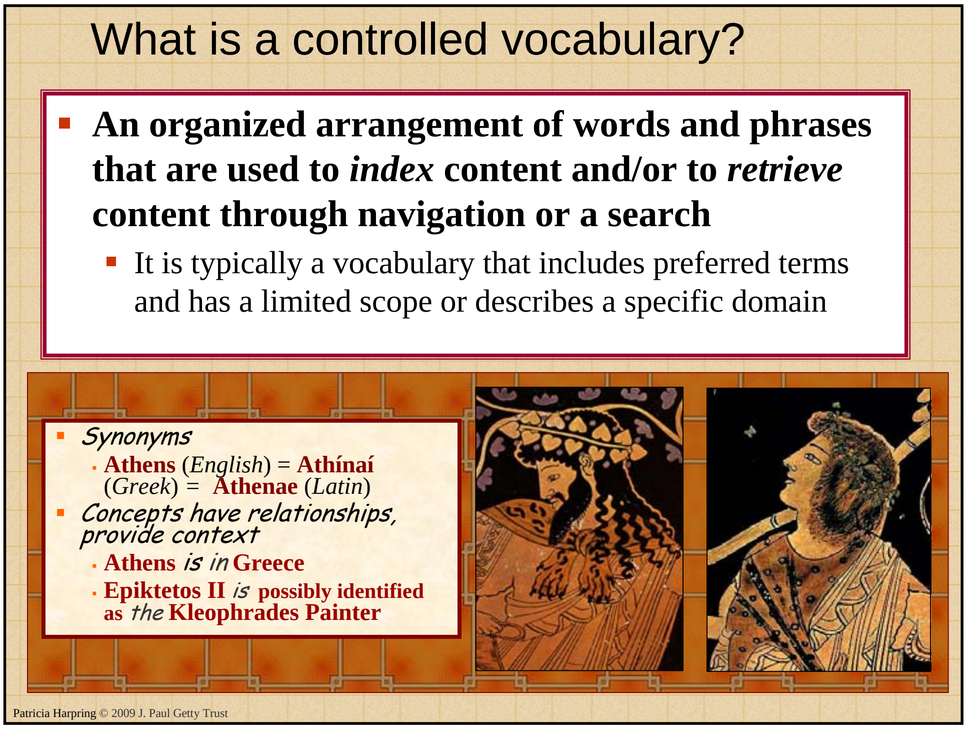


Vocabulary used in a work record

- *object type:*
  - *Type:* **Panathenaic amphora**
- *personal names:*
  - *Qualifier:* attributed to
    - *Identity:* **Painter of the Wedding Procession** (Greek vase painter, active ca. 360s BCE) *Role:* painter
  - *Identity:* **Nikodemos** (Attic potter, active ca. 362 BCE) *Role:* potter
- *materials and techniques:*
  - *Material Name:* **terracotta**
  - *Technique Names:* **turning** **sintering** **vase painting**
- *geographic names:*
  - *Creation Place/Original Location:* **Athens (Periféreia Protevoúsis, Greece)**
- *corporate names:*
  - *Repository Name/Geographic Location:* **Getty Villa Malibu, J. Paul Getty Museum (Los Angeles, California, United States)**
- *iconographic subjects:*
  - **Extent:** *general*
    Indexing Terms:
    - *religion/mythology*
    - *object (utilitarian)*
    - *ceremonial object*
  - **Extent:** *side A*
    Indexing Terms:
    - *Athena Promachos*
    - *human female*
  - **Extent:** *side B*
    Indexing Terms:
    - *Nike Victor competition*

Panathenaic Prize Amphora and Lid (terracotta), 363/362 BCE; attributed to Painter of the Wedding Procession (as painter), signed by Nikodemos (as potter); J.Paul Getty Museum (Getty Villa, Malibu, California), 93.AE.55



What is a controlled vocabulary?

- **An organized arrangement of words and phrases that are used to *index* content and/or to *retrieve* content through navigation or a search**
  - It is typically a vocabulary that includes preferred terms and has a limited scope or describes a specific domain

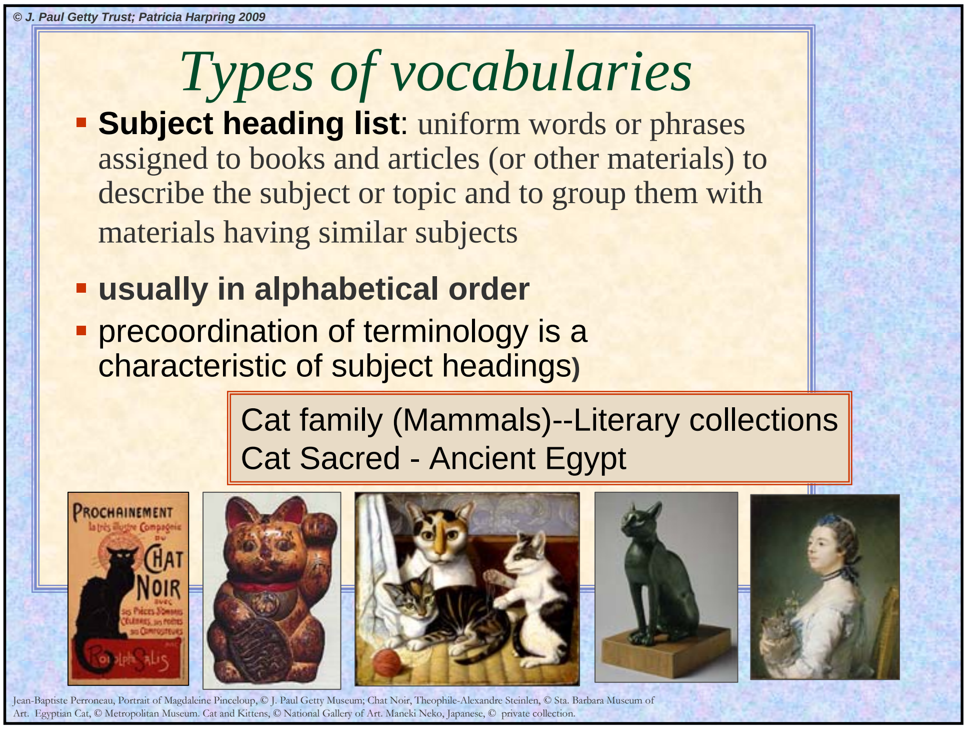
- *Synonyms*
  - **Athens** (*English*) = **Athínaí** (*Greek*) = **Athenae** (*Latin*)
- *Concepts have relationships, provide context*
  - **Athens** *is in* **Greece**
  - **Epiktetos II** *is* **possibly identified as** *the* **Kleophrades Painter**

What is a controlled vocabulary?

- **There are several types of controlled vocabularies, including the following:**

- **Subject heading list**
- **Controlled list**
- **Synonym ring list**
- **Taxonomy**
- **Thesaurus**

Getty Vocabularies are thesauri



Types of vocabularies

- **Subject heading list**: uniform words or phrases assigned to books and articles (or other materials) to describe the subject or topic and to group them with materials having similar subjects
- **usually in alphabetical order**
- precoordination of terminology is a characteristic of subject headings)

Cat family (Mammals)--Literary collections
Cat Sacred - Ancient Egypt

Jean-Baptiste Perroneau, Portrait of Magdaleine Pinceloup, © J. Paul Getty Museum; Chat Noir, Theophile-Alexandre Steinlen, © Sta. Barbara Museum of Art. Egyptian Cat, © Metropolitan Museum. Cat and Kittens, © National Gallery of Art. Maneki Neko, Japanese, © private collection.

Types of vocabularies

- **Subject heading list**: uniform words or phrases assigned to books and articles (or other materials) to describe the subject or topic and to group them with materials having similar subjects
- subject headings typically combine several unique concepts together in a string **as in the Library of Congress Subject Headings (LCSH)**

Cat family (Mammals)--Literary collections
Cat Sacred - Ancient Egypt

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la très illustre Compagnie
du
CHAT NOIR
avec
ses Pièces d'Ombres
Célèbres, ses Poètes
ses Compositeurs
Rodolphe Salis

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LIBRARY OF CONGRESS AUTHORITIES

```
LC Control Number: 90004394
```

HEADING: Bicycle racing United States

```
000 047nz a22001169
001 4833743
005 19901012154012.1
```

Subject headings in LC authority file

>> Library of Congress Online Catalog <<
to search for and display catalog records for the over 12 million books and other items in the collections of the Library of Congress.

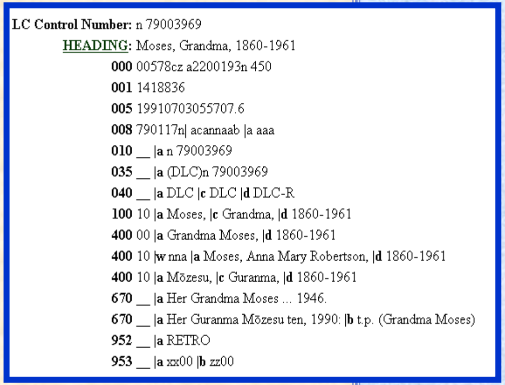
INDIANA UNIVERSITY
LAP 63
GALYAN'S
BREAKING AWAY

Patricia Harpring, 2009 © J. Paul Getty Trust

Images: http://newsinfo.iu.edu/

Types of vocabularies

- **Authority file:** A set of established names or headings and cross-references to the preferred form from variant or alternate forms. The Library of Congress name authority file is a well-known authority file.
- Vocabulary types are not mutually exclusive. E.g., a given vocabulary can be an authority file and a thesaurus.
- Building local authorities is recommended by CDWA and CCO.

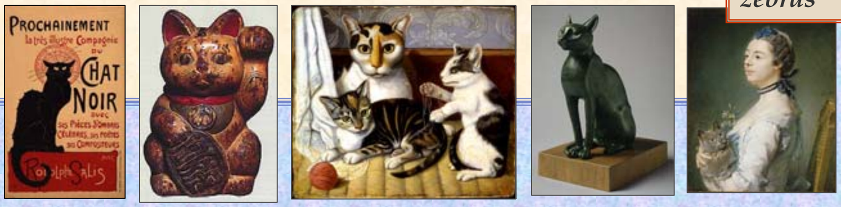


LC Control Number: n 79003969
HEADING: Moses, Grandma, 1860-1961
000 00578cz a2200193n 450
001 1418836
005 19910703055707.6
008 790117n| acannaab |a aaa
010 __ |**a** n 79003969
035 __ |**a** (DLC)n 79003969
040 __ |**a** DLC |**c** DLC |**d** DLC-R
100 10 |**a** Moses, |**c** Grandma, |**d** 1860-1961
400 00 |**a** Grandma Moses, |**d** 1860-1961
400 10 |**w** nna |**a** Moses, Anna Mary Robertson, |**d** 1860-1961
400 10 |**a** Mōzesu, |**c** Guranma, |**d** 1860-1961
670 __ |**a** Her Grandma Moses ... 1946.
670 __ |**a** Her Guranma Mōzesu ten, 1990: |**b** t.p. (Grandma Moses)
952 __ |**a** RETRO
953 __ |**a** xx00 |**b** zz00

Types of vocabularies

- **Controlled list:** A simple list of terms used to control terminology
- In a well-constructed controlled list: ▪each term must be unique; ▪ terms should all be members of same class; ▪ terms should not be overlapping in meaning; ▪ terms should be equal in granularity/specificity; ▪ and terms should be arranged alphabetically or in another logical order

anteaters
armadillos
bats
bears
cats
cows
deer
dogs
elephants
goldfish
horses
ostriches
pandas
pigs
zebras


Prochainement
la très illustre Compagnie du
Chat Noir
avec ses pièces d'ombres célèbres, ses poètes ses compositeurs
Rodolphe Salis

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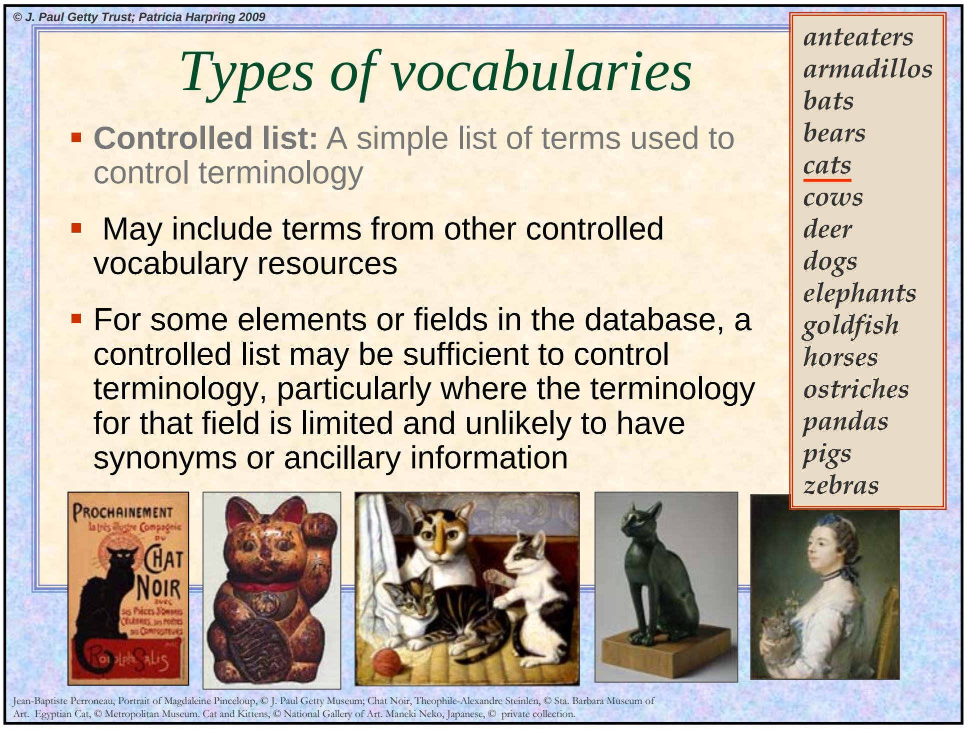

Types of vocabularies

- **Controlled list:** A simple list of terms used to control terminology
- May include terms from other controlled vocabulary resources
- For some elements or fields in the database, a controlled list may be sufficient to control terminology, particularly where the terminology for that field is limited and unlikely to have synonyms or ancillary information

anteaters
armadillos
bats
bears
cats
cows
deer
dogs
elephants
goldfish
horses
ostriches
pandas
pigs
zebras

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la très illustre Compagnie
DU
CHAT
NOIR
AVEC
DES PIÈCES D'OMBRES
CÉLÈBRES, DES POÈTES
DES COMPOSITEURS
Rodolphe Salis

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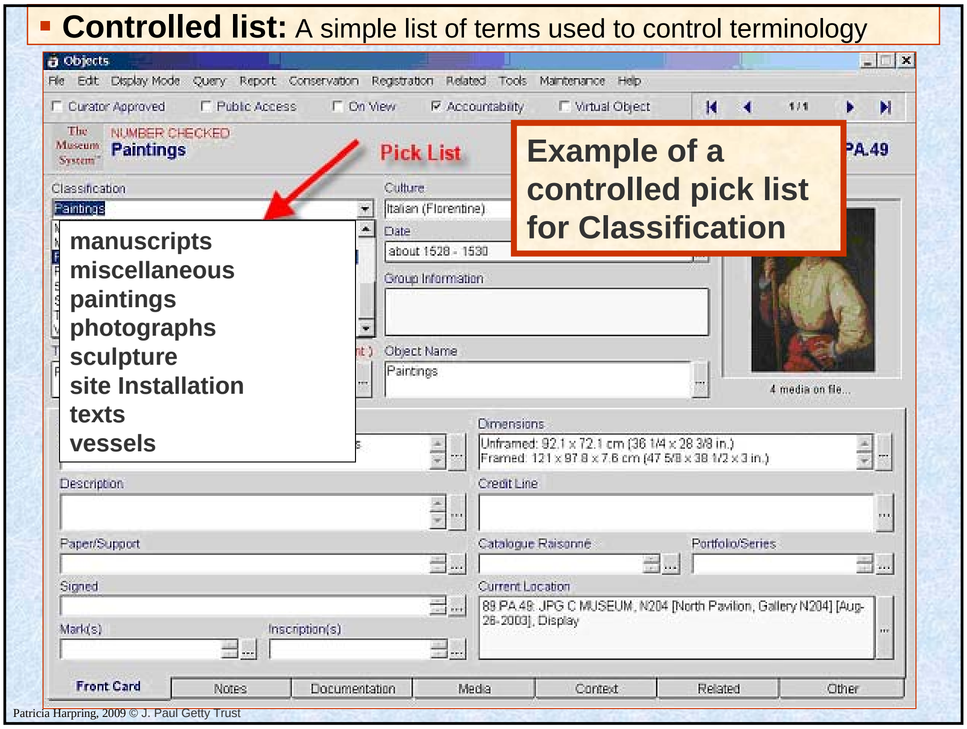


- **Controlled list:** A simple list of terms used to control terminology

Objects
File
Edit
Display Mode
Query
Report
Conservation
Registration
Related
Tools
Maintenance
Help
☐ Curator Approved
☐ Public Access
☐ On View
☑ Accountability
☐ Virtual Object
1/1
The Museum System
NUMBER CHECKED
Pick List
PA.49
4 media on file...
Front Card
Notes
Documentation
Media
Context
Related
Other

Paintings

Classification: Paintings

manuscripts
miscellaneous
paintings
photographs
sculpture
site Installation
texts
vessels

Example of a controlled pick list for Classification

Culture: Italian (Florentine)

Date: about 1528 - 1530

Group Information:

Object Name: Paintings

Dimensions: Unframed: 92.1 x 72.1 cm (36 1/4 x 28 3/8 in.)
Framed: 121 x 97.8 x 7.6 cm (47 5/8 x 38 1/2 x 3 in.)

Description:

Credit Line:

Paper/Support:

Catalogue Raisonné:

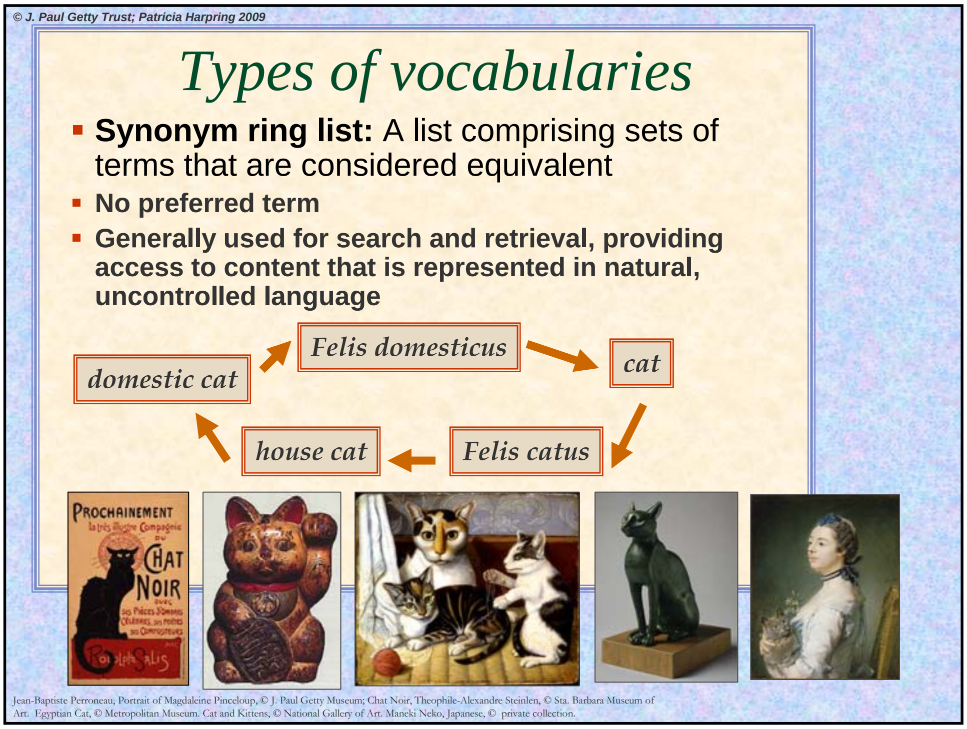
Portfolio/Series:

Signed:

Current Location: 89 PA 49: JPG C MUSEUM, N204 [North Pavilion, Gallery N204] [Aug-26-2003], Display

Mark(s):

Inscription(s):



Types of vocabularies

- **Synonym ring list:** A list comprising sets of terms that are considered equivalent
- **No preferred term**
- **Generally used for search and retrieval, providing access to content that is represented in natural, uncontrolled language**

Felis domesticus → *cat* → *Felis catus* → *house cat* → *domestic cat* → *Felis domesticus*

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Célèbres, ses Poètes
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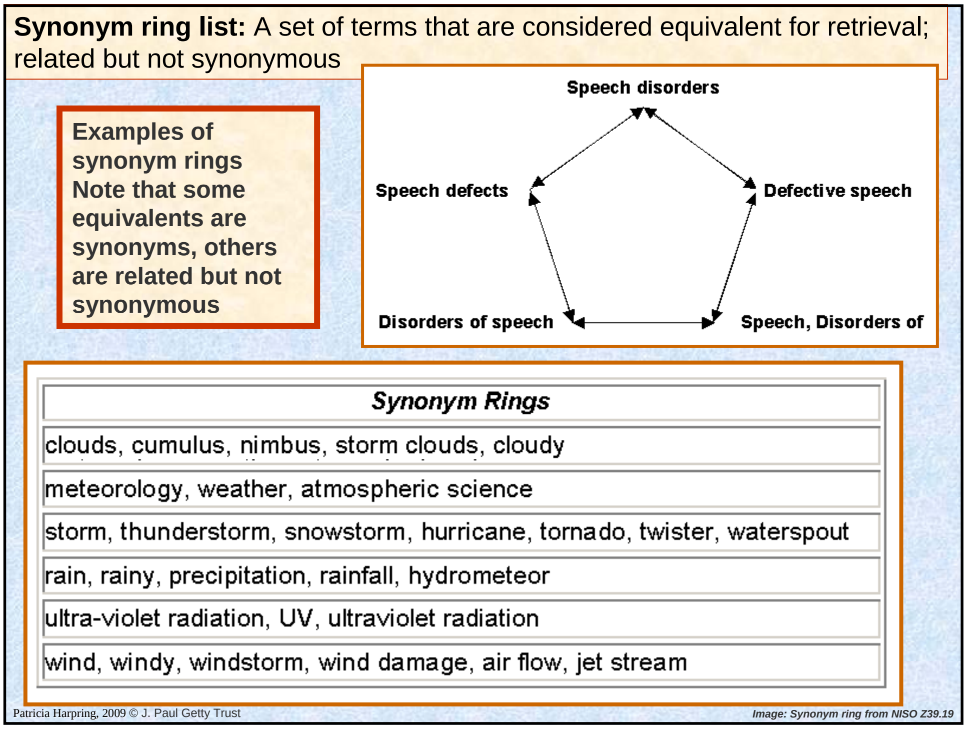


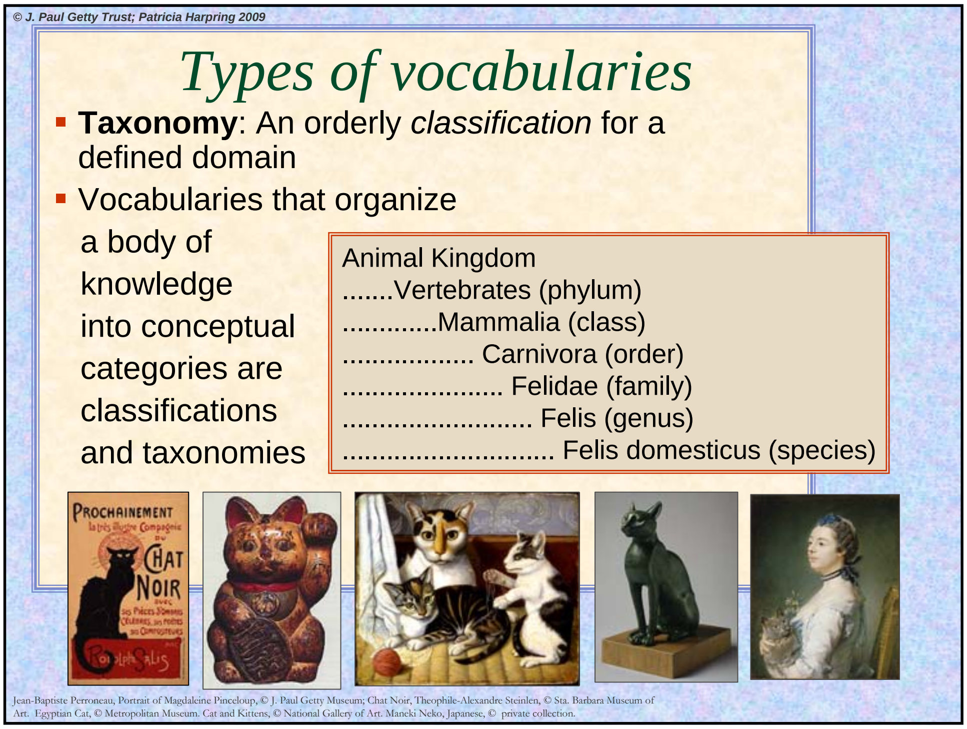
Synonym ring list: A set of terms that are considered equivalent for retrieval; related but not synonymous

Examples of synonym rings Note that some equivalents are synonyms, others are related but not synonymous

Speech disorders
Speech defects
Defective speech
Disorders of speech
Speech, Disorders of

Synonym Rings
clouds, cumulus, nimbus, storm clouds, cloudy
meteorology, weather, atmospheric science
storm, thunderstorm, snowstorm, hurricane, tornado, twister, waterspout
rain, rainy, precipitation, rainfall, hydrometeor
ultra-violet radiation, UV, ultraviolet radiation
wind, windy, windstorm, wind damage, air flow, jet stream

Image: Synonym ring from NISO Z39.19



Types of vocabularies

- **Taxonomy**: An orderly *classification* for a defined domain
- Vocabularies that organize a body of knowledge into conceptual categories are classifications and taxonomies

Animal Kingdom
.......Vertebrates (phylum)
.............Mammalia (class)
.... Carnivora (order)
.... Felidae (family)
.... Felis (genus)
.... Felis domesticus (species)

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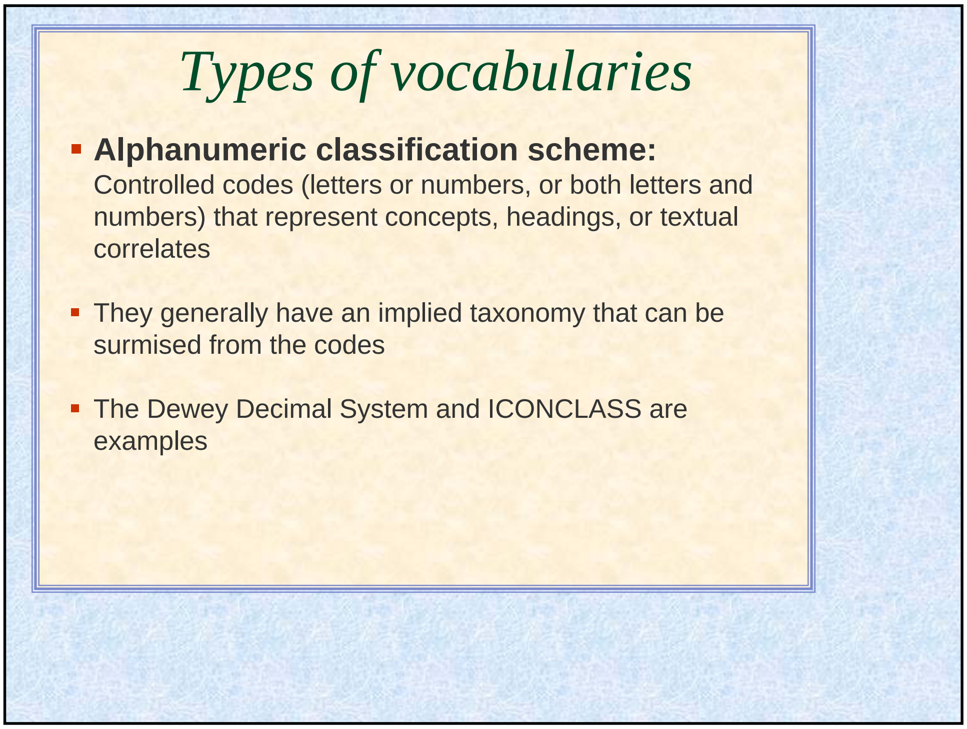
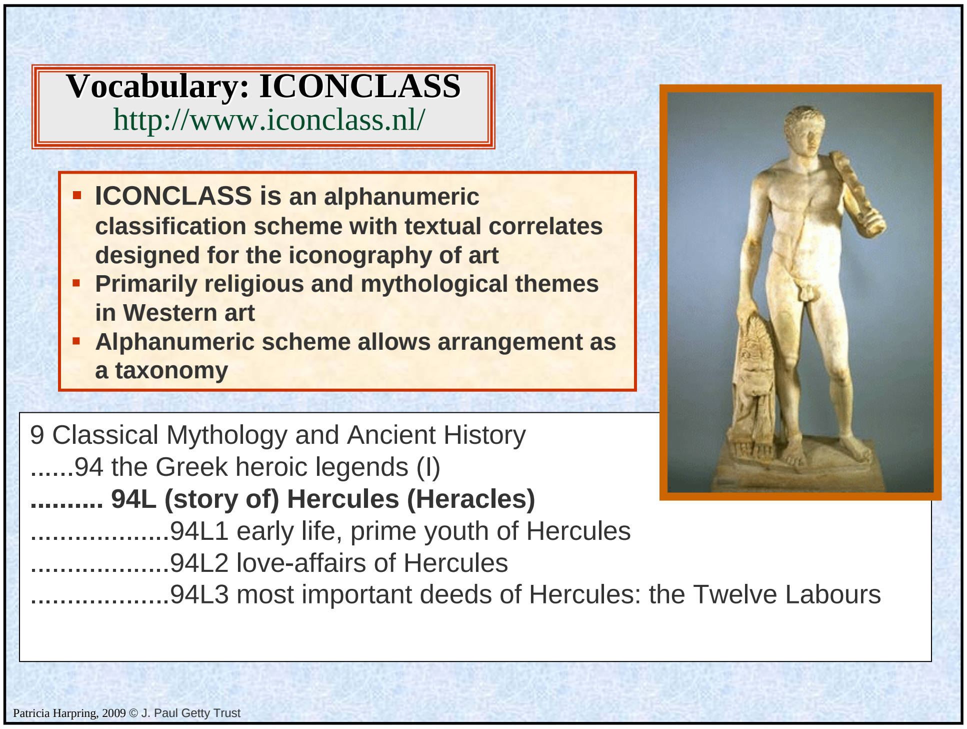


Types of vocabularies

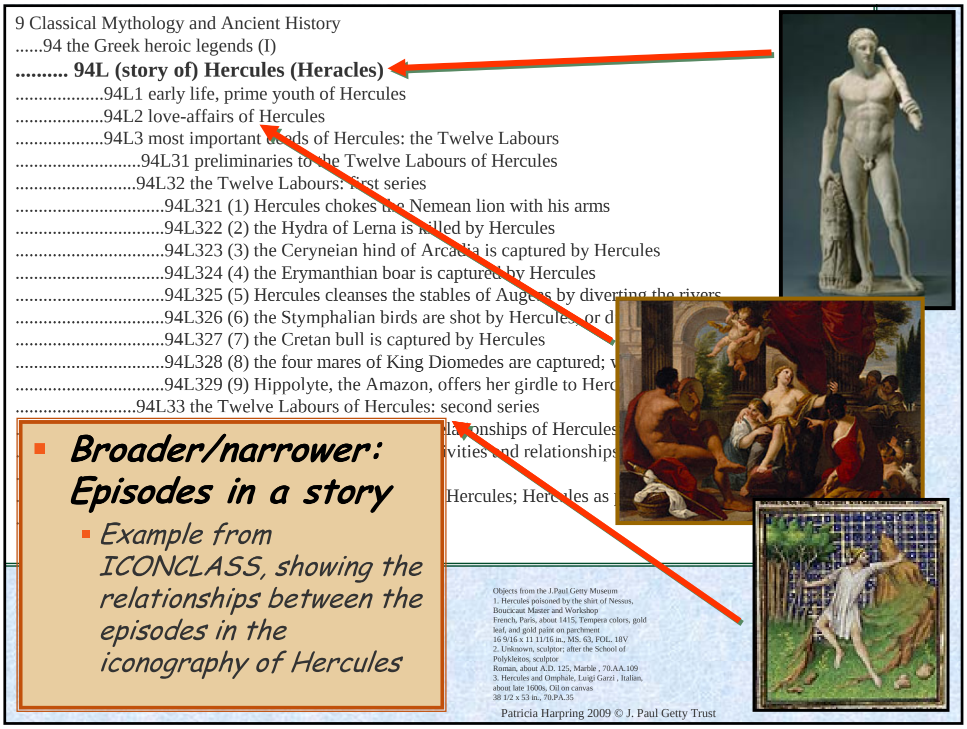
- **Alphanumeric classification scheme:** Controlled codes (letters or numbers, or both letters and numbers) that represent concepts, headings, or textual correlates
- They generally have an implied taxonomy that can be surmised from the codes
- The Dewey Decimal System and ICONCLASS are examples



Vocabulary: ICONCLASS
http://www.iconclass.nl/

- **ICONCLASS is an alphanumeric classification scheme with textual correlates designed for the iconography of art**
- **Primarily religious and mythological themes in Western art**
- **Alphanumeric scheme allows arrangement as a taxonomy**

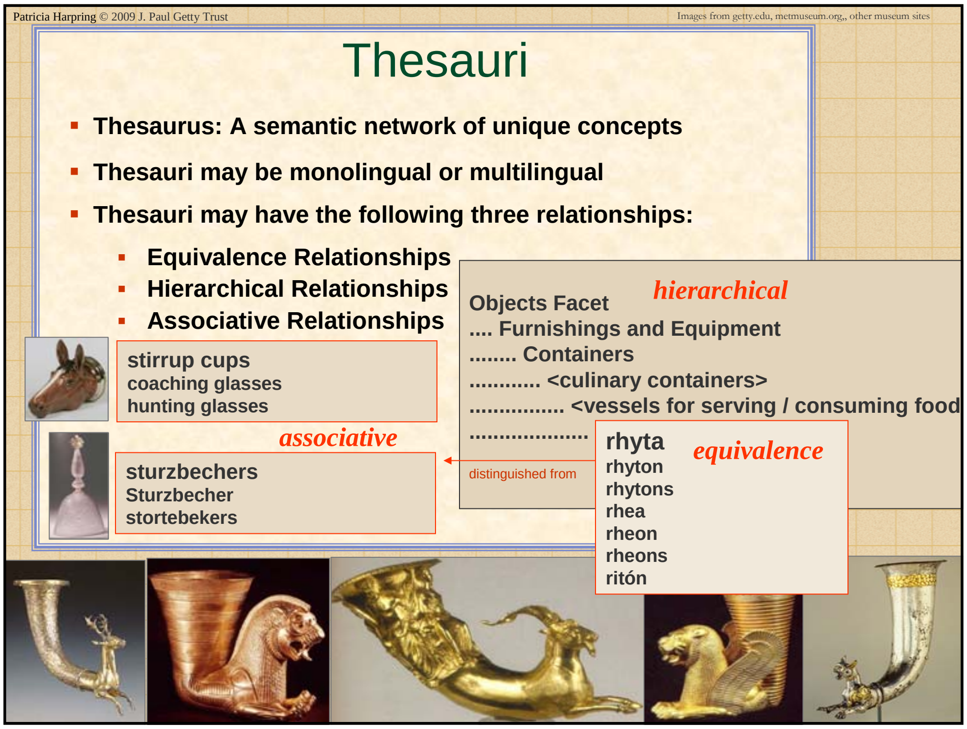
9 Classical Mythology and Ancient History
......94 the Greek heroic legends (I)
.... 94L (story of) Hercules (Heracles)
...................94L1 early life, prime youth of Hercules
...................94L2 love-affairs of Hercules
...................94L3 most important deeds of Hercules: the Twelve Labours



9 Classical Mythology and Ancient History
......94 the Greek heroic legends (I)
.... 94L (story of) Hercules (Heracles)
...................94L1 early life, prime youth of Hercules
...................94L2 love-affairs of Hercules
...................94L3 most important deeds of Hercules: the Twelve Labours
...........................94L31 preliminaries to the Twelve Labours of Hercules
..........................94L32 the Twelve Labours: first series
................................94L321 (1) Hercules chokes the Nemean lion with his arms
................................94L322 (2) the Hydra of Lerna is killed by Hercules
................................94L323 (3) the Ceryneian hind of Arcadia is captured by Hercules
................................94L324 (4) the Erymanthian boar is captured by Hercules
................................94L325 (5) Hercules cleanses the stables of Augeas by diverting the rivers
................................94L326 (6) the Stymphalian birds are shot by Hercules, or d
................................94L327 (7) the Cretan bull is captured by Hercules
................................94L328 (8) the four mares of King Diomedes are captured; v
................................94L329 (9) Hippolyte, the Amazon, offers her girdle to Herc
..........................94L33 the Twelve Labours of Hercules: second series
lationships of Hercules
ivities and relationships
Hercules; Hercules as

- ***Broader/narrower: Episodes in a story***
  - *Example from ICONCLASS, showing the relationships between the episodes in the iconography of Hercules*

Objects from the J.Paul Getty Museum
1. Hercules poisoned by the shirt of Nessus, Boucicaut Master and Workshop
French, Paris, about 1415, Tempera colors, gold leaf, and gold paint on parchment
16 9/16 x 11 11/16 in., MS. 63, FOL. 18V
2. Unknown, sculptor; after the School of Polykleitos, sculptor
Roman, about A.D. 125, Marble , 70.AA.109
3. Hercules and Omphale, Luigi Garzi , Italian, about late 1600s, Oil on canvas
38 1/2 x 53 in., 70.PA.35



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Images from getty.edu, metmuseum.org,, other museum sites

Thesauri

- Thesaurus: A semantic network of unique concepts
- Thesauri may be monolingual or multilingual
- Thesauri may have the following three relationships:
  - Equivalence Relationships
  - Hierarchical Relationships
  - Associative Relationships

hierarchical

Objects Facet
.... Furnishings and Equipment
.... Containers
.... <culinary containers>
.... <vessels for serving / consuming food
....

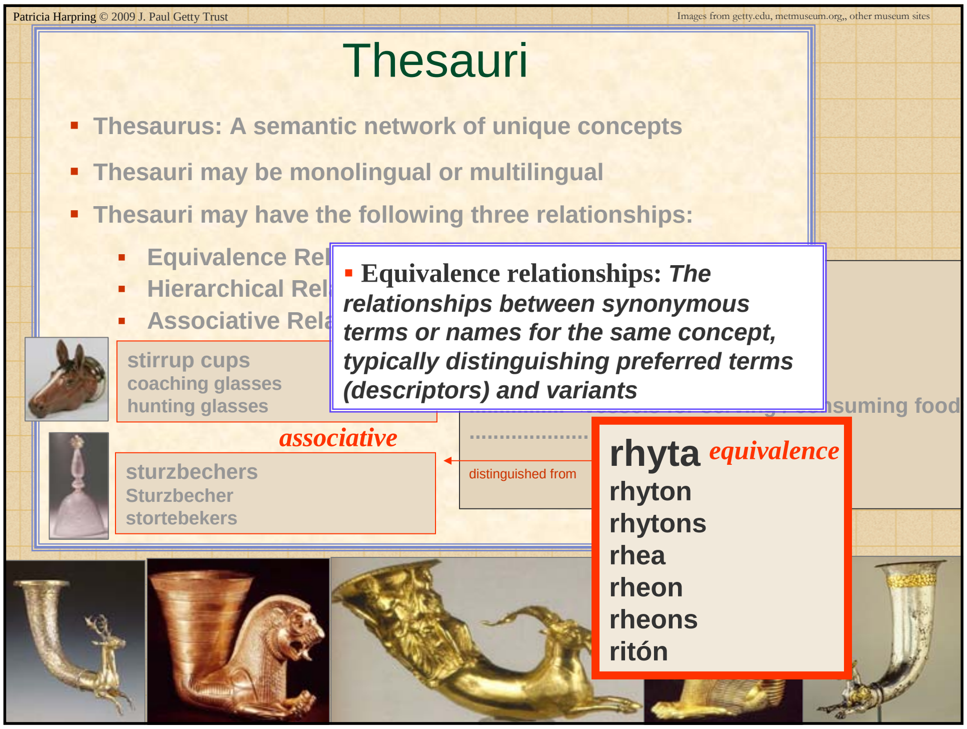
stirrup cups
coaching glasses
hunting glasses

associative

sturzbechers
Sturzbecher
stortebekers

distinguished from

rhyta *equivalence*
rhyton
rhytons
rhea
rheon
rheons
ritón



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Thesauri

- Thesaurus: A semantic network of unique concepts
- Thesauri may be monolingual or multilingual
- Thesauri may have the following three relationships:
  - Equivalence Rel
  - Hierarchical Rel
  - Associative Rela

- **Equivalence relationships:** *The relationships between synonymous terms or names for the same concept, typically distinguishing preferred terms (descriptors) and variants*

nsuming food
....

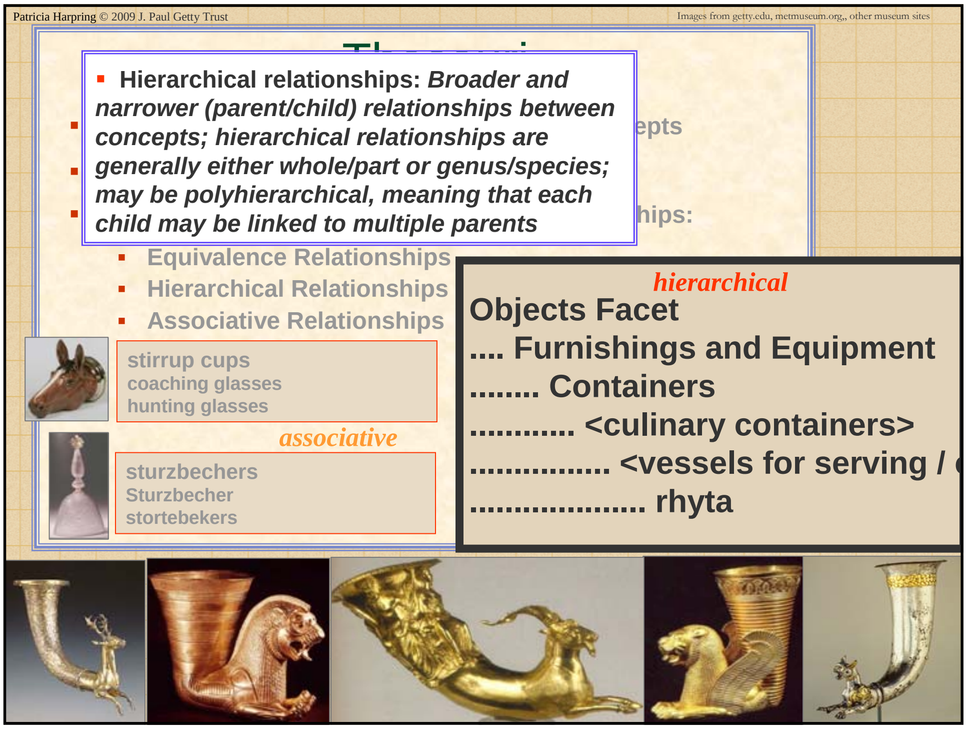
stirrup cups
coaching glasses
hunting glasses

associative

sturzbechers
Sturzbecher
stortebekers

distinguished from

rhyta *equivalence*
rhyton
rhytons
rhea
rheon
rheons
ritón



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- **Hierarchical relationships:** *Broader and narrower (parent/child) relationships between concepts; hierarchical relationships are generally either whole/part or genus/species; may be polyhierarchical, meaning that each child may be linked to multiple parents*

epts

hips:

- Equivalence Relationships
- Hierarchical Relationships
- Associative Relationships

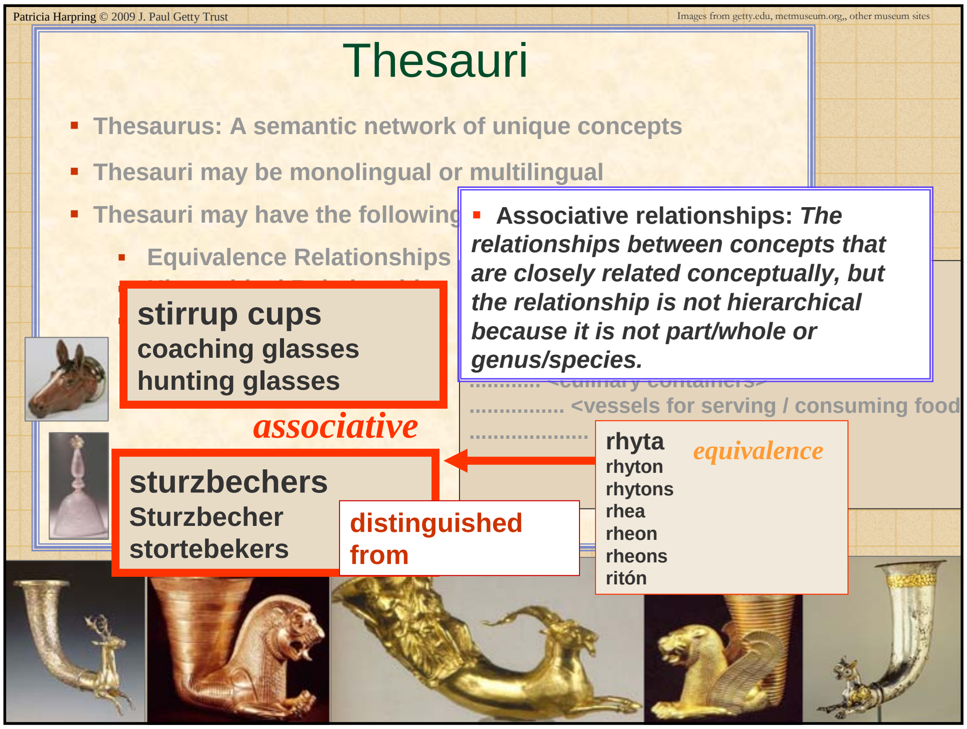
stirrup cups
coaching glasses
hunting glasses

associative

sturzbechers
Sturzbecher
stortebekers

hierarchical

Objects Facet
.... Furnishings and Equipment
.... Containers
.... <culinary containers>
.... <vessels for serving /
.... rhyta



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Thesauri

- Thesaurus: A semantic network of unique concepts
- Thesauri may be monolingual or multilingual
- Thesauri may have the following
  - Equivalence Relationships

- **Associative relationships:** *The relationships between concepts that are closely related conceptually, but the relationship is not hierarchical because it is not part/whole or genus/species.*

stirrup cups
coaching glasses
hunting glasses

associative

sturzbechers
Sturzbecher
stortebekers

distinguished from

.... <culinary containers>
.... <vessels for serving / consuming food
....

rhyta
rhyton
rhytons
rhea
rheon
rheons
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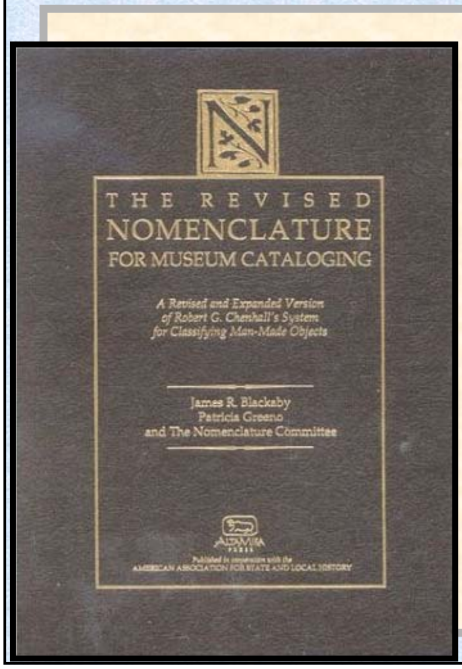
equivalence


THE REVISED
NOMENCLATURE
FOR MUSEUM CATALOGING
A Revised and Expanded Version of Robert G. Chenhall's System for Classifying Man-Made Objects
James R. Blackaby
Patricia Greeno
and The Nomenclature Committee
AltaMira
Published in cooperation with the American Association for State and Local History

Revised Nomenclature for Museum Cataloging:
A Revised and Expanded Version of Robert G. Chenhall's System for Classifying Man-Made Objects

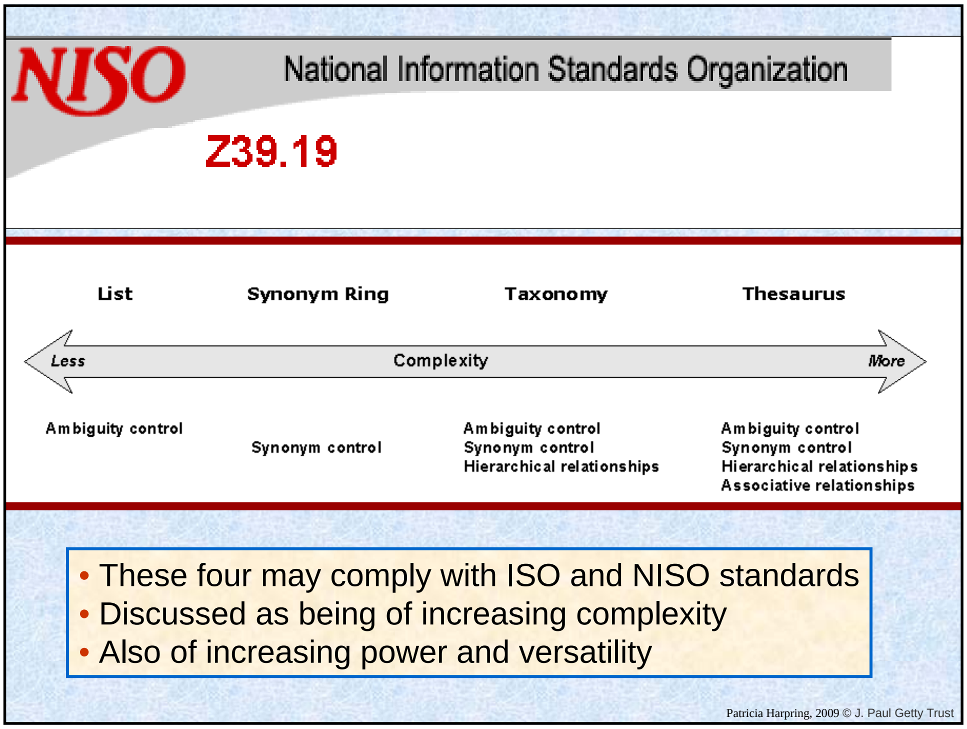
Currently under revision by Nomenclature Committee

How does Chenhall Nomenclature differ from the AAT?

- Users should use both
- For art and architecture, the AAT has much, much better and deeper coverage. Nomenclature is more generalist with shallow coverage of more things, and has headings in addition to terms
- Only overlap between Nomenclature and AAT is in Objects Facet
- Much of Nomenclature is out of scope (e.g., medical and surgical equipment, because AAT focuses on art)
- AAT is thesaurus, Nomenclature not a full-blown thesaurus, but has preferred and use for terms

How does Chenhall Nomenclature differ from the AAT?

- Nomenclature includes some compound terms (headings) that AAT users construct for themselves
- AAT has incorporated all of Nomenclature that is within scope for the AAT, relatively high degree of overlap
- Nomenclature has no scope notes/definitions, except for broadest levels, AAT has scope notes
- Nomenclature has no qualifiers, AAT does
- Nomenclature has fewer UF terms than AAT
- Nomenclature has all upper case, all inverted, vs. AAT lower case and natural order terms



NISO National Information Standards Organization

Z39.19

List	Synonym Ring	Taxonomy	Thesaurus
Ambiguity control	Synonym control	Ambiguity control Synonym control Hierarchical relationships	Ambiguity control Synonym control Hierarchical relationships Associative relationships

- These four may comply with ISO and NISO standards
- Discussed as being of increasing complexity
- Also of increasing power and versatility

Tools related to or utilizing vocabularies

Ontology

- Ontologies are used in the semantic web, artificial intelligence, software engineering, and information architecture as a form of knowledge representation about a particular domain of knowledge.
- Defining relationships is key, they use vocabularies

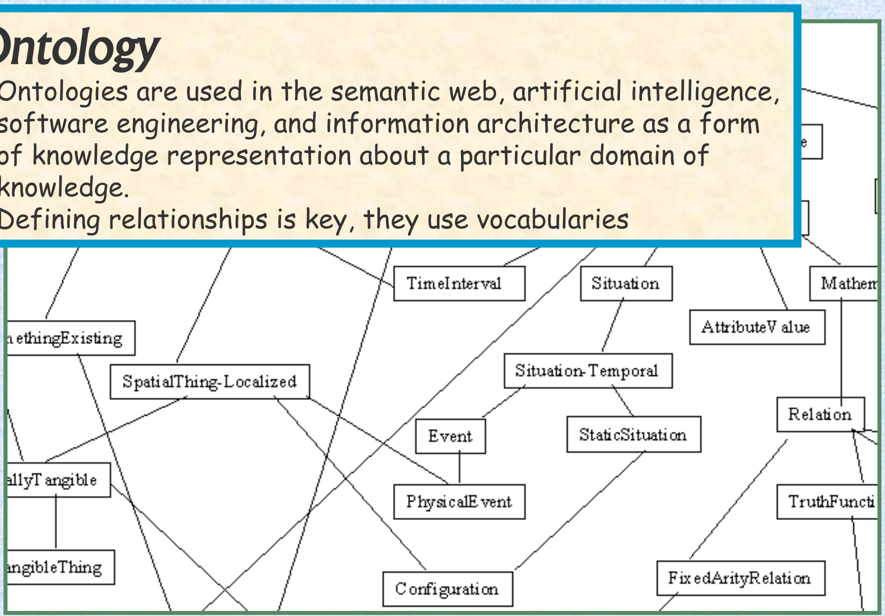
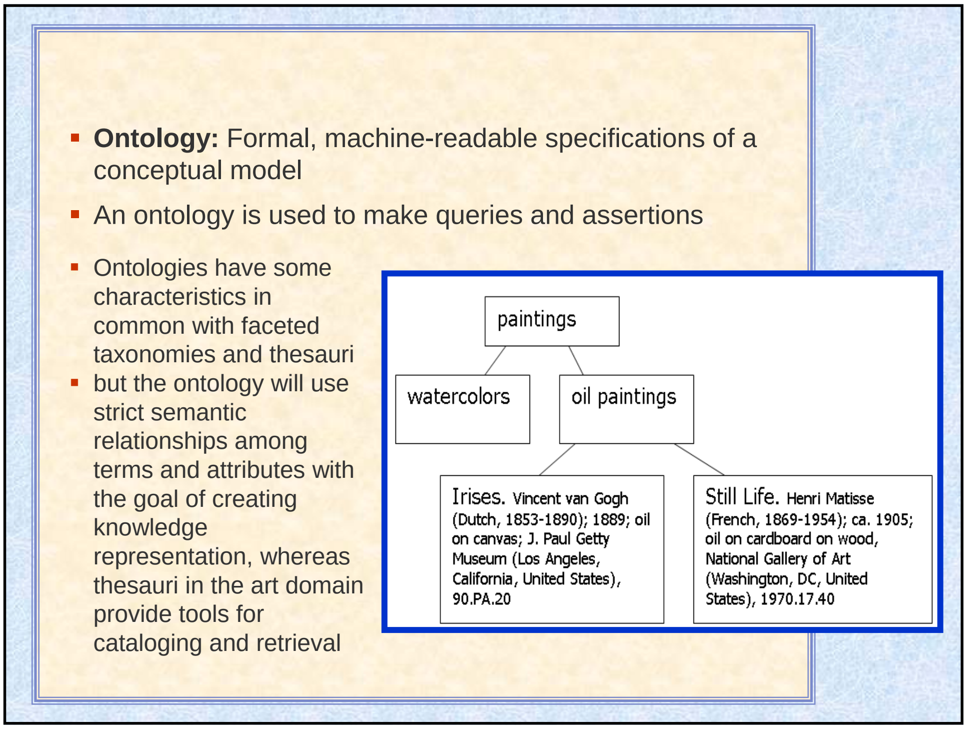

TimeInterval
Situation
Mathem
ethingExisting
AttributeValue
SpatialThing-Localized
Situation-Temporal
Event
StaticSituation
Relation
allyTangible
PhysicalEvent
TruthFuncti
angibleThing
Configuration
FixedArityRelation

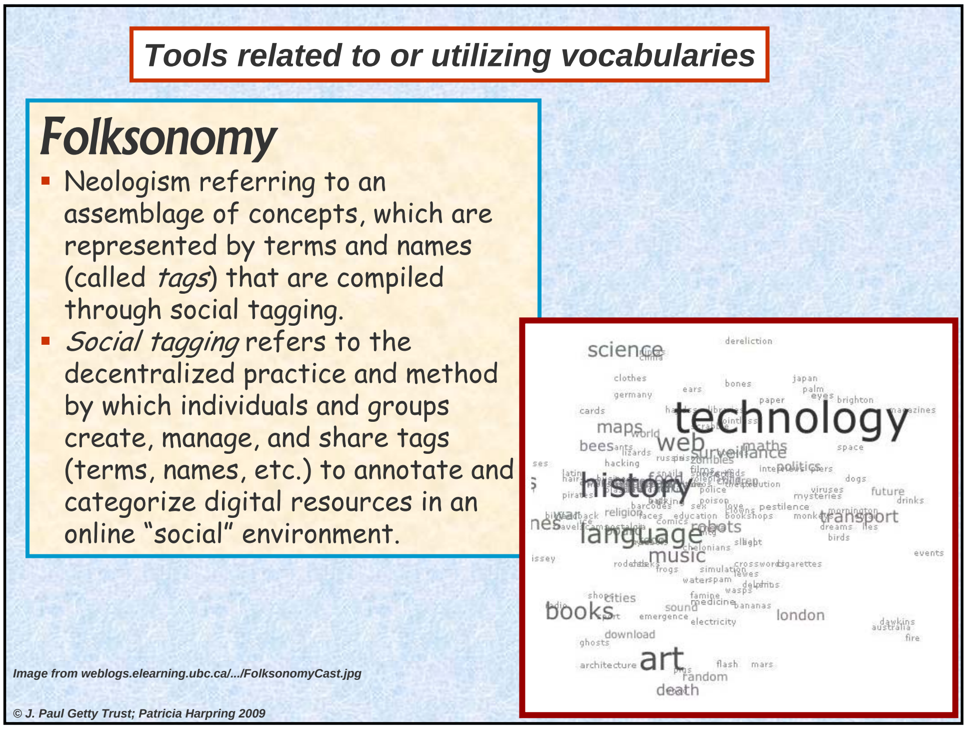
Image from www.cyc.com/cycdoc/img/UpperOntology.gif

- **Ontology:** Formal, machine-readable specifications of a conceptual model
- Concepts, properties, relationships, functions, constraints, and axioms are all explicitly defined
- Not a controlled vocabulary, but uses one or more controlled vocabularies for a defined domain and expresses the vocabulary in a representative language that has a grammar for using vocabulary terms to express something meaningful
- Ontologies generally divide their world into the following areas: individuals, classes, attributes, relations, and events
- The grammar of the ontology links these areas together by formal constraints that determine how the vocabulary terms or phrases may be used together



- **Ontology:** Formal, machine-readable specifications of a conceptual model
- An ontology is used to make queries and assertions
- Ontologies have some characteristics in common with faceted taxonomies and thesauri
- but the ontology will use strict semantic relationships among terms and attributes with the goal of creating knowledge representation, whereas thesauri in the art domain provide tools for cataloging and retrieval

paintings
watercolors
oil paintings
Irises. Vincent van Gogh (Dutch, 1853-1890); 1889; oil on canvas; J. Paul Getty Museum (Los Angeles, California, United States), 90.PA.20
Still Life. Henri Matisse (French, 1869-1954); ca. 1905; oil on cardboard on wood, National Gallery of Art (Washington, DC, United States), 1970.17.40



Tools related to or utilizing vocabularies

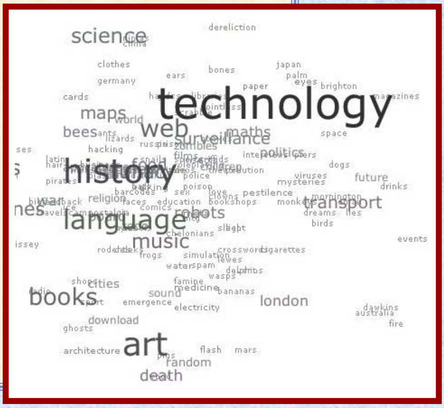
Folksonomy

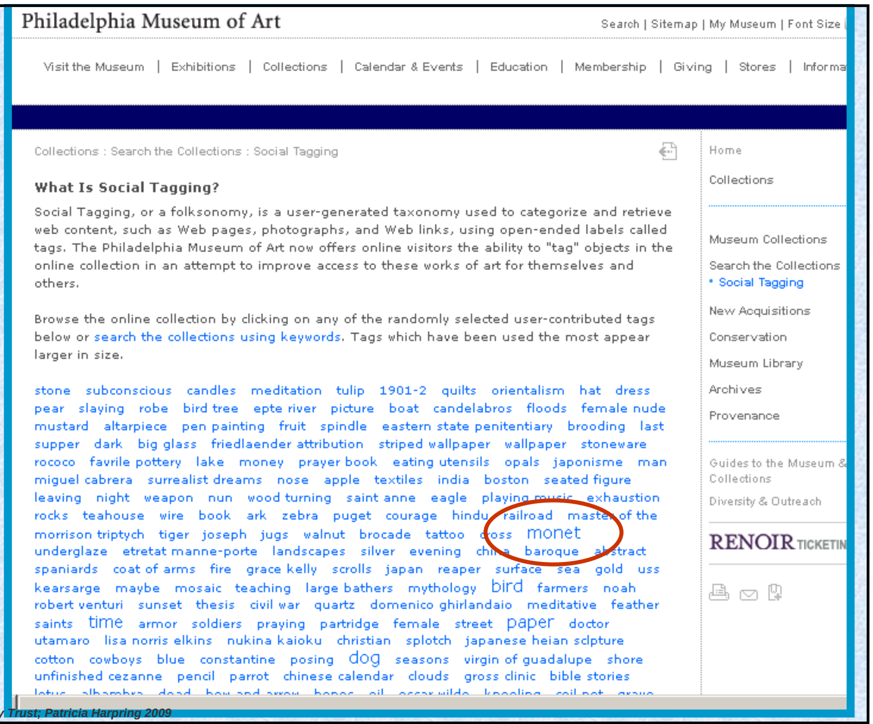
- Neologism referring to an assemblage of concepts, which are represented by terms and names (called *tags*) that are compiled through social tagging.
- *Social tagging* refers to the decentralized practice and method by which individuals and groups create, manage, and share tags (terms, names, etc.) to annotate and categorize digital resources in an online "social" environment.

science
dereliction
technology
maps
web
surveillance
maths
history
politics
language
robots
transport
music
books
london
art
random
death

Image from weblogs.elearning.ubc.ca/.../FolksonomyCast.jpg

- **Folksonomy:** Assemblage of concepts that are represented by terms and names (called *tags*) that are compiled through social tagging
  - Not a controlled vocabulary, but could use vocabularies; used for retrieval
  - *Social tagging* = decentralized practice where individuals and groups create, manage, and share tags (terms, names, etc.) to annotate digital resources in an online “social” environment
  - Typically without hierarchical structure, typically have no preferred term for a concept, and may not even cluster synonyms
  - By definition not applied to indexing by professional indexers, generally characterized by non-standard, idiosyncratic tagging


science
dereliction
technology
maps
web
surveillance
maths
politics
bees
history
language
robots
transport
music
future
books
london
sound
download
art
fandom
death


Philadelphia Museum of Art
Search | Sitemap | My Museum | Font Size
Visit the Museum | Exhibitions | Collections | Calendar & Events | Education | Membership | Giving | Stores | Informa
Collections : Search the Collections : Social Tagging
Home
Collections
Museum Collections
Search the Collections
• Social Tagging
New Acquisitions
Conservation
Museum Library
Archives
Provenance
Guides to the Museum & Collections
Diversity & Outreach
RENOIR TICKETIN

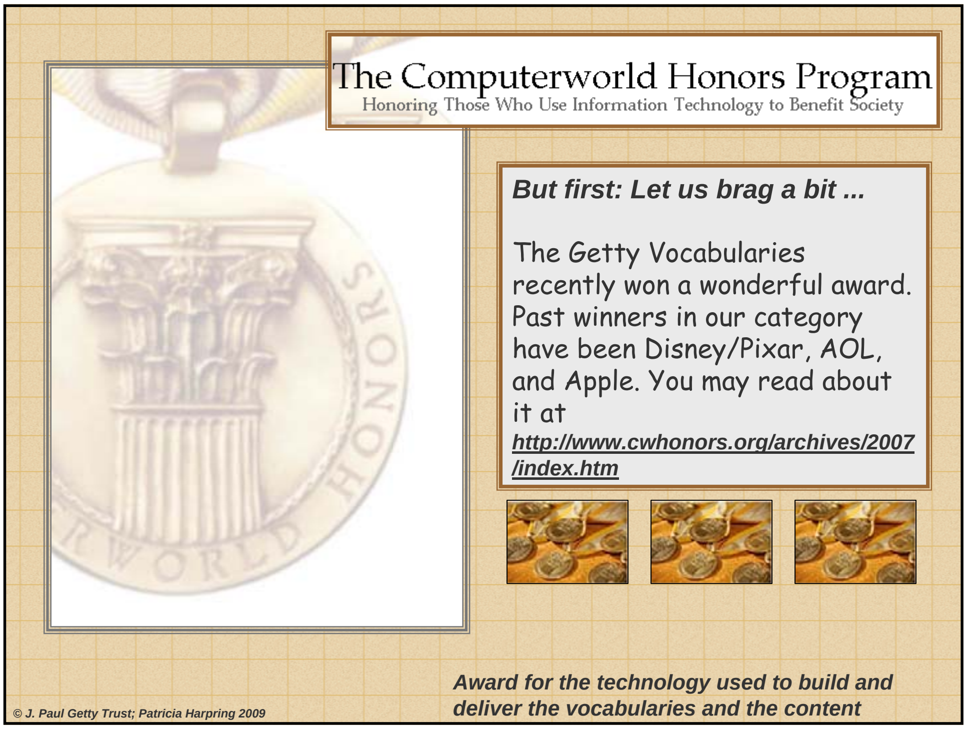
What Is Social Tagging?

Social Tagging, or a folksonomy, is a user-generated taxonomy used to categorize and retrieve web content, such as Web pages, photographs, and Web links, using open-ended labels called tags. The Philadelphia Museum of Art now offers online visitors the ability to "tag" objects in the online collection in an attempt to improve access to these works of art for themselves and others.

Browse the online collection by clicking on any of the randomly selected user-contributed tags below or search the collections using keywords. Tags which have been used the most appear larger in size.

stone subconscious candles meditation tulip 1901-2 quilts orientalism hat dress pear slaying robe bird tree epte river picture boat candelabros floods female nude mustard altarpiece pen painting fruit spindle eastern state penitentiary brooding last supper dark big glass friedlaender attribution striped wallpaper wallpaper stoneware rococo favrile pottery lake money prayer book eating utensils opals japonisme man miguel cabrera surrealist dreams nose apple textiles india boston seated figure leaving night weapon nun wood turning saint anne eagle playing music exhaustion rocks teahouse wire book ark zebra puget courage hindu railroad master of the morrison triptych tiger joseph jugs walnut brocade tattoo cross monet underglaze etretat manne-porte landscapes silver evening china baroque abstract spaniards coat of arms fire grace kelly scrolls japan reaper surface sea gold uss kearsarge maybe mosaic teaching large bathers mythology bird farmers noah robert venturi sunset thesis civil war quartz domenico ghirlandaio meditative feather saints time armor soldiers praying partridge female street paper doctor utamaro lisa norris elkins nukina kaioku christian splotch japanese heian sclpture cotton cowboys blue constantine posing dog seasons virgin of guadalupe shore unfinished cezanne pencil parrot chinese calendar clouds gross clinic bible stories

Brief Overview: Getty Vocabularies

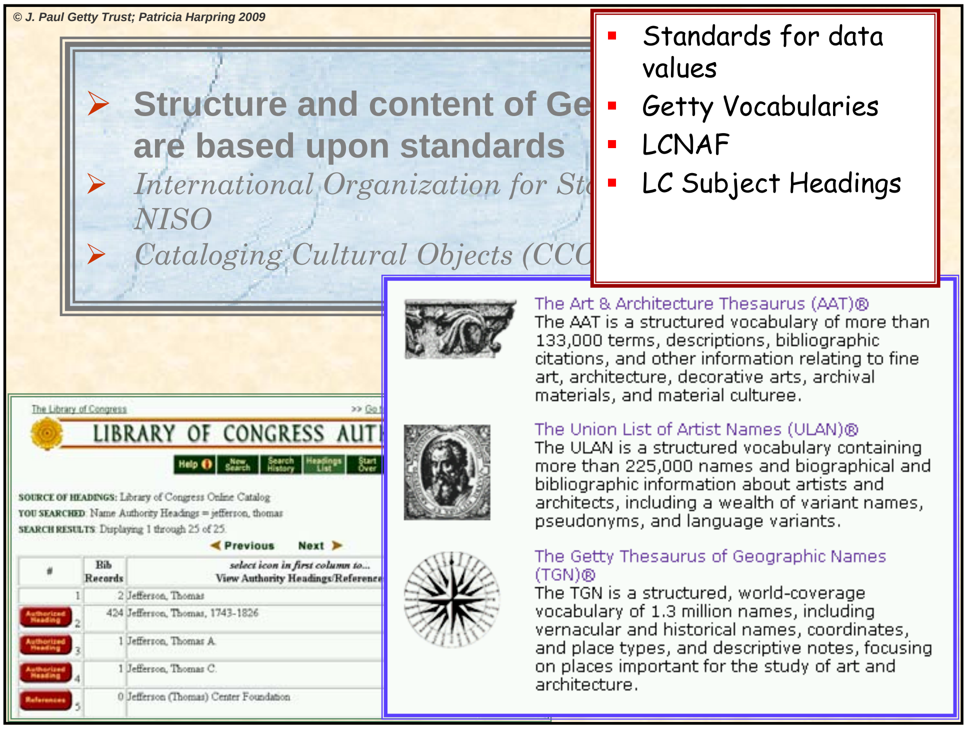


The Computerworld Honors Program
Honoring Those Who Use Information Technology to Benefit Society

But first: Let us brag a bit ...

The Getty Vocabularies recently won a wonderful award. Past winners in our category have been Disney/Pixar, AOL, and Apple. You may read about it at ***http://www.cwhonors.org/archives/2007/index.htm***

Award for the technology used to build and deliver the vocabularies and the content



- Structure and content of Ge are based upon standards
- *International Organization for St NISO*
- *Cataloging Cultural Objects (CCC*

- Standards for data values
- Getty Vocabularies
- LCNAF
- LC Subject Headings

The Library of Congress

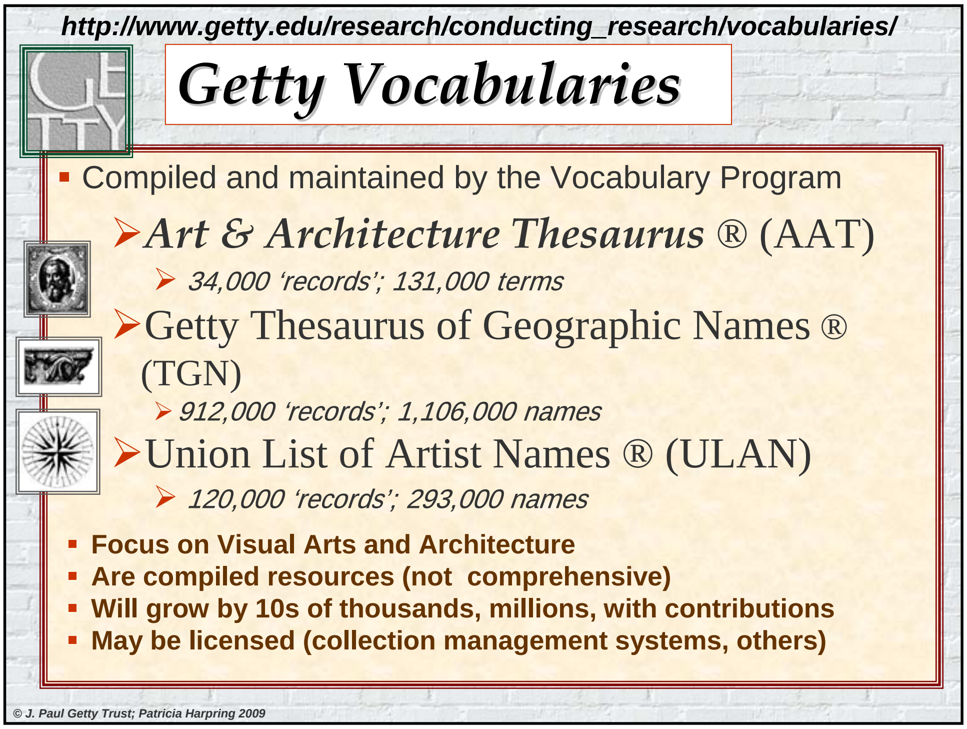
SOURCE OF HEADINGS: Library of Congress Online Catalog
YOU SEARCHED: Name Authority Headings = jefferson, thomas
SEARCH RESULTS: Displaying 1 through 25 of 25.

#	Bib Records	*select icon in first column to...* View Authority Headings/Reference
1	2	Jefferson, Thomas
Authorized Heading 2	424	Jefferson, Thomas, 1743-1826
Authorized Heading 3	1	Jefferson, Thomas A.
Authorized Heading 4	1	Jefferson, Thomas C.
References 5	0	Jefferson (Thomas) Center Foundation

The Art & Architecture Thesaurus (AAT)®
The AAT is a structured vocabulary of more than 133,000 terms, descriptions, bibliographic citations, and other information relating to fine art, architecture, decorative arts, archival materials, and material culturee.

The Union List of Artist Names (ULAN)®
The ULAN is a structured vocabulary containing more than 225,000 names and biographical and bibliographic information about artists and architects, including a wealth of variant names, pseudonyms, and language variants.

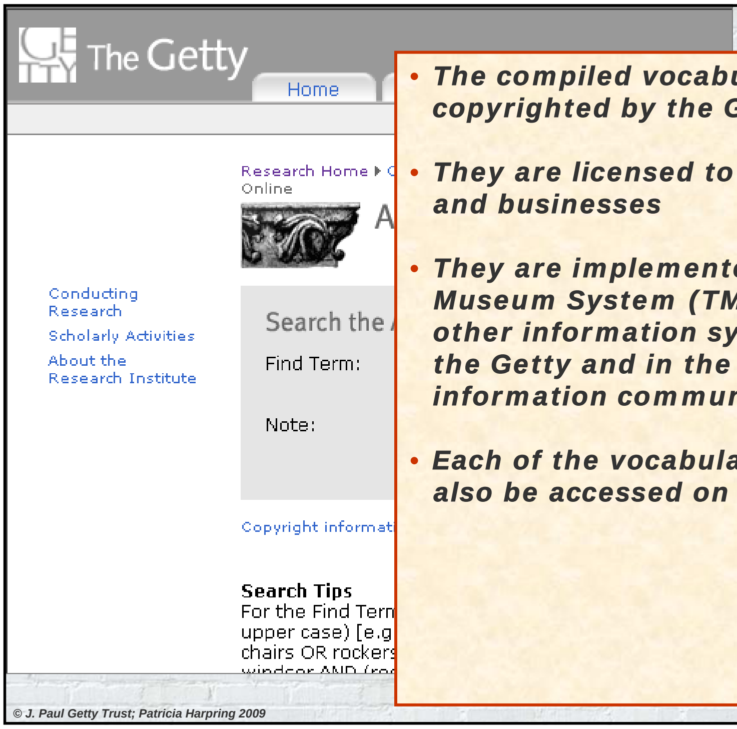
The Getty Thesaurus of Geographic Names (TGN)®
The TGN is a structured, world-coverage vocabulary of 1.3 million names, including vernacular and historical names, coordinates, and place types, and descriptive notes, focusing on places important for the study of art and architecture.



http://www.getty.edu/research/conducting_research/vocabularies/

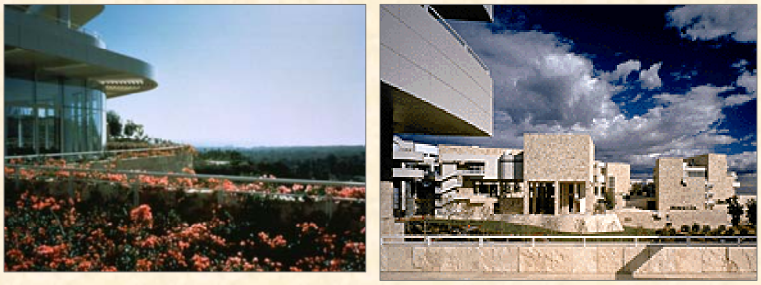
Getty Vocabularies

- Compiled and maintained by the Vocabulary Program
  - ***Art & Architecture Thesaurus*** ® (AAT)
    - *34,000 'records'; 131,000 terms*
  - Getty Thesaurus of Geographic Names ® (TGN)
    - *912,000 'records'; 1,106,000 names*
  - Union List of Artist Names ® (ULAN)
    - *120,000 'records'; 293,000 names*
- **Focus on Visual Arts and Architecture**
- **Are compiled resources (not comprehensive)**
- **Will grow by 10s of thousands, millions, with contributions**
- **May be licensed (collection management systems, others)**


The Getty
Home
Research Home ▸ C
Online
A
Conducting Research
Scholarly Activities
About the Research Institute
Search the A
Find Term:
Note:
Copyright informat
Search Tips
For the Find Term
upper case) [e.g
chairs OR rockers
windsor AND (roc

- ***The compiled vocabularies are copyrighted by the Getty***
- ***They are licensed to institutions and businesses***
- ***They are implemented in The Museum System (TMS) and other information systems at the Getty and in the broader art information community***
- ***Each of the vocabularies can also be accessed on line***

- The AAT, ULAN, and TGN were begun in the mid-1980s
- To meet the needs of the art museum, visual resources, archives, and art library communities for authoritative vocabularies to aid in the indexing and retrieval of art information
- Each was conceived and constructed differently, with the AAT originally located in Williamstown, Massachusetts



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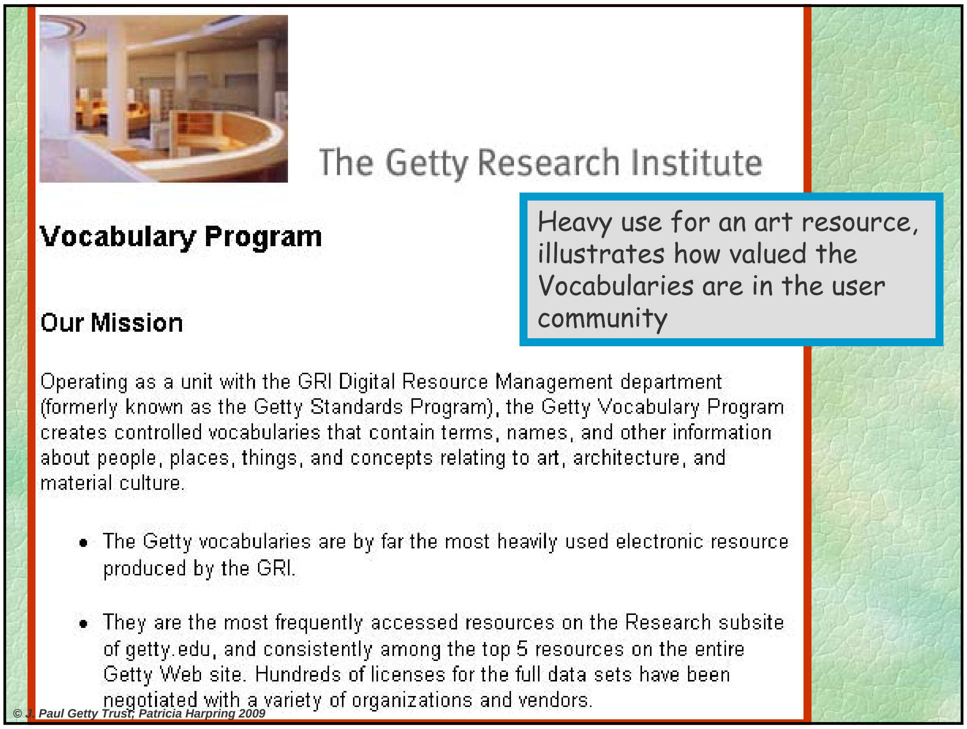
- The three vocabularies were united under one roof, with a common data structure, editorial system, and set of editorial rules beginning in 1995
- The history, scope, and detailed information about the data in each of the vocabularies may be found at About the AAT, About the ULAN, and About the TGN
- A fourth Getty vocabulary, the Cultural Objects Name Authority (CONA), is being planned for initial release to the user community in 2010



The Getty Research Institute

Vocabulary Program

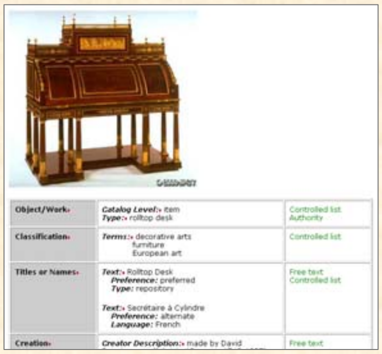
Our Mission

Operating as a unit with the GRI Digital Resource Management department (formerly known as the Getty Standards Program), the Getty Vocabulary Program creates controlled vocabularies that contain terms, names, and other information about people, places, things, and concepts relating to art, architecture, and material culture.

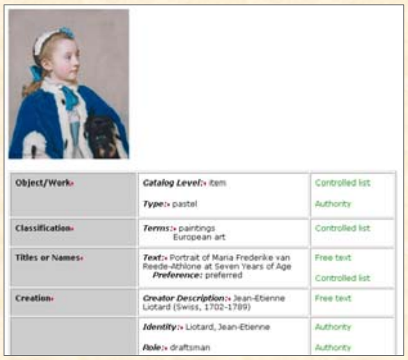
- The Getty vocabularies are by far the most heavily used electronic resource produced by the GRI.
- They are the most frequently accessed resources on the Research subsite of getty.edu, and consistently among the top 5 resources on the entire Getty Web site. Hundreds of licenses for the full data sets have been negotiated with a variety of organizations and vendors.

Heavy use for an art resource, illustrates how valued the Vocabularies are in the user community

- The Getty vocabularies are used by various audiences
    - by catalogers or indexers who are describing works of art, archival materials, visual surrogates, or bibliographic materials
    - by researchers
    - by systems implementers creating search tools to enhance end-user access to online resources



Object/Work	***Catalog Level:*** item ***Type:*** rolltop desk	Controlled list Authority
Classification	***Terms:*** decorative arts furniture European art	Controlled list
Titles or Names	***Text:*** Rolltop Desk ***Preference:*** preferred ***Type:*** repository ***Text:*** Secrétaire à Cylindre ***Preference:*** alternate ***Language:*** French	Free text Controlled list
Creation	***Creator Description:*** made by David	Free text



Object/Work	***Catalog Level:*** item ***Type:*** pastel	Controlled list Authority
Classification	***Terms:*** paintings European art	Controlled list
Titles or Names	***Text:*** Portrait of Maria Frederike van Reede-Athlone at Seven Years of Age ***Preference:*** preferred	Free text Controlled list
Creation	***Creator Description:*** Jean-Etienne Liotard (Swiss, 1702-1789)	Free text
	Identity: Liotard, Jean-Etienne ***Role:*** draftsman	Authority Authority

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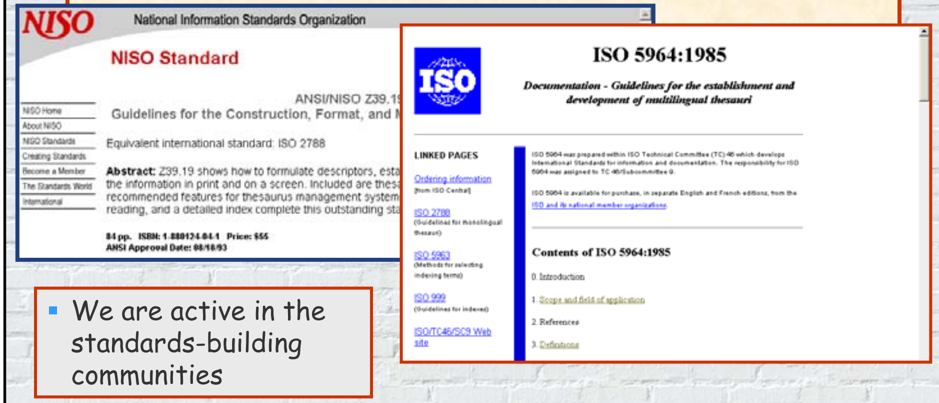
    - by catalogers or indexers who are describing works of art, archival materials, visual surrogates, or bibliographic materials
    - by researchers
    - by systems implementers creating search tools to enhance end-user access to online resources

- There are over 200 licenses for the vocabularies, which may each represent a large number of users of a vendor's system
- In addition, the online Web presentation of the vocabularies typically supports around 180,000 sessions by users each month
- Making the Getty vocabularies t online resource at the Getty Re the most heavily accessed at th

Heavy use for an art resource, illustrates how valued the Vocabularies are in the user community

- The Getty vocabularies comply with national and international standards for thesaurus construction.



NISO National Information Standards Organization

NISO Standard

ANSI/NISO Z39.19

Guidelines for the Construction, Format, and M

Equivalent international standard: ISO 2788

Abstract: Z39.19 shows how to formulate descriptors, esta the information in print and on a screen. Included are thesa recommended features for thesaurus management system reading, and a detailed index complete this outstanding sta

84 pp. ISBN: 1-880124-04-1 Price: $55
ANSI Approval Date: 08/18/93

ISO 5964:1985

Documentation - Guidelines for the establishment and development of multilingual thesauri

LINKED PAGES

Ordering information (from ISO Central)

ISO 2788 (Guidelines for monolingual thesauri)

ISO 5963 (Methods for selecting indexing terms)

ISO 999 (Guidelines for indexes)

ISO/TC46/SC9 Web site

ISO 5964 was prepared within ISO Technical Committee (TC) 46 which develops International Standards for information and documentation. The responsibility for ISO 5964 was assigned to TC 46/Subcommittee 9.

ISO 5964 is available for purchase, in separate English and French editions, from the ISO and its national member organizations.

Contents of ISO 5964:1985

0. Introduction
1. Scope and field of application
2. References
3. Definitions

- We are active in the standards-building communities

- Small staff
- Process contributions
- Reliance on user community

Usage Statistics: Third Quarter FY09	
Total number of unique users:	125,876
Total number of unique "visits":	162,104

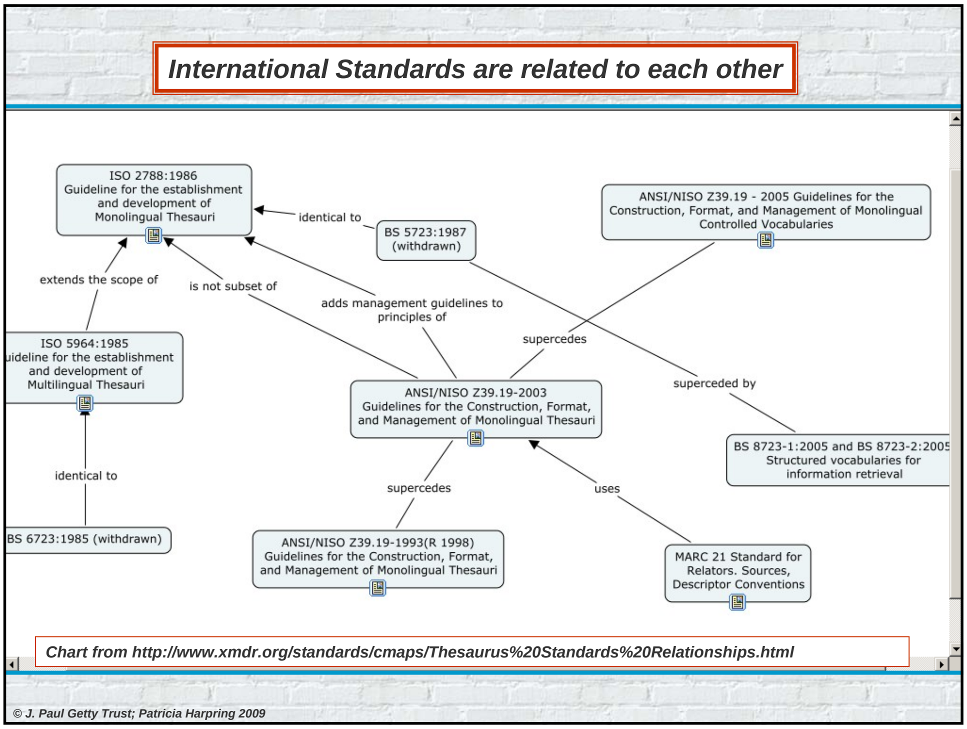
Production Statistics: Third Quarter FY09	
Records edited or added:	18,401

Patricia Harpring

Antonio Beecroft

Robin Johnson

Jonathan Ward



International Standards are related to each other

ISO 2788:1986
Guideline for the establishment and development of Monolingual Thesauri

identical to

BS 5723:1987 (withdrawn)

ANSI/NISO Z39.19 - 2005 Guidelines for the Construction, Format, and Management of Monolingual Controlled Vocabularies

extends the scope of

is not subset of

adds management guidelines to principles of

supercedes

ISO 5964:1985
uideline for the establishment and development of Multilingual Thesauri

superceded by

ANSI/NISO Z39.19-2003
Guidelines for the Construction, Format, and Management of Monolingual Thesauri

BS 8723-1:2005 and BS 8723-2:2005
Structured vocabularies for information retrieval

identical to

supercedes

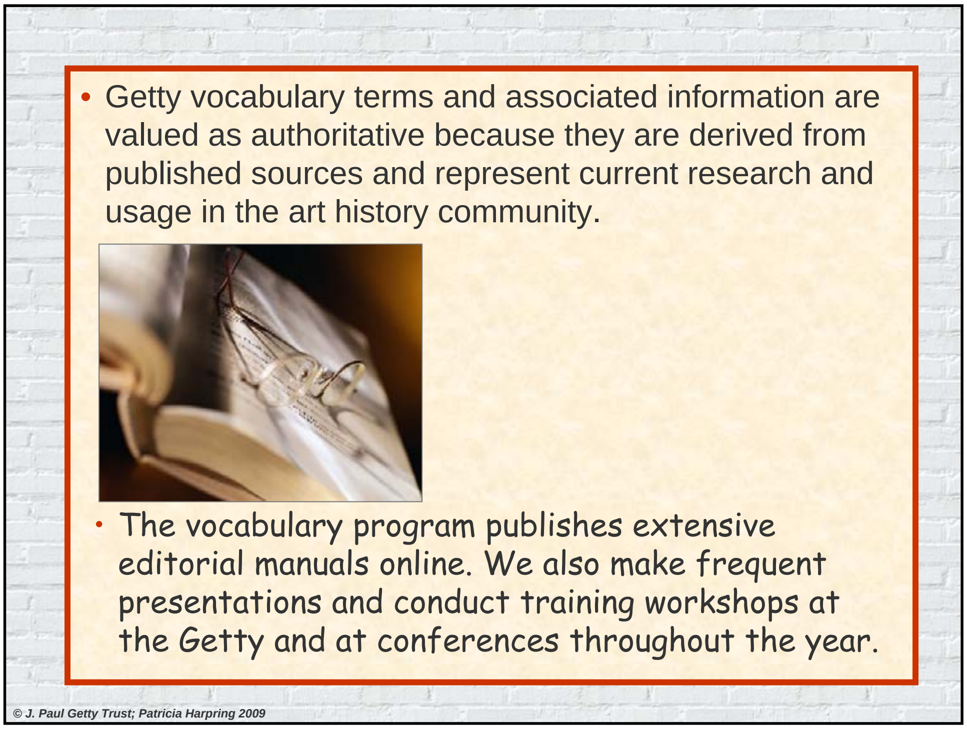
uses

BS 6723:1985 (withdrawn)

ANSI/NISO Z39.19-1993(R 1998)
Guidelines for the Construction, Format, and Management of Monolingual Thesauri

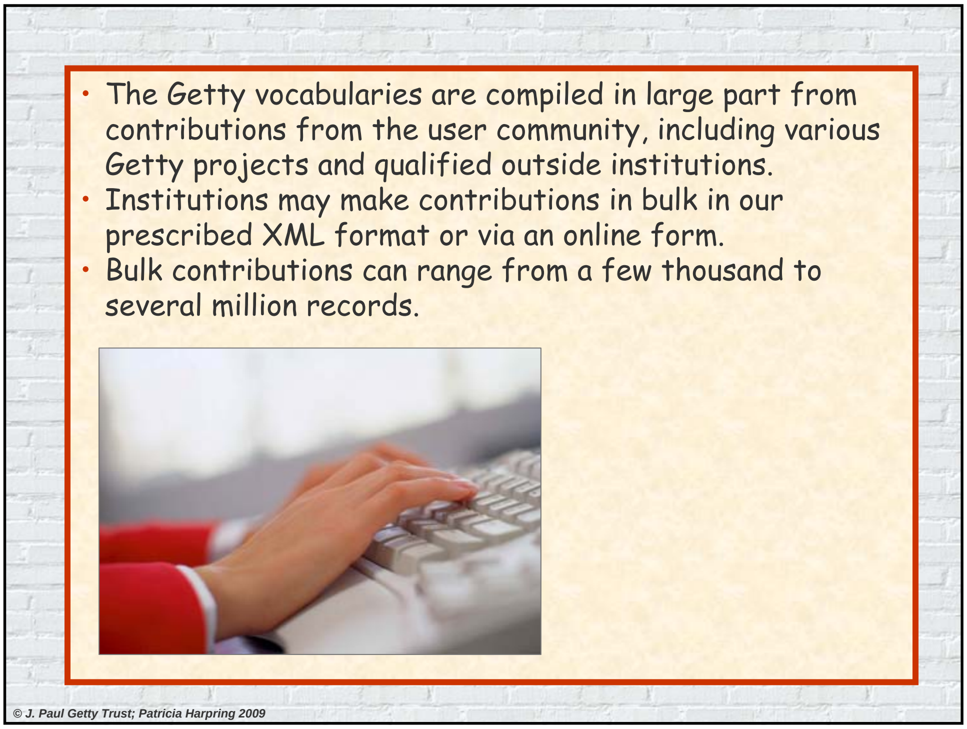
MARC 21 Standard for Relators. Sources, Descriptor Conventions

Chart from http://www.xmdr.org/standards/cmaps/Thesaurus%20Standards%20Relationships.html

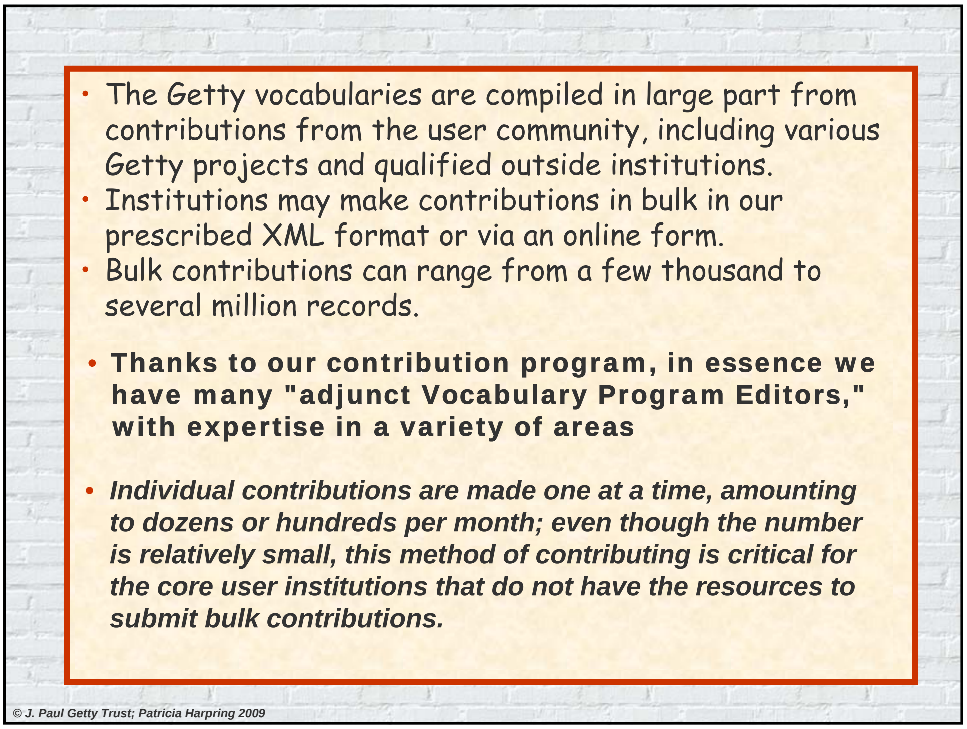


- Getty vocabulary terms and associated information are valued as authoritative because they are derived from published sources and represent current research and usage in the art history community.

- The vocabulary program publishes extensive editorial manuals online. We also make frequent presentations and conduct training workshops at the Getty and at conferences throughout the year.



- The Getty vocabularies are compiled in large part from contributions from the user community, including various Getty projects and qualified outside institutions.
- Institutions may make contributions in bulk in our prescribed XML format or via an online form.
- Bulk contributions can range from a few thousand to several million records.



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- Institutions may make contributions in bulk in our prescribed XML format or via an online form.
- Bulk contributions can range from a few thousand to several million records.

- **Thanks to our contribution program, in essence we have many "adjunct Vocabulary Program Editors," with expertise in a variety of areas**

- ***Individual contributions are made one at a time, amounting to dozens or hundreds per month; even though the number is relatively small, this method of contributing is critical for the core user institutions that do not have the resources to submit bulk contributions.***

- Contributions to our vocabularies are vetted, managed, edited, augmented, merged with existing data, placed into hierarchies and other relationships, and published by the Getty Vocabulary Program.
- Licensed files are released annually; the data on the Web site is refreshed every month.

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- Licensed files are released annually; the data on the Web site is refreshed every month.

- The systems in place to allow this work were built and are maintained by a dedicated group from the Getty Information Technology Services (ITS), who worked on user requirements and testing in close cooperation with the Vocabulary Program.
- *Systems to edit data, add data, load data; to publish data; reports for work flow, quality control, and publication; to allow contributions via online and XML.*

- We work closely with various cataloging projects all over the Getty and with ITS.
- Members of our staff are co-editors of the Categories for the Description of Works of Art (CDWA) and Cataloging Cultural Objects (CCO), which are standards and editorial rules for cataloging art and architecture, and CDWA Lite, which is a standard for the exchange of art information.

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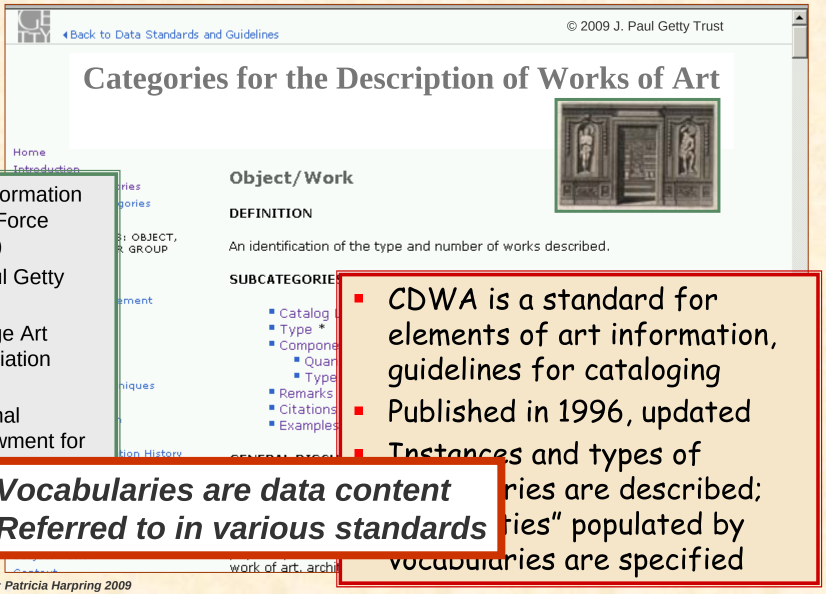
http://www.getty.edu/research/conducting_research/standards/cdwa

Categories for the Description of Works of Art CDWA


Back to Data Standards and Guidelines
© 2009 J. Paul Getty Trust
Home
Introduction

Categories for the Description of Works of Art

Object/Work

DEFINITION

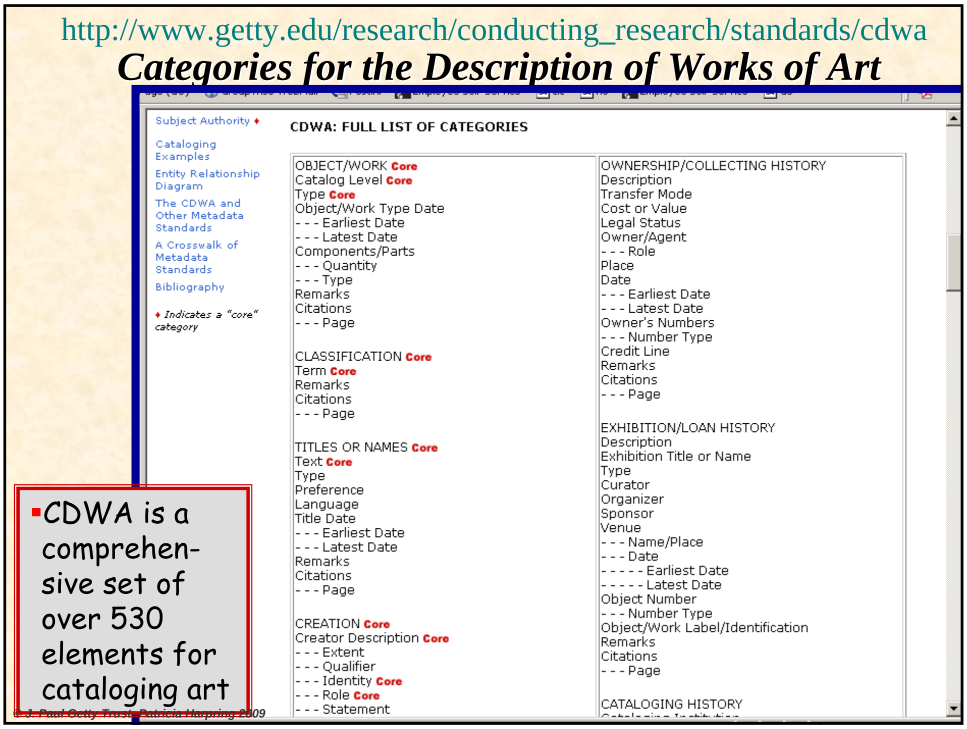
An identification of the type and number of works described.

SUBCATEGORIES

- Art Information Task Force (AITF)
- J. Paul Getty Trust
- College Art Association (CAA)
- National Endowment for the (NE

- CDWA is a standard for elements of art information, guidelines for cataloging
- Published in 1996, updated
- Instances and types of ries are described; ties” populated by vocabularies are specified

Vocabularies are data content
Referred to in various standards



http://www.getty.edu/research/conducting_research/standards/cdwa

Categories for the Description of Works of Art

Subject Authority ♦
Cataloging Examples
Entity Relationship Diagram
The CDWA and Other Metadata Standards
A Crosswalk of Metadata Standards
Bibliography
♦ Indicates a "core" category

CDWA: FULL LIST OF CATEGORIES

OBJECT/WORK **Core**
Catalog Level **Core**
Type **Core**
Object/Work Type Date
- - - Earliest Date
- - - Latest Date
Components/Parts
- - - Quantity
- - - Type
Remarks
Citations
- - - Page

CLASSIFICATION **Core**
Term **Core**
Remarks
Citations
- - - Page

TITLES OR NAMES **Core**
Text **Core**
Type
Preference
Language
Title Date
- - - Earliest Date
- - - Latest Date
Remarks
Citations
- - - Page

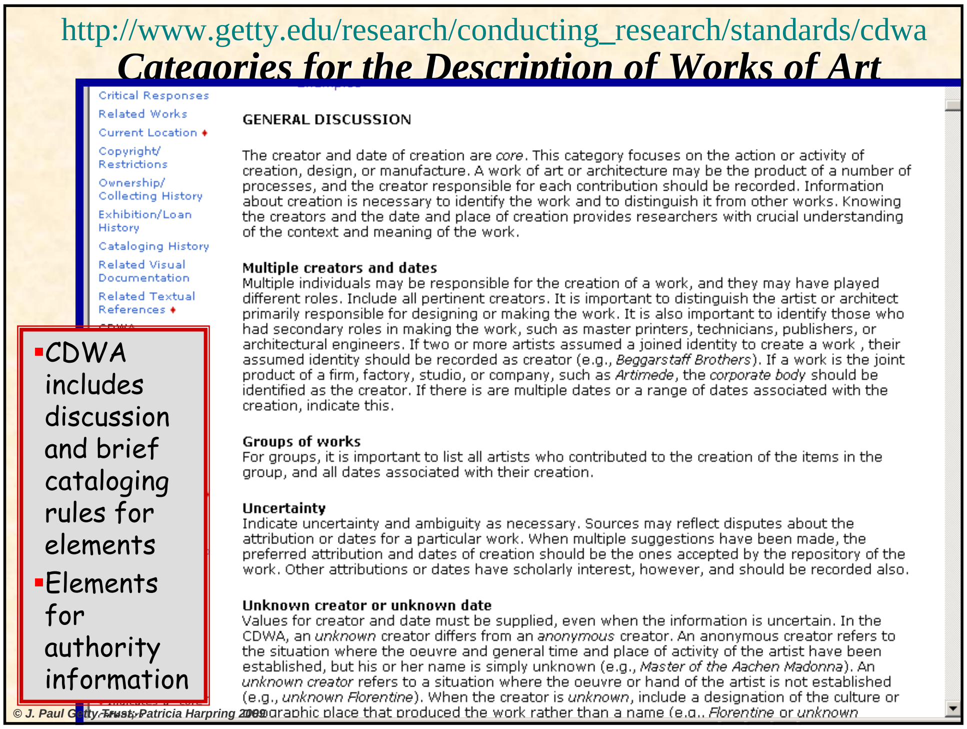
CREATION **Core**
Creator Description **Core**
- - - Extent
- - - Qualifier
- - - Identity **Core**
- - - Role **Core**
- - - Statement

OWNERSHIP/COLLECTING HISTORY
Description
Transfer Mode
Cost or Value
Legal Status
Owner/Agent
- - - Role
Place
Date
- - - Earliest Date
- - - Latest Date
Owner's Numbers
- - - Number Type
Credit Line
Remarks
Citations
- - - Page

EXHIBITION/LOAN HISTORY
Description
Exhibition Title or Name
Type
Curator
Organizer
Sponsor
Venue
- - - Name/Place
- - - Date
- - - - - Earliest Date
- - - - - Latest Date
Object Number
- - - Number Type
Object/Work Label/Identification
Remarks
Citations
- - - Page

CATALOGING HISTORY

- CDWA is a comprehensive set of over 530 elements for cataloging art



http://www.getty.edu/research/conducting_research/standards/cdwa

Categories for the Description of Works of Art

GENERAL DISCUSSION

The creator and date of creation are *core*. This category focuses on the action or activity of creation, design, or manufacture. A work of art or architecture may be the product of a number of processes, and the creator responsible for each contribution should be recorded. Information about creation is necessary to identify the work and to distinguish it from other works. Knowing the creators and the date and place of creation provides researchers with crucial understanding of the context and meaning of the work.

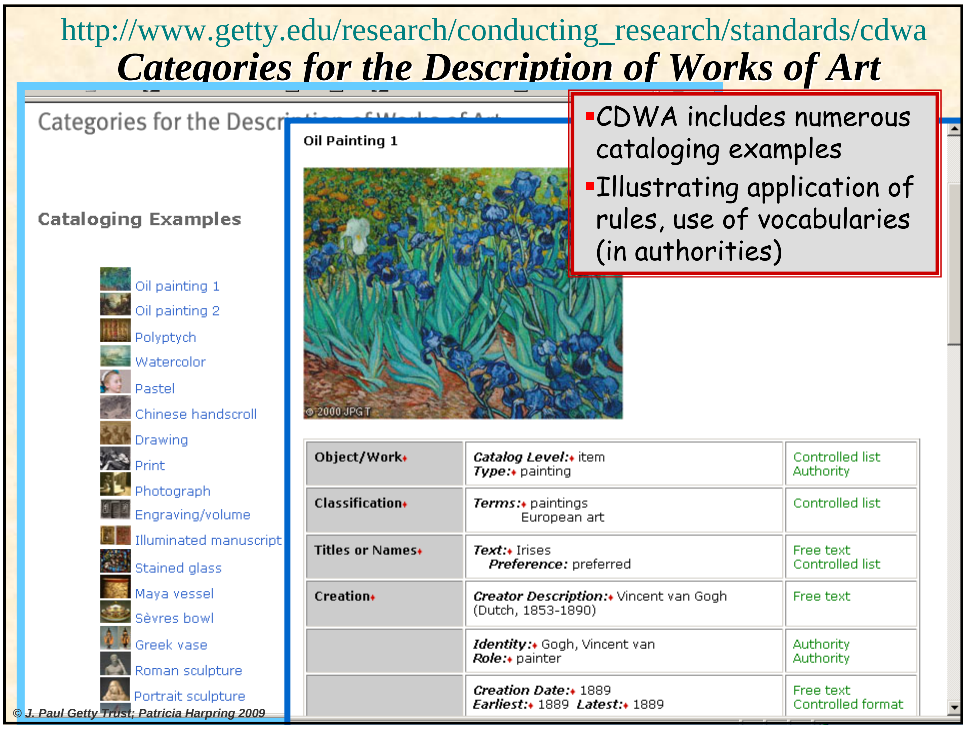
Multiple creators and dates
Multiple individuals may be responsible for the creation of a work, and they may have played different roles. Include all pertinent creators. It is important to distinguish the artist or architect primarily responsible for designing or making the work. It is also important to identify those who had secondary roles in making the work, such as master printers, technicians, publishers, or architectural engineers. If two or more artists assumed a joined identity to create a work , their assumed identity should be recorded as creator (e.g., *Beggarstaff Brothers*). If a work is the joint product of a firm, factory, studio, or company, such as *Artimede*, the *corporate body* should be identified as the creator. If there is are multiple dates or a range of dates associated with the creation, indicate this.

Groups of works
For groups, it is important to list all artists who contributed to the creation of the items in the group, and all dates associated with their creation.

Uncertainty
Indicate uncertainty and ambiguity as necessary. Sources may reflect disputes about the attribution or dates for a particular work. When multiple suggestions have been made, the preferred attribution and dates of creation should be the ones accepted by the repository of the work. Other attributions or dates have scholarly interest, however, and should be recorded also.

Unknown creator or unknown date
Values for creator and date must be supplied, even when the information is uncertain. In the CDWA, an *unknown* creator differs from an *anonymous* creator. An anonymous creator refers to the situation where the oeuvre and general time and place of activity of the artist have been established, but his or her name is simply unknown (e.g., *Master of the Aachen Madonna*). An *unknown creator* refers to a situation where the oeuvre or hand of the artist is not established (e.g., *unknown Florentine*). When the creator is *unknown*, include a designation of the culture or geographic place that produced the work rather than a name (e.g., *Florentine* or *unknown*

- CDWA includes discussion and brief cataloging rules for elements
- Elements for authority information



http://www.getty.edu/research/conducting_research/standards/cdwa

Categories for the Description of Works of Art

Categories for the Description of Works of Art

Cataloging Examples

- Oil painting 1
- Oil painting 2
- Polyptych
- Watercolor
- Pastel
- Chinese handscroll
- Drawing
- Print
- Photograph
- Engraving/volume
- Illuminated manuscript
- Stained glass
- Maya vessel
- Sèvres bowl
- Greek vase
- Roman sculpture
- Portrait sculpture

Oil Painting 1

© 2000 JPGT

Object/Work♦	***Catalog Level:***♦ item ***Type:***♦ painting	Controlled list Authority
Classification♦	***Terms:***♦ paintings European art	Controlled list
Titles or Names♦	***Text:***♦ Irises ***Preference:*** preferred	Free text Controlled list
Creation♦	***Creator Description:***♦ Vincent van Gogh (Dutch, 1853-1890)	Free text
	Identity:♦ Gogh, Vincent van ***Role:***♦ painter	Authority Authority
	Creation Date:♦ 1889 ***Earliest:***♦ 1889 ***Latest:***♦ 1889	Free text Controlled format

- CDWA includes numerous cataloging examples
- Illustrating application of rules, use of vocabularies (in authorities)

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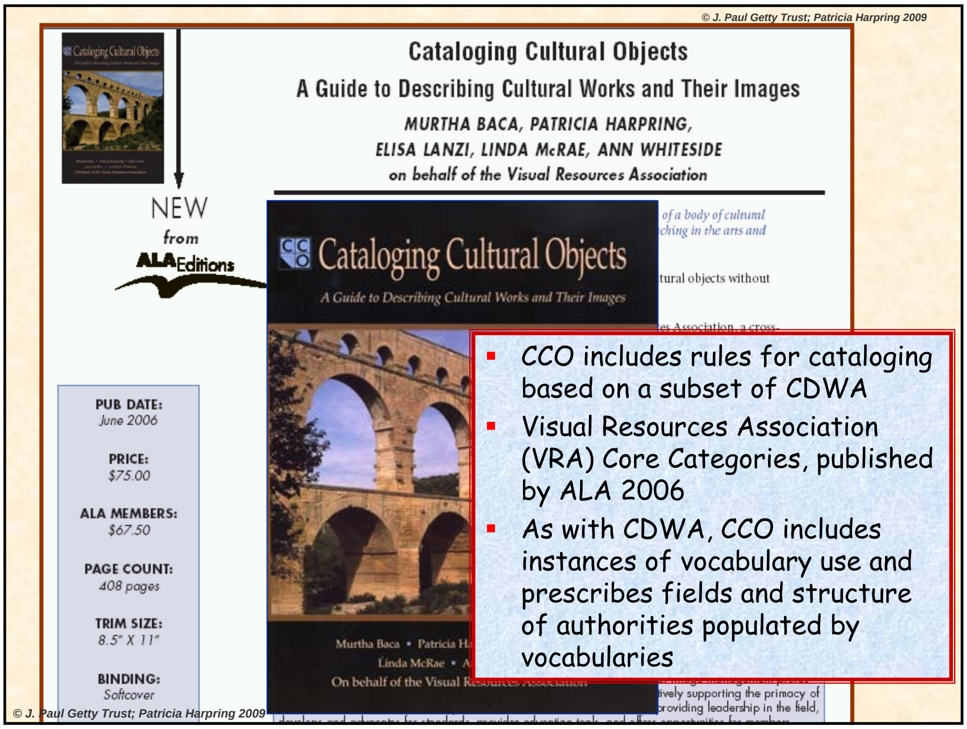

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Cataloging Cultural Objects

A Guide to Describing Cultural Works and Their Images

MURTHA BACA, PATRICIA HARPRING,
ELISA LANZI, LINDA McRAE, ANN WHITESIDE
on behalf of the Visual Resources Association

NEW
from
ALA Editions

Cataloging Cultural Objects
A Guide to Describing Cultural Works and Their Images
Murtha Baca • Patricia H
Linda McRae • A
On behalf of the Visual Resources Association
of a body of cultural
ching in the arts and
tural objects without
es Association, a cross-
tively supporting the primacy of
providing leadership in the field,

PUB DATE:
June 2006

PRICE:
$75.00

ALA MEMBERS:
$67.50

PAGE COUNT:
408 pages

TRIM SIZE:
8.5" X 11"

BINDING:
Softcover

- CCO includes rules for cataloging based on a subset of CDWA
- Visual Resources Association (VRA) Core Categories, published by ALA 2006
- As with CDWA, CCO includes instances of vocabulary use and prescribes fields and structure of authorities populated by vocabularies

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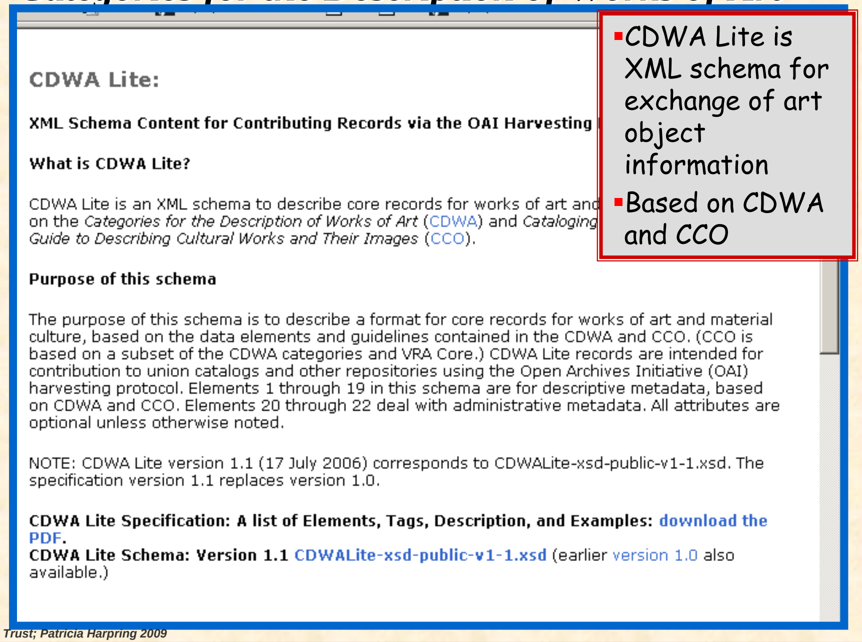
http://www.getty.edu/research/conducting_research/standards/cdwa/cdwalite.html

Categories for the Description of Works of Art



CDWA Lite:

XML Schema Content for Contributing Records via the OAI Harvesting

What is CDWA Lite?

CDWA Lite is an XML schema to describe core records for works of art and
on the *Categories for the Description of Works of Art* (CDWA) and *Cataloging*
Guide to Describing Cultural Works and Their Images (CCO).

Purpose of this schema

The purpose of this schema is to describe a format for core records for works of art and material culture, based on the data elements and guidelines contained in the CDWA and CCO. (CCO is based on a subset of the CDWA categories and VRA Core.) CDWA Lite records are intended for contribution to union catalogs and other repositories using the Open Archives Initiative (OAI) harvesting protocol. Elements 1 through 19 in this schema are for descriptive metadata, based on CDWA and CCO. Elements 20 through 22 deal with administrative metadata. All attributes are optional unless otherwise noted.

NOTE: CDWA Lite version 1.1 (17 July 2006) corresponds to CDWALite-xsd-public-v1-1.xsd. The specification version 1.1 replaces version 1.0.

CDWA Lite Specification: A list of Elements, Tags, Description, and Examples: download the PDF.
CDWA Lite Schema: Version 1.1 CDWALite-xsd-public-v1-1.xsd (earlier version 1.0 also available.)

- CDWA Lite is XML schema for exchange of art object information
- Based on CDWA and CCO

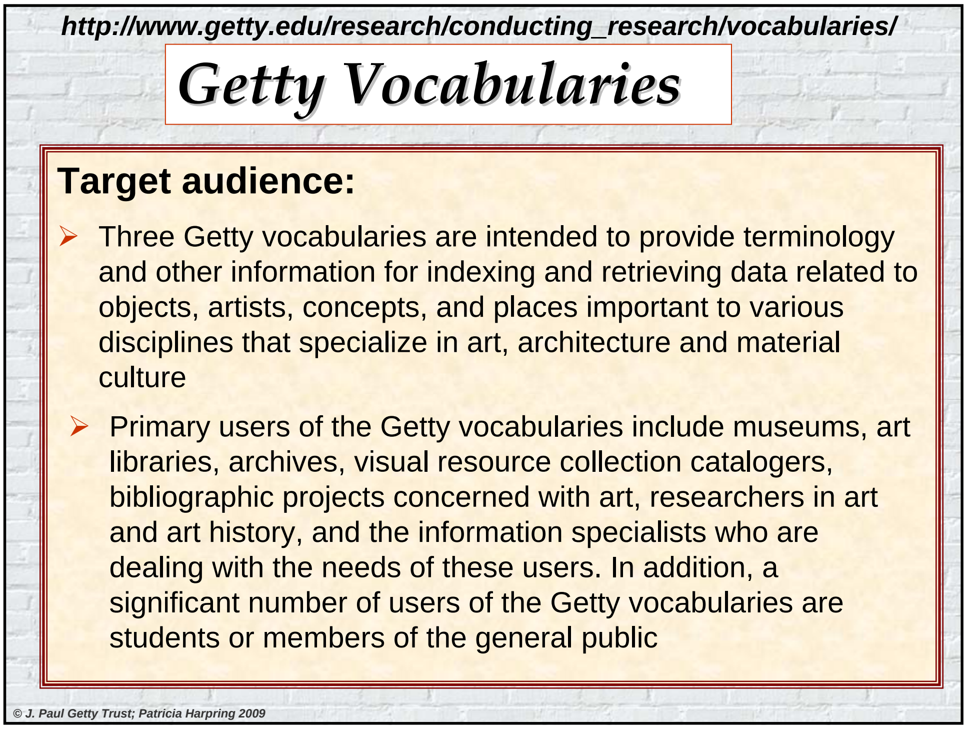
---

http://www.getty.edu/research/conducting_research/vocabularies/

Getty Vocabularies

Resources:

- **Information about AAT, TGN, ULAN: implementers should follow the guidelines here**
  - *http://www.getty.edu/research/conducting_research/vocabularies/aat/about.html*
  - *http://www.getty.edu/research/conducting_research/vocabularies/tgn/about.html*
  - *http://www.getty.edu/research/conducting_research/vocabularies/ulan/about.html*
- **Data dictionaries for the licensed files:**
  - *http://www.getty.edu/research/conducting_research/vocabularies/download.html.*
- **Editorial Manuals:**
  - *http://www.getty.edu/research/conducting_research/vocabularies/editorial_guidelines.html*
- **Information about licensing:** to learn about fees and conditions, send an email to *vocab@getty.edu*, subject = licensing
- **Information about contributions:** send your name, institutional affiliation, scope of proposed vocabulary contributions to vocab@getty.edu, subject = contributions

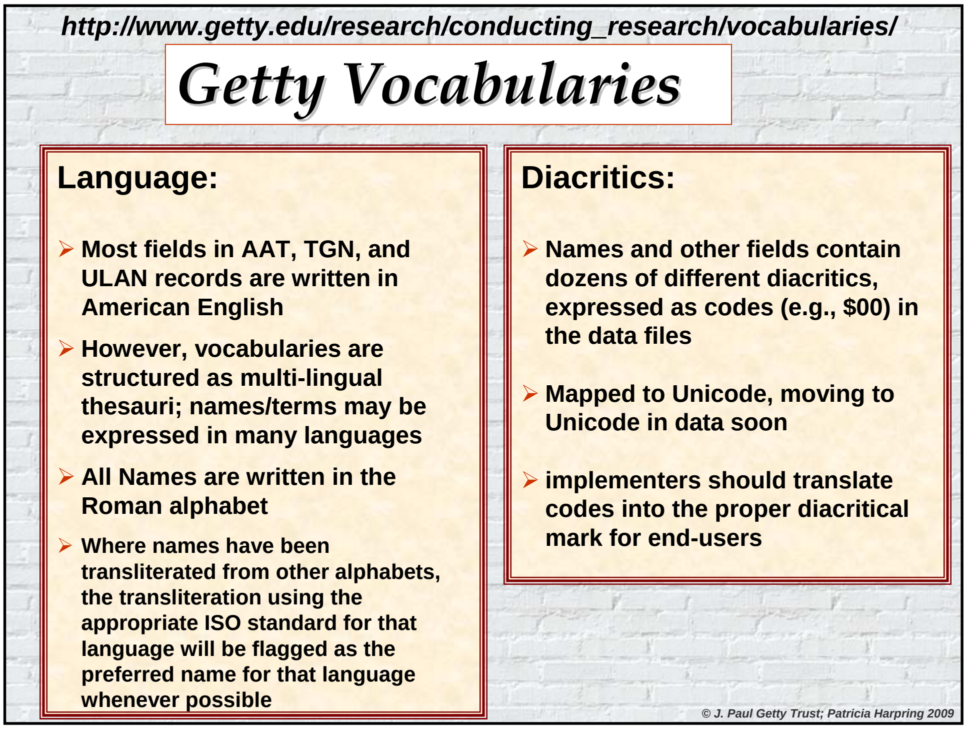


http://www.getty.edu/research/conducting_research/vocabularies/

Getty Vocabularies

Target audience:

- Three Getty vocabularies are intended to provide terminology and other information for indexing and retrieving data related to objects, artists, concepts, and places important to various disciplines that specialize in art, architecture and material culture
- Primary users of the Getty vocabularies include museums, art libraries, archives, visual resource collection catalogers, bibliographic projects concerned with art, researchers in art and art history, and the information specialists who are dealing with the needs of these users. In addition, a significant number of users of the Getty vocabularies are students or members of the general public



http://www.getty.edu/research/conducting_research/vocabularies/

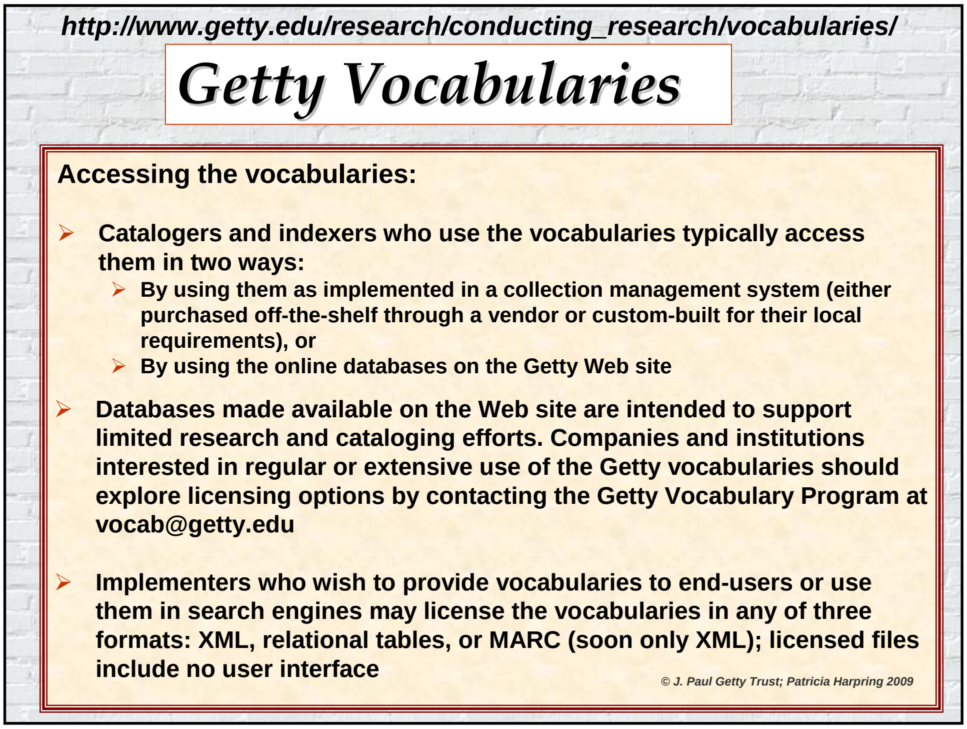
Getty Vocabularies

Language:

- **Most fields in AAT, TGN, and ULAN records are written in American English**
- **However, vocabularies are structured as multi-lingual thesauri; names/terms may be expressed in many languages**
- **All Names are written in the Roman alphabet**
- **Where names have been transliterated from other alphabets, the transliteration using the appropriate ISO standard for that language will be flagged as the preferred name for that language whenever possible**

Diacritics:

- **Names and other fields contain dozens of different diacritics, expressed as codes (e.g., $00) in the data files**
- **Mapped to Unicode, moving to Unicode in data soon**
- **implementers should translate codes into the proper diacritical mark for end-users**

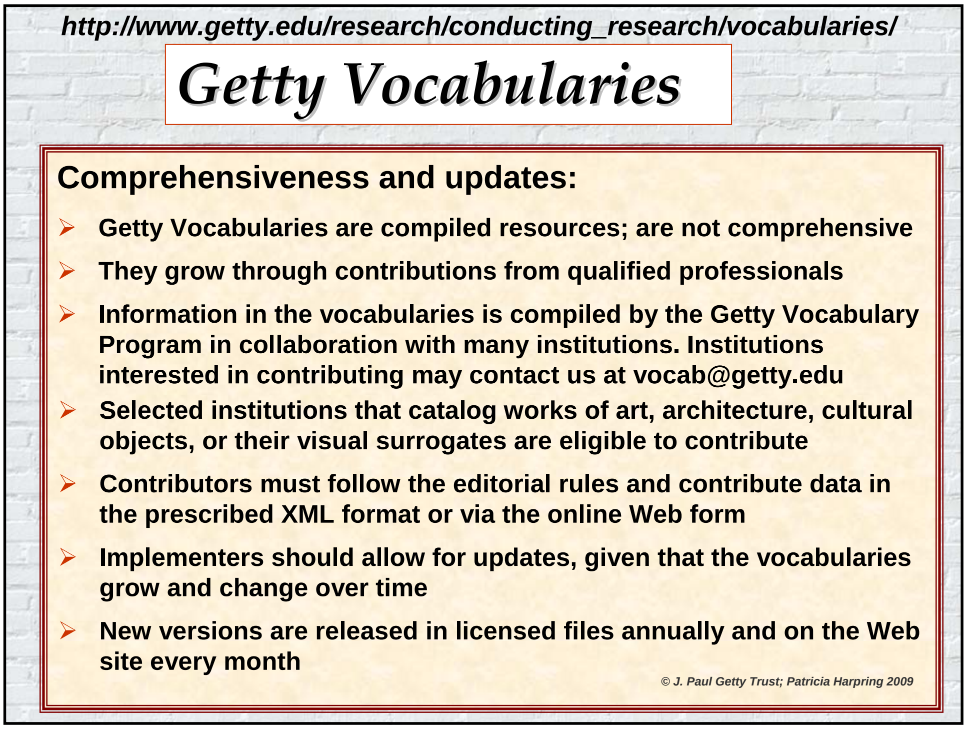


http://www.getty.edu/research/conducting_research/vocabularies/

Getty Vocabularies

Accessing the vocabularies:

- **Catalogers and indexers who use the vocabularies typically access them in two ways:**
  - **By using them as implemented in a collection management system (either purchased off-the-shelf through a vendor or custom-built for their local requirements), or**
  - **By using the online databases on the Getty Web site**
- **Databases made available on the Web site are intended to support limited research and cataloging efforts. Companies and institutions interested in regular or extensive use of the Getty vocabularies should explore licensing options by contacting the Getty Vocabulary Program at vocab@getty.edu**
- **Implementers who wish to provide vocabularies to end-users or use them in search engines may license the vocabularies in any of three formats: XML, relational tables, or MARC (soon only XML); licensed files include no user interface**

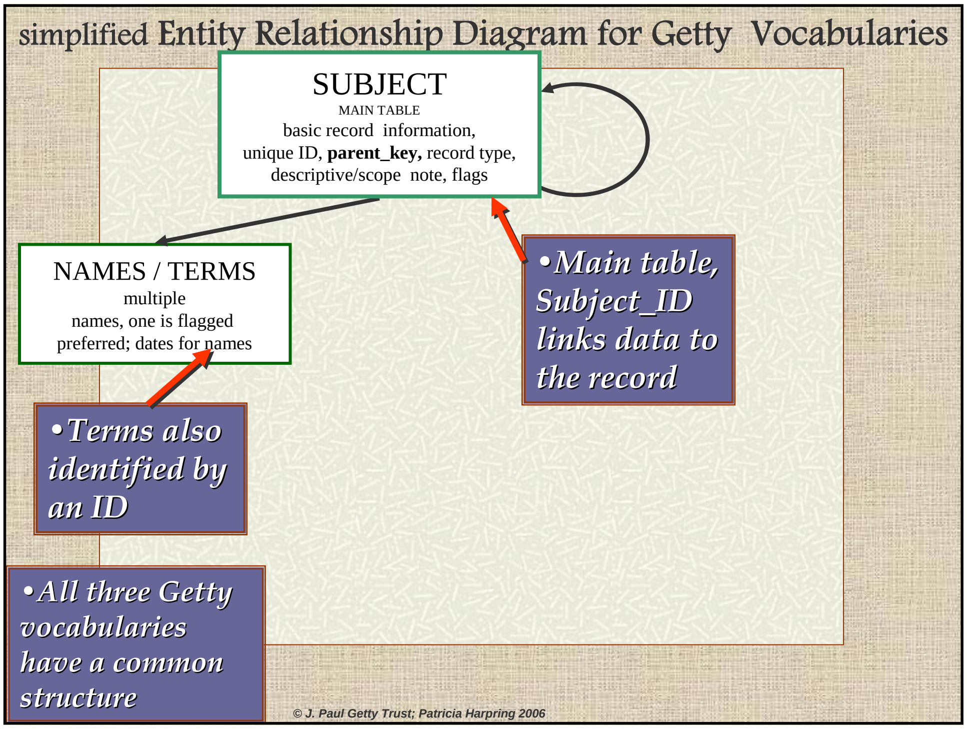


http://www.getty.edu/research/conducting_research/vocabularies/

Getty Vocabularies

Comprehensiveness and updates:

- **Getty Vocabularies are compiled resources; are not comprehensive**
- **They grow through contributions from qualified professionals**
- **Information in the vocabularies is compiled by the Getty Vocabulary Program in collaboration with many institutions. Institutions interested in contributing may contact us at vocab@getty.edu**
- **Selected institutions that catalog works of art, architecture, cultural objects, or their visual surrogates are eligible to contribute**
- **Contributors must follow the editorial rules and contribute data in the prescribed XML format or via the online Web form**
- **Implementers should allow for updates, given that the vocabularies grow and change over time**
- **New versions are released in licensed files annually and on the Web site every month**

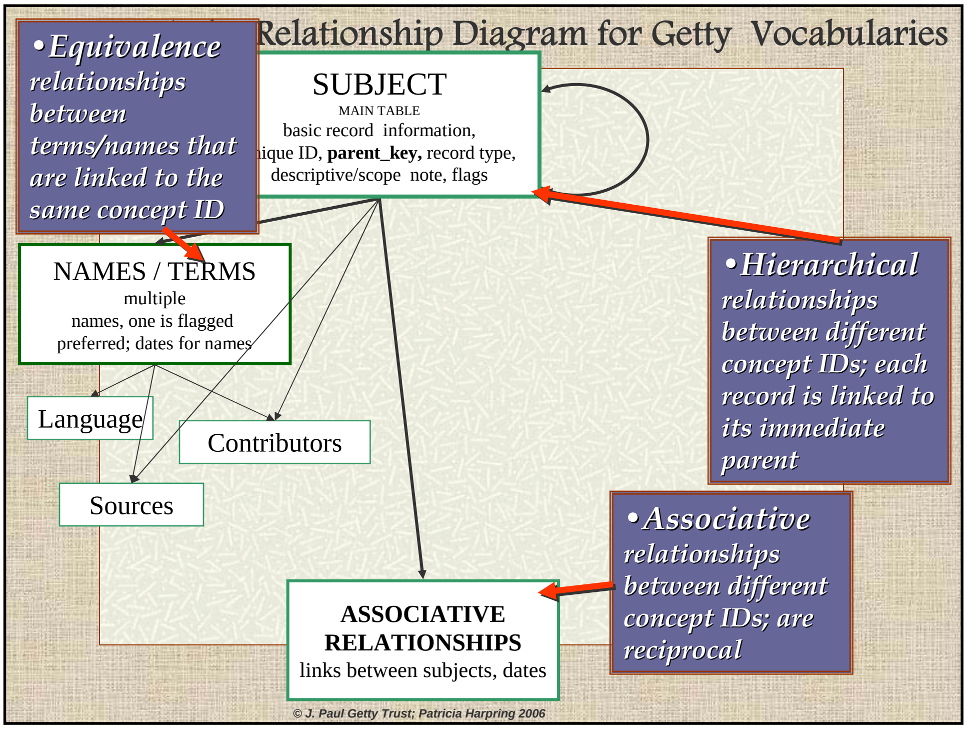


simplified Entity Relationship Diagram for Getty Vocabularies

SUBJECT
MAIN TABLE
basic record information,
unique ID, **parent_key,** record type,
descriptive/scope note, flags

NAMES / TERMS
multiple
names, one is flagged
preferred; dates for names

- *Main table, Subject_ID links data to the record*
- *Terms also identified by an ID*
- *All three Getty vocabularies have a common structure*



Relationship Diagram for Getty Vocabularies

SUBJECT
MAIN TABLE
basic record information,
ique ID, **parent_key,** record type,
descriptive/scope note, flags

NAMES / TERMS
multiple
names, one is flagged
preferred; dates for names

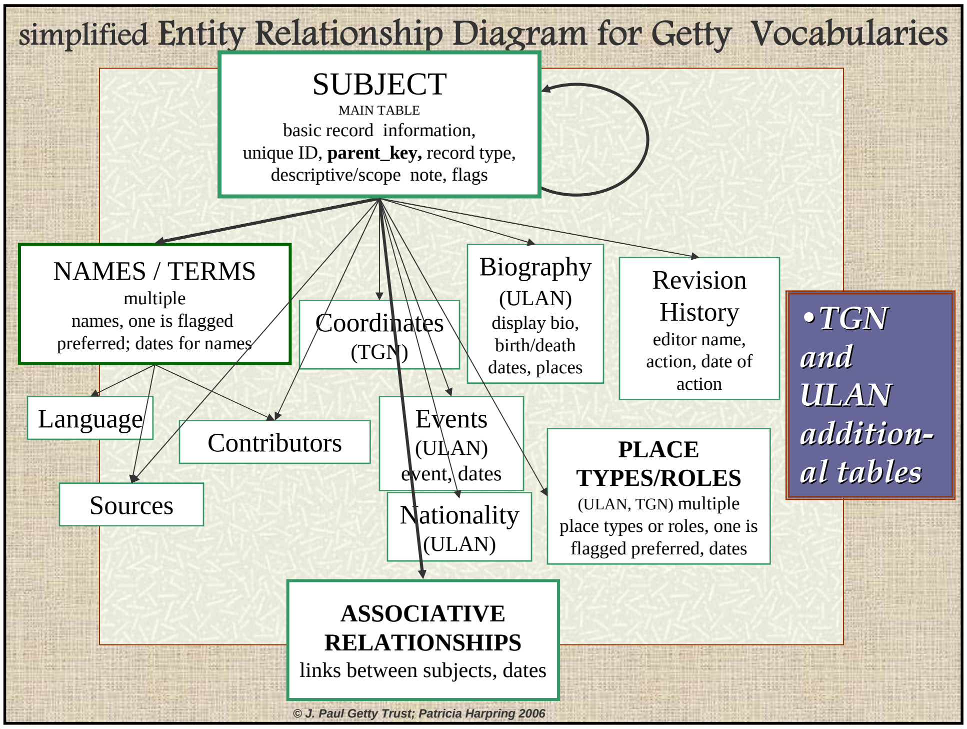
Language

Contributors

Sources

ASSOCIATIVE RELATIONSHIPS
links between subjects, dates

- *Equivalence relationships between terms/names that are linked to the same concept ID*
- *Hierarchical relationships between different concept IDs; each record is linked to its immediate parent*
- *Associative relationships between different concept IDs; are reciprocal*



simplified Entity Relationship Diagram for Getty Vocabularies

SUBJECT
MAIN TABLE
basic record information,
unique ID, **parent_key,** record type,
descriptive/scope note, flags

NAMES / TERMS
multiple
names, one is flagged
preferred; dates for names

Coordinates
(TGN)

Biography
(ULAN)
display bio,
birth/death
dates, places

Revision
History
editor name,
action, date of
action

Language

Contributors

Sources

Events
(ULAN)
event, dates

Nationality
(ULAN)

PLACE TYPES/ROLES
(ULAN, TGN) multiple
place types or roles, one is
flagged preferred, dates

ASSOCIATIVE RELATIONSHIPS
links between subjects, dates

- *TGN and ULAN addition-al tables*

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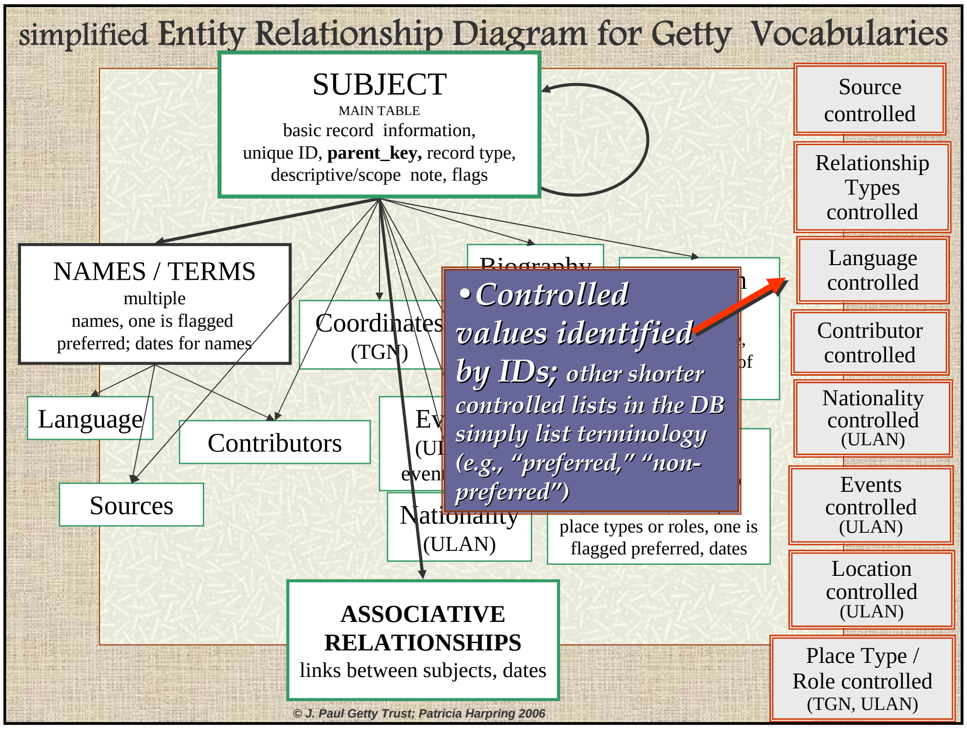

simplified Entity Relationship Diagram for Getty Vocabularies

SUBJECT
MAIN TABLE
basic record information,
unique ID, **parent_key,** record type,
descriptive/scope note, flags

NAMES / TERMS
multiple
names, one is flagged
preferred; dates for names

Coordinates
(TGN)

Biography

Language

Contributors

Sources

Nationality
(ULAN)

place types or roles, one is
flagged preferred, dates

ASSOCIATIVE RELATIONSHIPS
links between subjects, dates

- *Controlled values identified by IDs; other shorter controlled lists in the DB simply list terminology (e.g., "preferred," "non-preferred")*

Source controlled

Relationship Types controlled

Language controlled

Contributor controlled

Nationality controlled (ULAN)

Events controlled (ULAN)

Location controlled (ULAN)

Place Type / Role controlled (TGN, ULAN)

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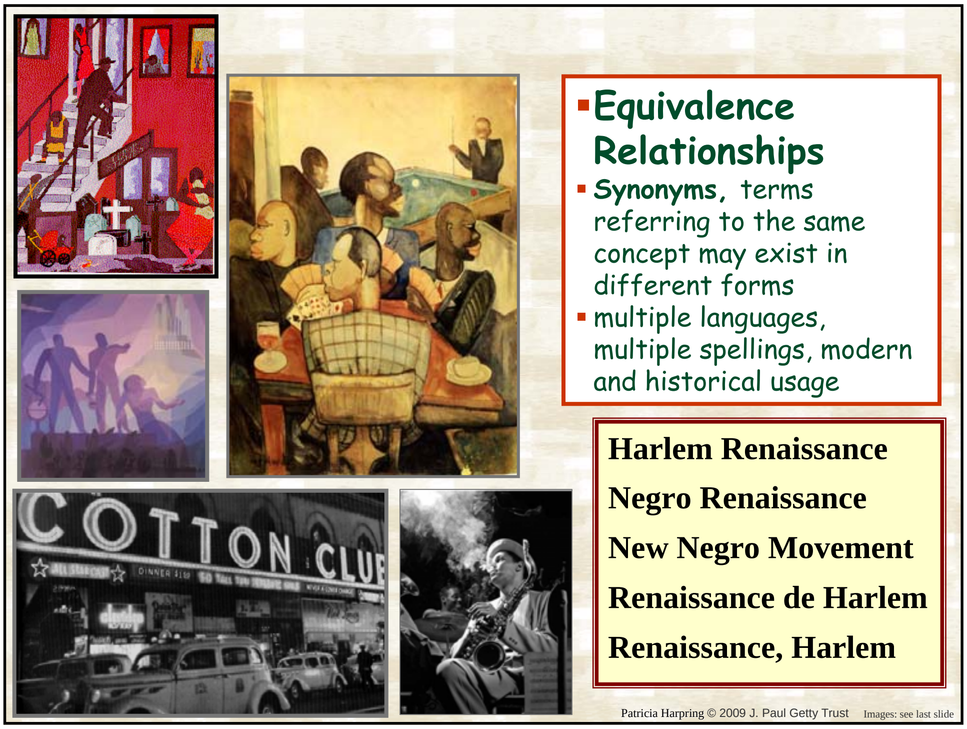
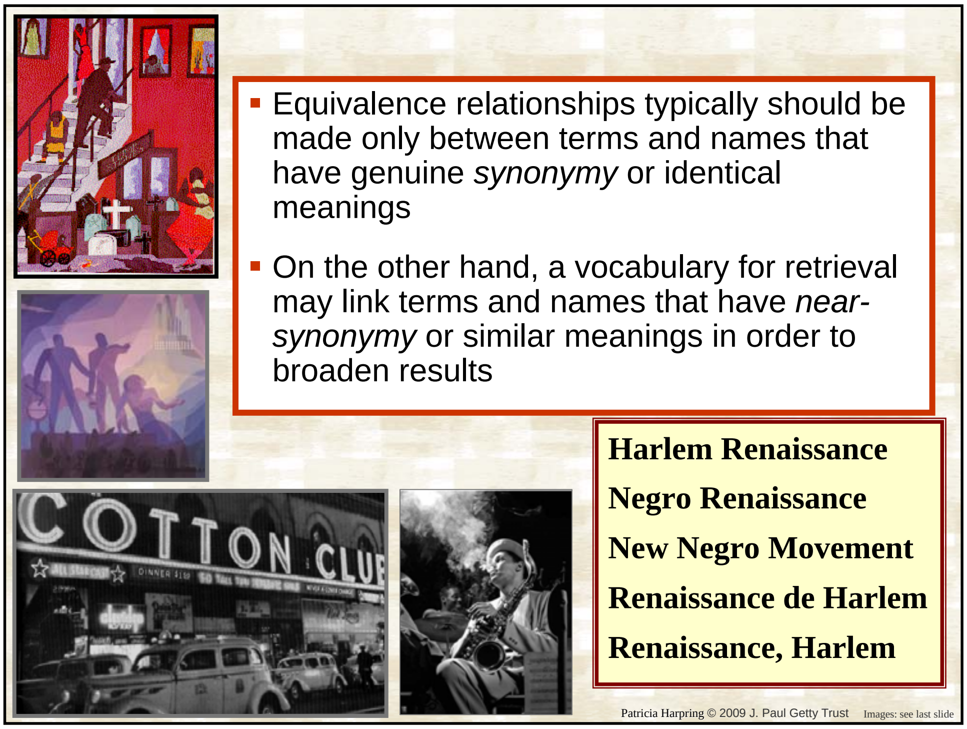


- **Equivalence Relationships**
  - **Synonyms,** terms referring to the same concept may exist in different forms
  - multiple languages, multiple spellings, modern and historical usage

Harlem Renaissance
Negro Renaissance
New Negro Movement
Renaissance de Harlem
Renaissance, Harlem

Patricia Harpring © 2009 J. Paul Getty Trust Images: see last slide



- Equivalence relationships typically should be made only between terms and names that have genuine *synonymy* or identical meanings
- On the other hand, a vocabulary for retrieval may link terms and names that have *near-synonymy* or similar meanings in order to broaden results

Harlem Renaissance
Negro Renaissance
New Negro Movement
Renaissance de Harlem
Renaissance, Harlem

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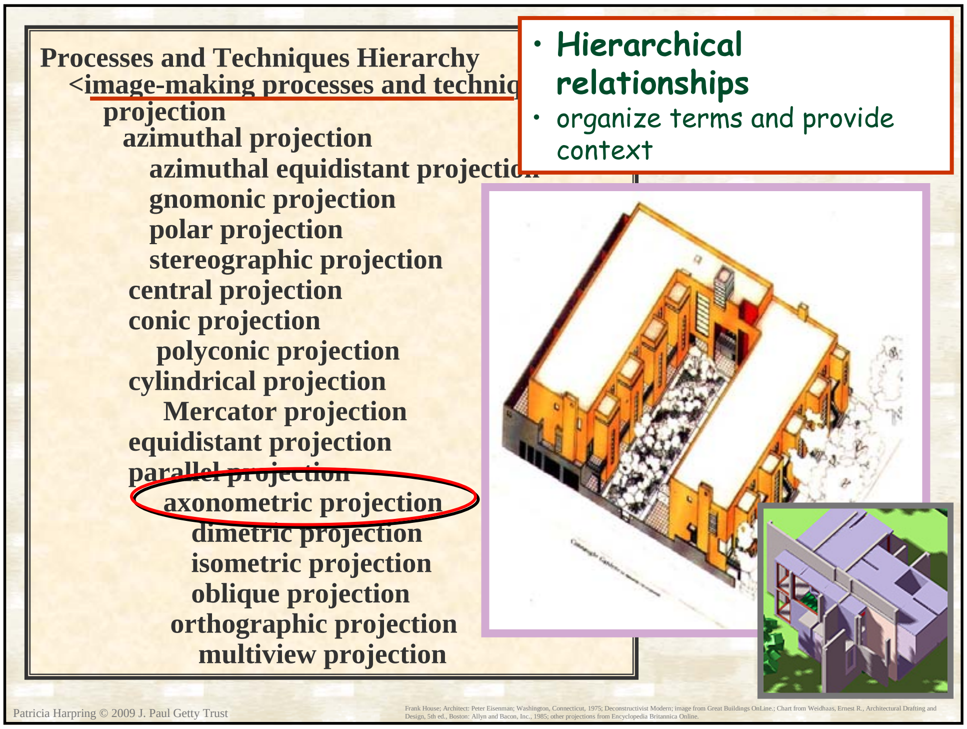
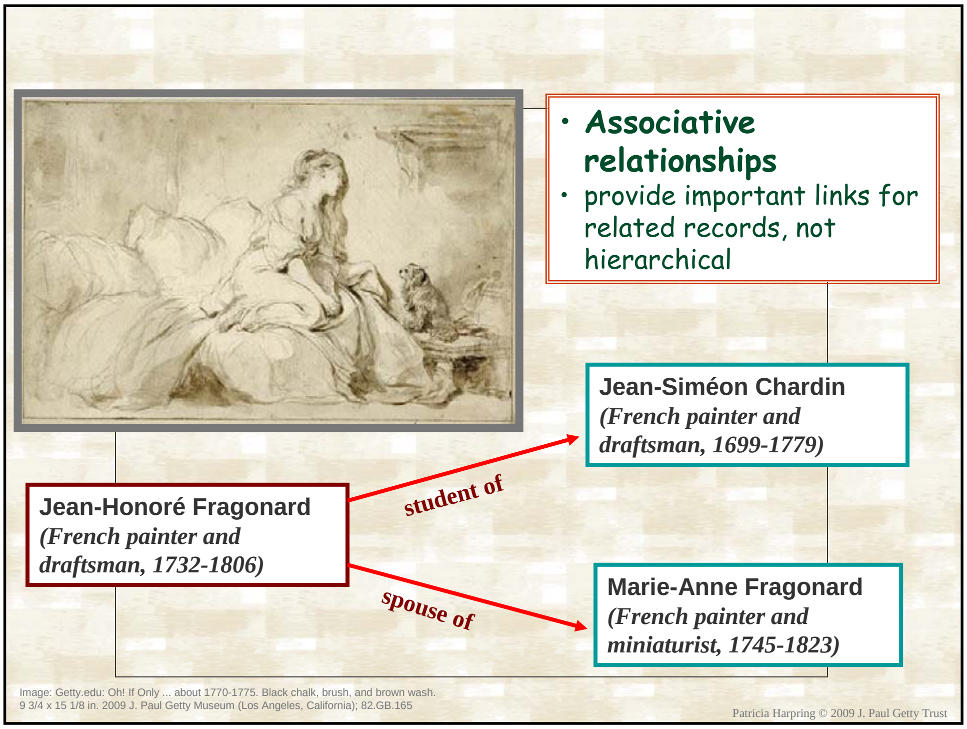


Processes and Techniques Hierarchy
<image-making processes and techniq
projection
azimuthal projection
azimuthal equidistant projectio
gnomonic projection
polar projection
stereographic projection
central projection
conic projection
polyconic projection
cylindrical projection
Mercator projection
equidistant projection
parallel projection
axonometric projection
dimetric projection
isometric projection
oblique projection
orthographic projection
multiview projection

- **Hierarchical relationships**
- organize terms and provide context

Frank House; Architect: Peter Eisenman; Washington, Connecticut, 1975; Deconstructivist Modern; image from Great Buildings OnLine.; Chart from Weidhaas, Ernest R., Architectural Drafting and Design, 5th ed., Boston: Allyn and Bacon, Inc., 1985; other projections from Encyclopedia Britannica Online.



- **Associative relationships**
- provide important links for related records, not hierarchical

Jean-Siméon Chardin
(French painter and draftsman, 1699-1779)

Jean-Honoré Fragonard
(French painter and draftsman, 1732-1806)

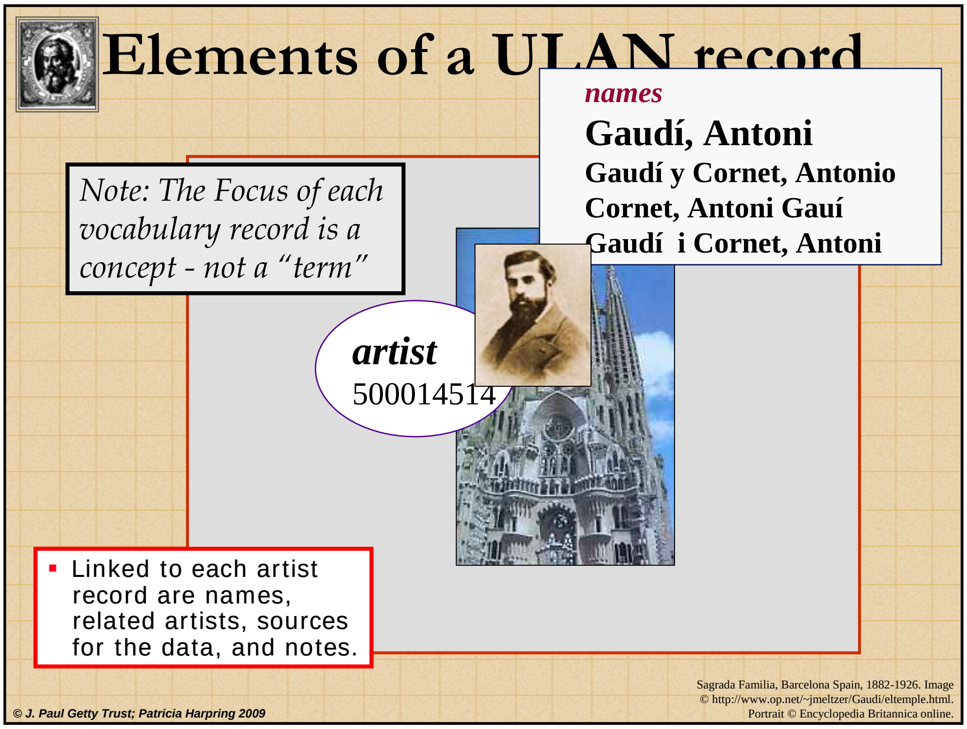
student of

spouse of

Marie-Anne Fragonard
(French painter and miniaturist, 1745-1823)

Image: Getty.edu: Oh! If Only ... about 1770-1775. Black chalk, brush, and brown wash.
9 3/4 x 15 1/8 in. 2009 J. Paul Getty Museum (Los Angeles, California); 82.GB.165

More Detail: Data in the Getty Vocabularies



Elements of a ULAN record

names

Gaudí, Antoni

Gaudí y Cornet, Antonio

Cornet, Antoni Gauí

Gaudí i Cornet, Antoni

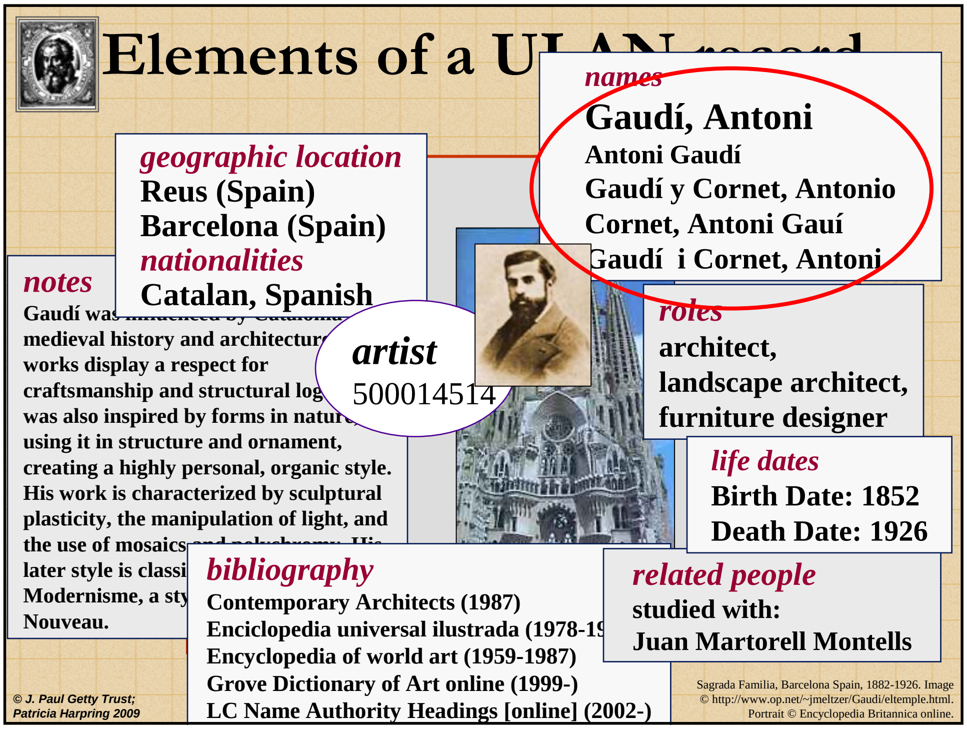
Note: The Focus of each vocabulary record is a concept - not a "term"

artist

500014514

- Linked to each artist record are names, related artists, sources for the data, and notes.

Sagrada Familia, Barcelona Spain, 1882-1926. Image © http://www.op.net/~jmeltzer/Gaudi/eltemple.html. Portrait © Encyclopedia Britannica online.



Elements of a ULAN record

names

Gaudí, Antoni

Antoni Gaudí
Gaudí y Cornet, Antonio
Cornet, Antoni Gauí
Gaudí i Cornet, Antoni

geographic location

Reus (Spain)
Barcelona (Spain)

nationalities

Catalan, Spanish

notes

Gaudí was ... medieval history and architecture ... works display a respect for craftsmanship and structural log... was also inspired by forms in nature, using it in structure and ornament, creating a highly personal, organic style. His work is characterized by sculptural plasticity, the manipulation of light, and the use of mosaics ... later style is classi... Modernisme, a sty... Nouveau.

artist

500014514

roles

architect,
landscape architect,
furniture designer

life dates

Birth Date: 1852
Death Date: 1926

bibliography

Contemporary Architects (1987)
Enciclopedia universal ilustrada (1978-19
Encyclopedia of world art (1959-1987)
Grove Dictionary of Art online (1999-)
LC Name Authority Headings [online] (2002-)

related people

studied with:
Juan Martorell Montells

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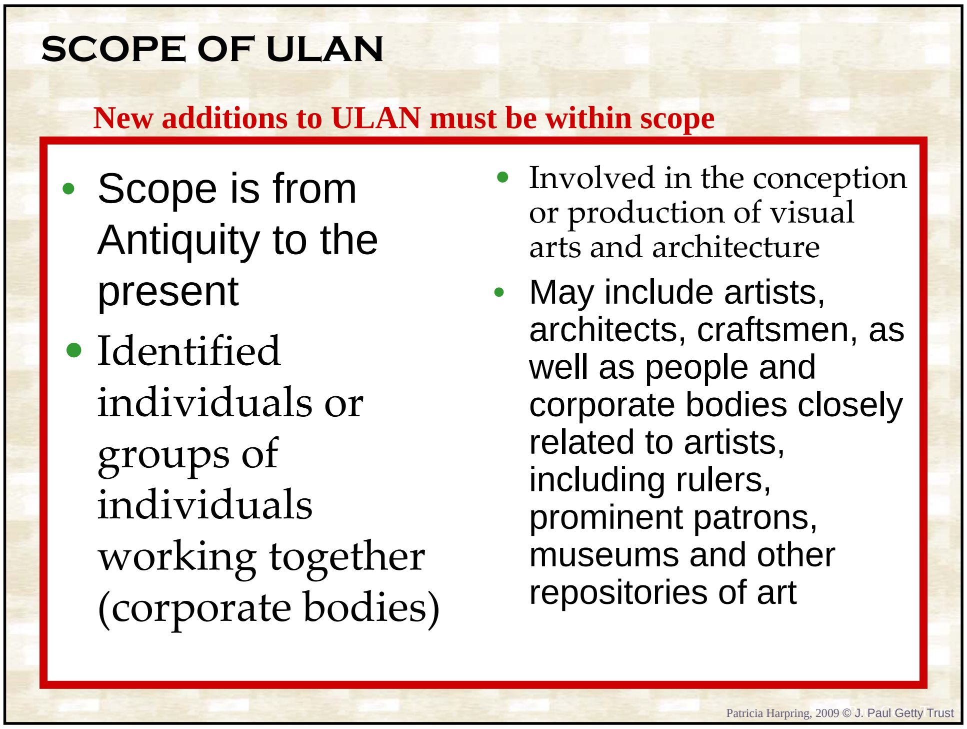
Sagrada Familia, Barcelona Spain, 1882-1926. Image © http://www.op.net/~jmeltzer/Gaudi/eltemple.html. Portrait © Encyclopedia Britannica online.

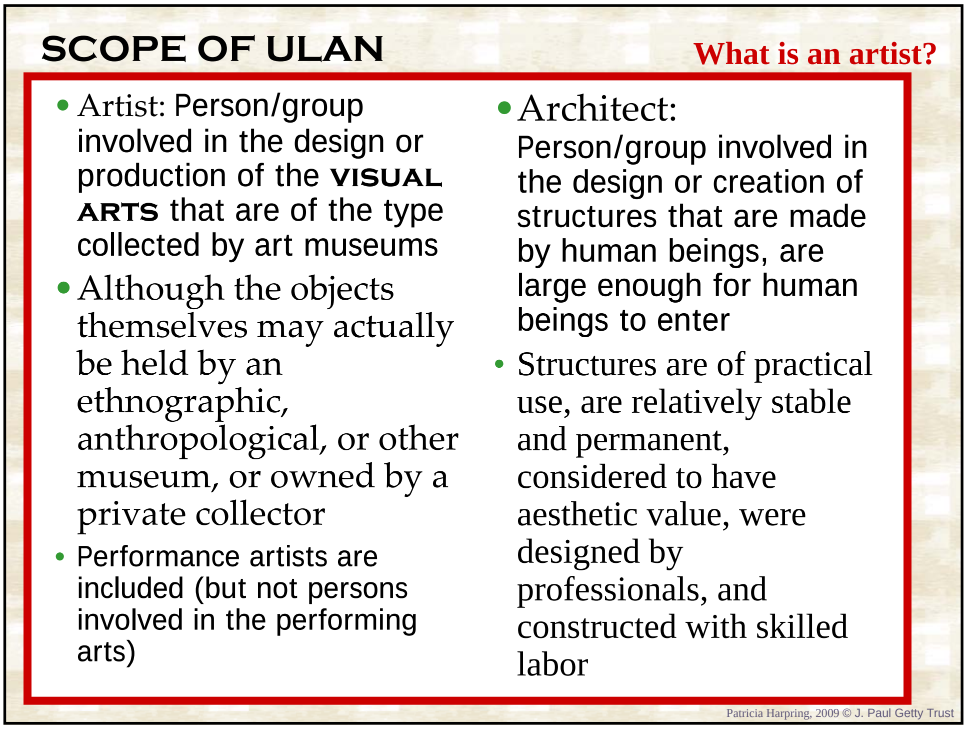


SCOPE OF ULAN

New additions to ULAN must be within scope

- Scope is from Antiquity to the present
- Identified individuals or groups of individuals working together (corporate bodies)
- Involved in the conception or production of visual arts and architecture
- May include artists, architects, craftsmen, as well as people and corporate bodies closely related to artists, including rulers, prominent patrons, museums and other repositories of art

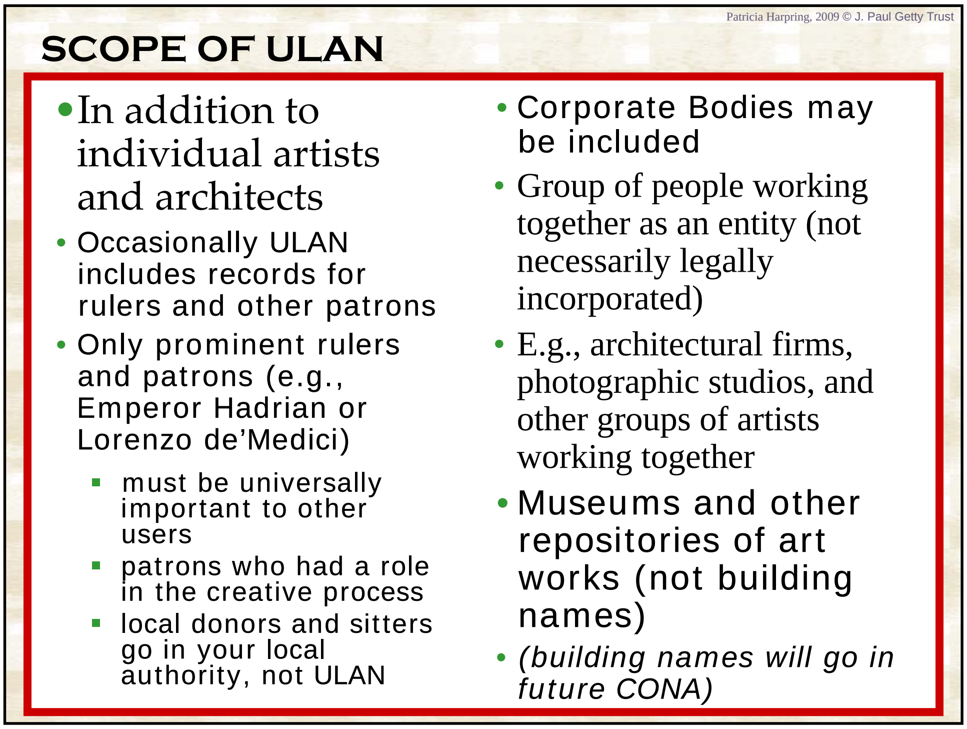
Patricia Harpring, 2009 © J. Paul Getty Trust



SCOPE OF ULAN

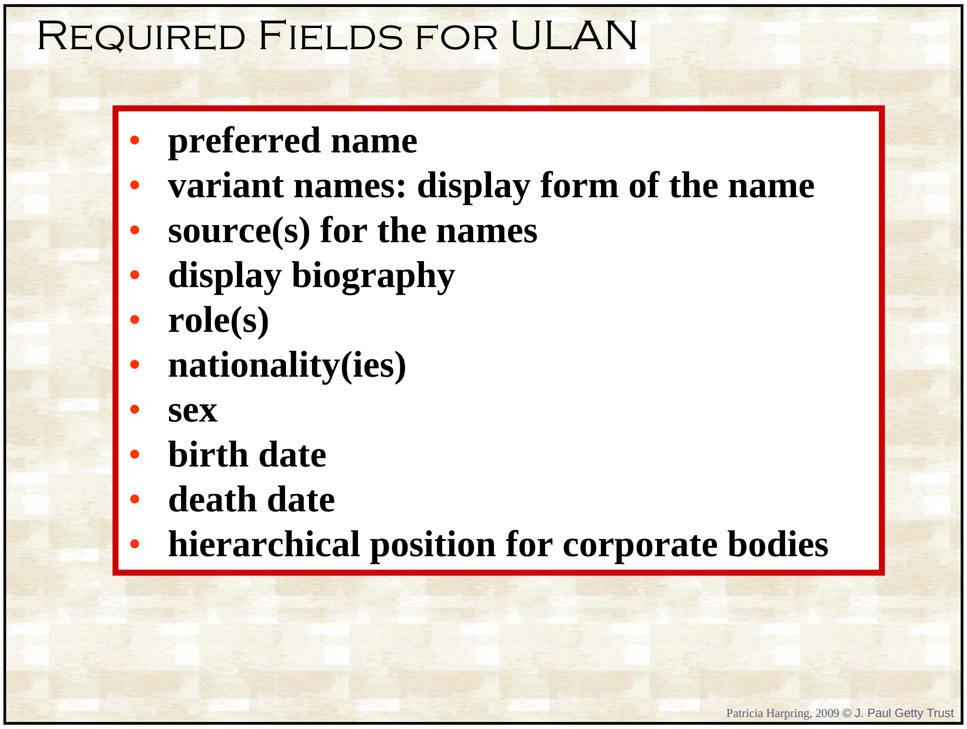
What is an artist?

- Artist: Person/group involved in the design or production of the **VISUAL ARTS** that are of the type collected by art museums
- Although the objects themselves may actually be held by an ethnographic, anthropological, or other museum, or owned by a private collector
- Performance artists are included (but not persons involved in the performing arts)
- Architect: Person/group involved in the design or creation of structures that are made by human beings, are large enough for human beings to enter
- Structures are of practical use, are relatively stable and permanent, considered to have aesthetic value, were designed by professionals, and constructed with skilled labor



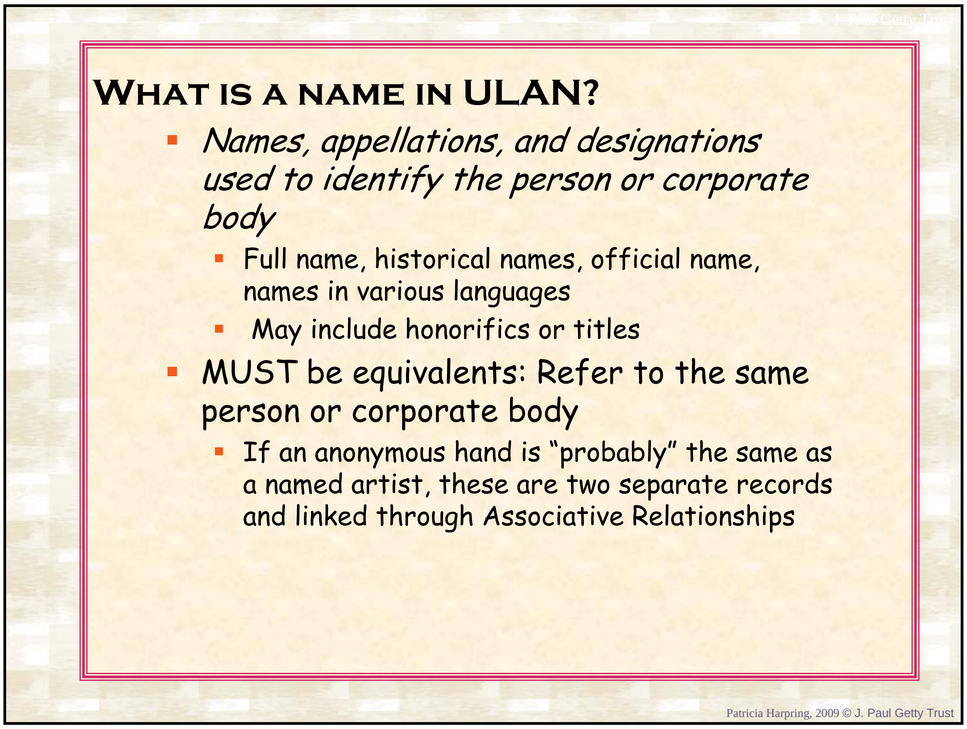
SCOPE OF ULAN

- In addition to individual artists and architects
- Occasionally ULAN includes records for rulers and other patrons
- Only prominent rulers and patrons (e.g., Emperor Hadrian or Lorenzo de'Medici)
    - must be universally important to other users
    - patrons who had a role in the creative process
    - local donors and sitters go in your local authority, not ULAN
- Corporate Bodies may be included
- Group of people working together as an entity (not necessarily legally incorporated)
- E.g., architectural firms, photographic studios, and other groups of artists working together
- Museums and other repositories of art works (not building names)
- *(building names will go in future CONA)*



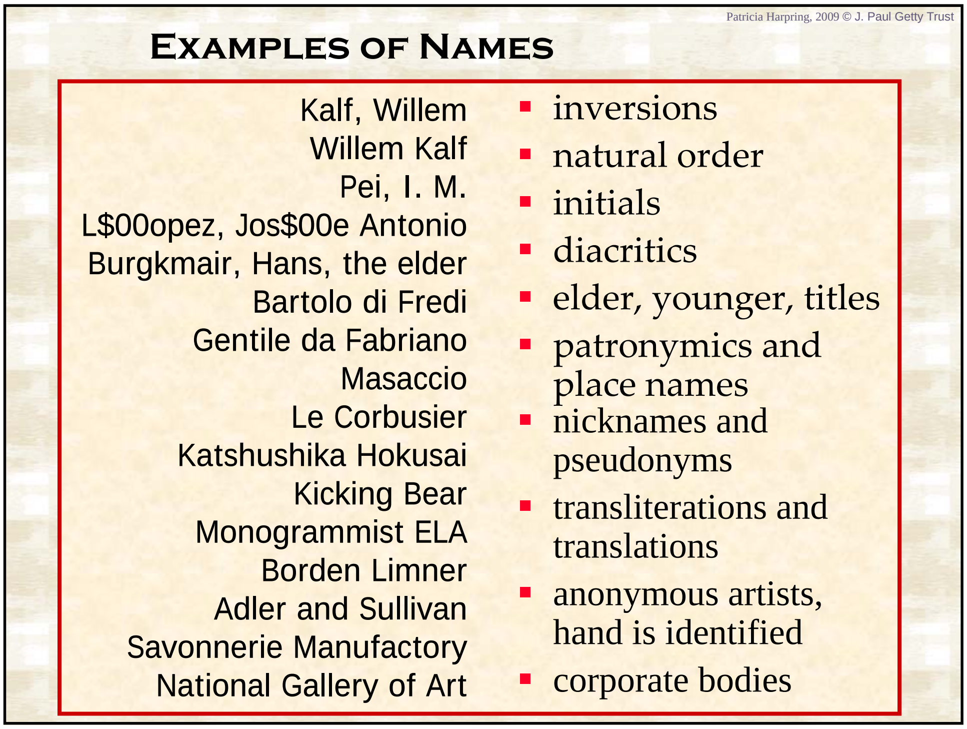
REQUIRED FIELDS FOR ULAN

- **preferred name**
- **variant names: display form of the name**
- **source(s) for the names**
- **display biography**
- **role(s)**
- **nationality(ies)**
- **sex**
- **birth date**
- **death date**
- **hierarchical position for corporate bodies**



WHAT IS A NAME IN ULAN?

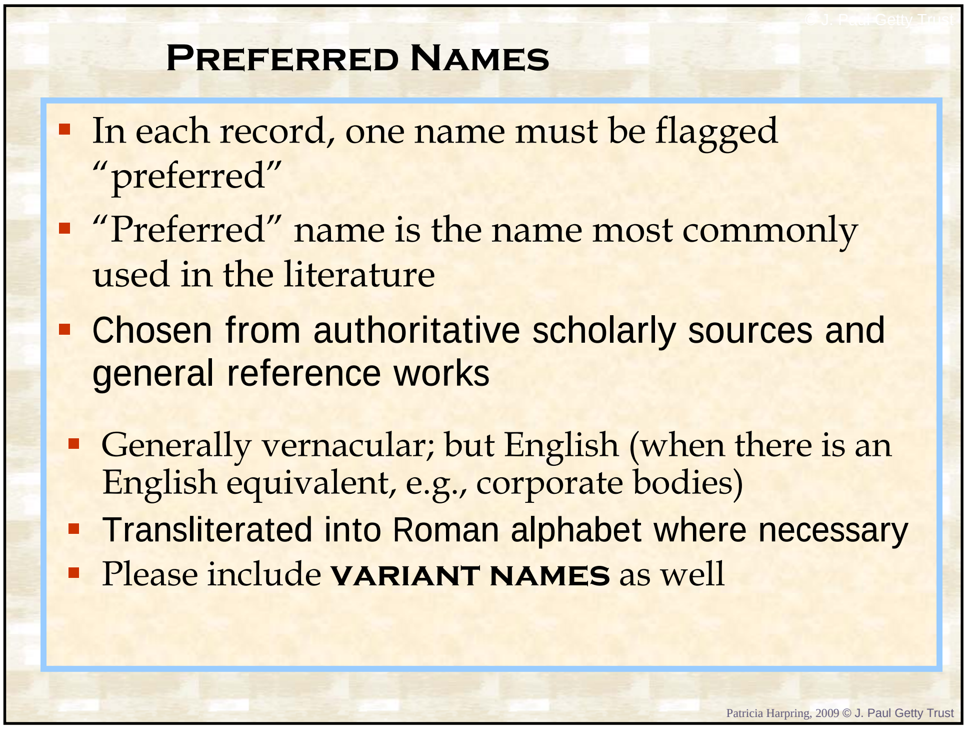
- *Names, appellations, and designations used to identify the person or corporate body*
  - Full name, historical names, official name, names in various languages
  - May include honorifics or titles
- MUST be equivalents: Refer to the same person or corporate body
  - If an anonymous hand is "probably" the same as a named artist, these are two separate records and linked through Associative Relationships



EXAMPLES OF NAMES

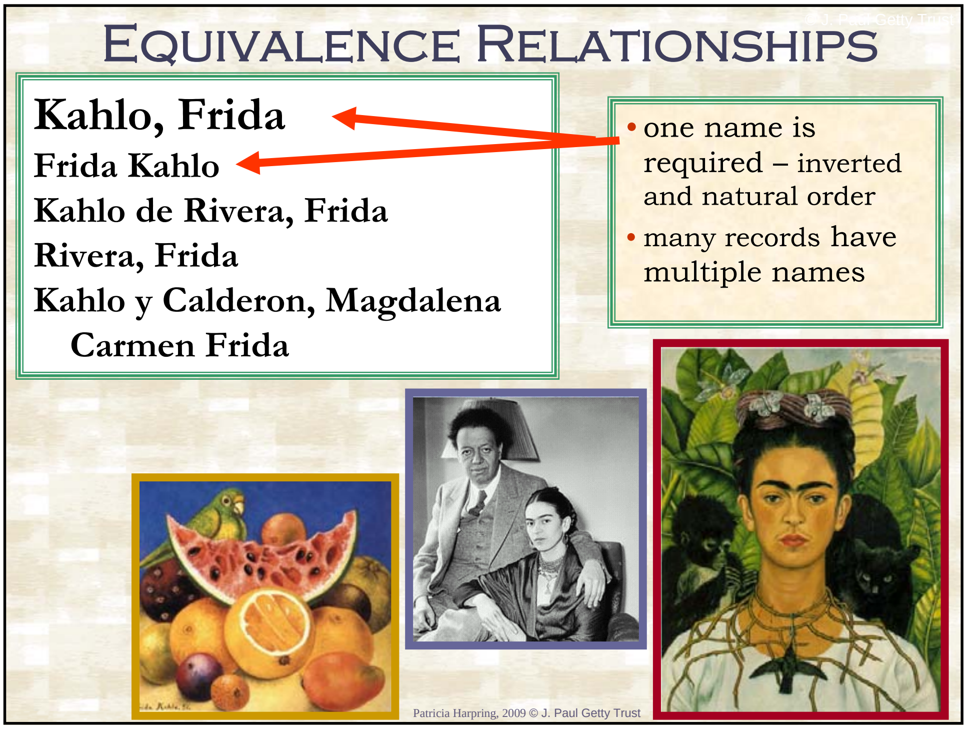
Kalf, Willem
Willem Kalf
Pei, I. M.
L$00opez, Jos$00e Antonio
Burgkmair, Hans, the elder
Bartolo di Fredi
Gentile da Fabriano
Masaccio
Le Corbusier
Katshushika Hokusai
Kicking Bear
Monogrammist ELA
Borden Limner
Adler and Sullivan
Savonnerie Manufactory
National Gallery of Art

- inversions
- natural order
- initials
- diacritics
- elder, younger, titles
- patronymics and place names
- nicknames and pseudonyms
- transliterations and translations
- anonymous artists, hand is identified
- corporate bodies



PREFERRED NAMES

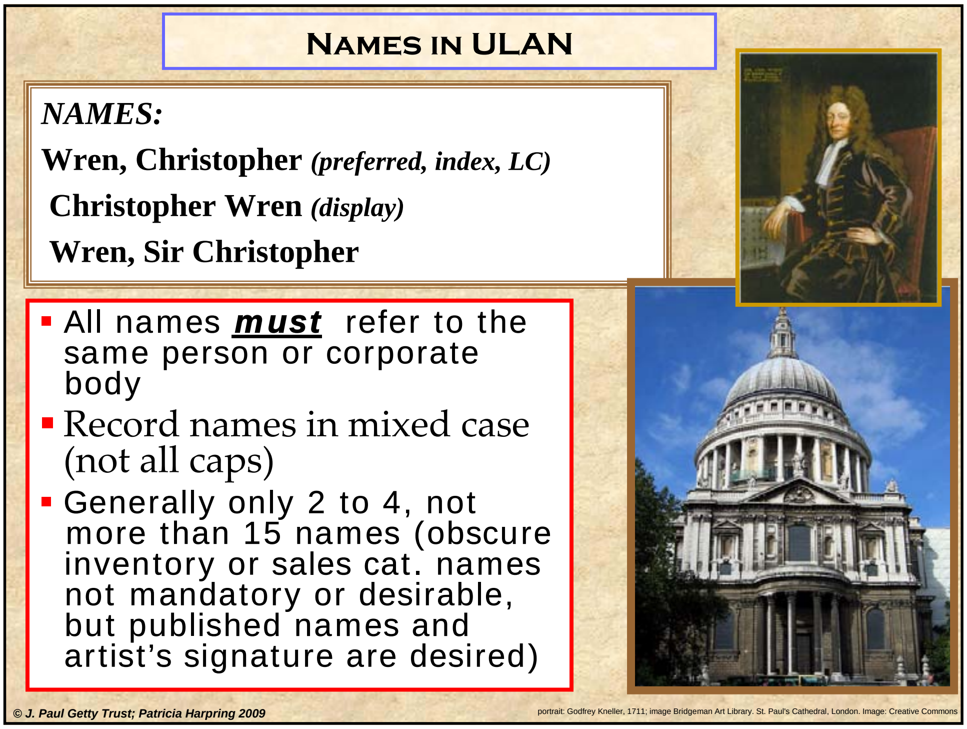
- In each record, one name must be flagged "preferred"
- "Preferred" name is the name most commonly used in the literature
- Chosen from authoritative scholarly sources and general reference works
- Generally vernacular; but English (when there is an English equivalent, e.g., corporate bodies)
- Transliterated into Roman alphabet where necessary
- Please include **VARIANT NAMES** as well



EQUIVALENCE RELATIONSHIPS

Kahlo, Frida
Frida Kahlo
Kahlo de Rivera, Frida
Rivera, Frida
Kahlo y Calderon, Magdalena Carmen Frida

- one name is required – inverted and natural order
- many records have multiple names



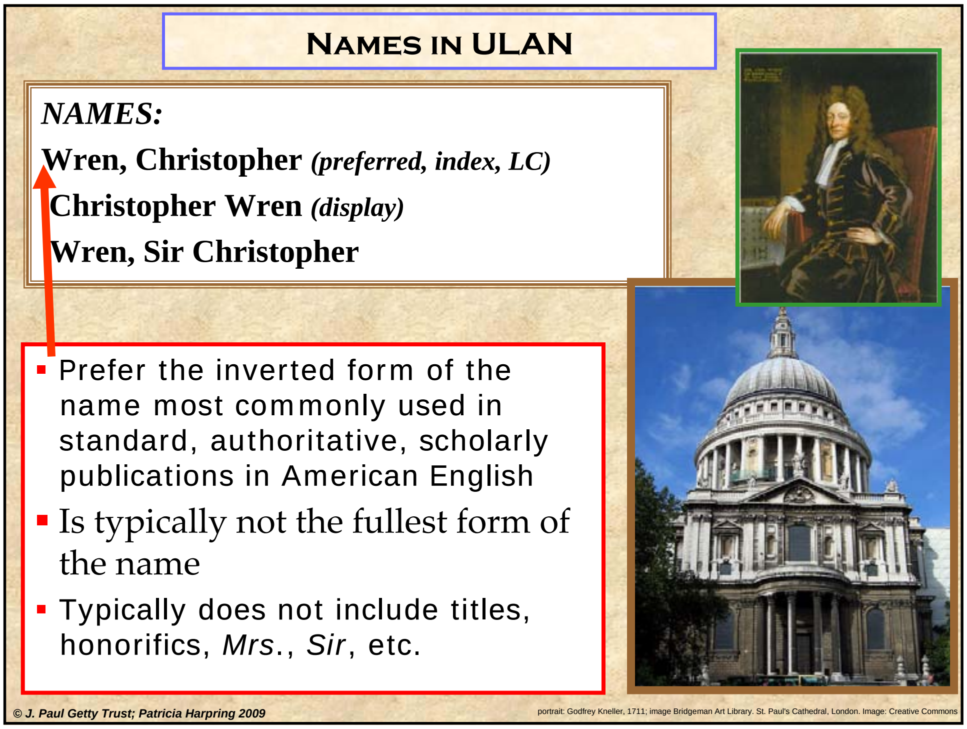
NAMES IN ULAN

NAMES:

Wren, Christopher ***(preferred, index, LC)***
Christopher Wren ***(display)***
Wren, Sir Christopher

- All names ***must*** refer to the same person or corporate body
- Record names in mixed case (not all caps)
- Generally only 2 to 4, not more than 15 names (obscure inventory or sales cat. names not mandatory or desirable, but published names and artist's signature are desired)

portrait: Godfrey Kneller, 1711; image Bridgeman Art Library. St. Paul's Cathedral, London. Image: Creative Commons



NAMES IN ULAN

NAMES:

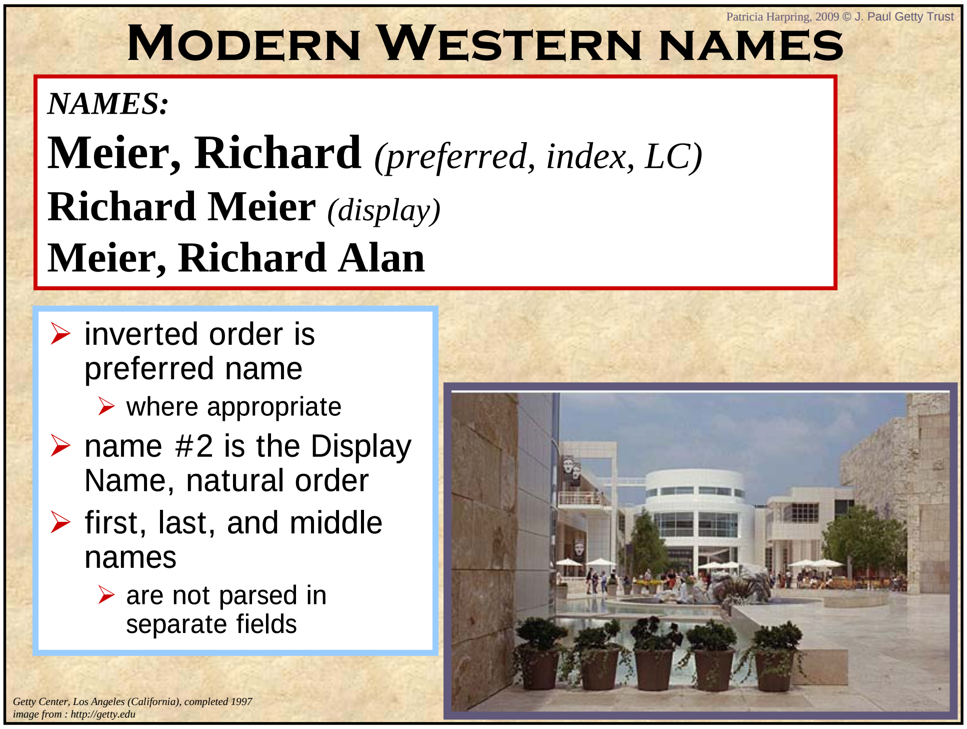
Wren, Christopher ***(preferred, index, LC)***

Christopher Wren ***(display)***

Wren, Sir Christopher

- Prefer the inverted form of the name most commonly used in standard, authoritative, scholarly publications in American English
- Is typically not the fullest form of the name
- Typically does not include titles, honorifics, *Mrs.*, *Sir*, etc.

portrait: Godfrey Kneller, 1711; image Bridgeman Art Library. St. Paul's Cathedral, London. Image: Creative Commons



MODERN WESTERN NAMES

NAMES:

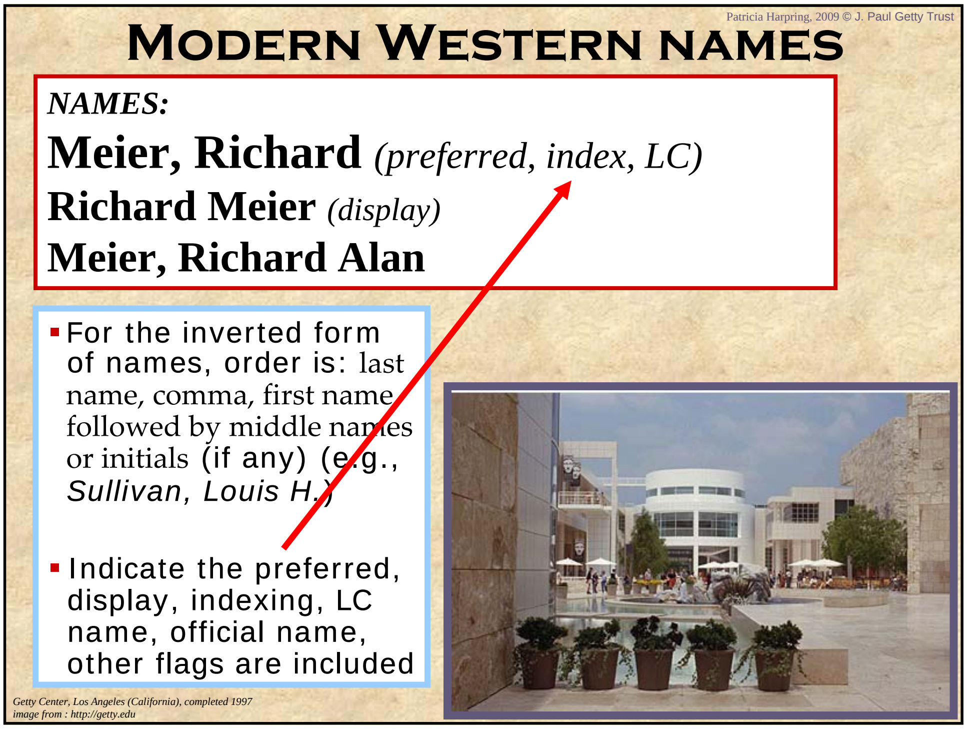
Meier, Richard *(preferred, index, LC)*

Richard Meier *(display)*

Meier, Richard Alan

- inverted order is preferred name
  - where appropriate
- name #2 is the Display Name, natural order
- first, last, and middle names
  - are not parsed in separate fields

Getty Center, Los Angeles (California), completed 1997
image from : http://getty.edu



MODERN WESTERN NAMES

NAMES:

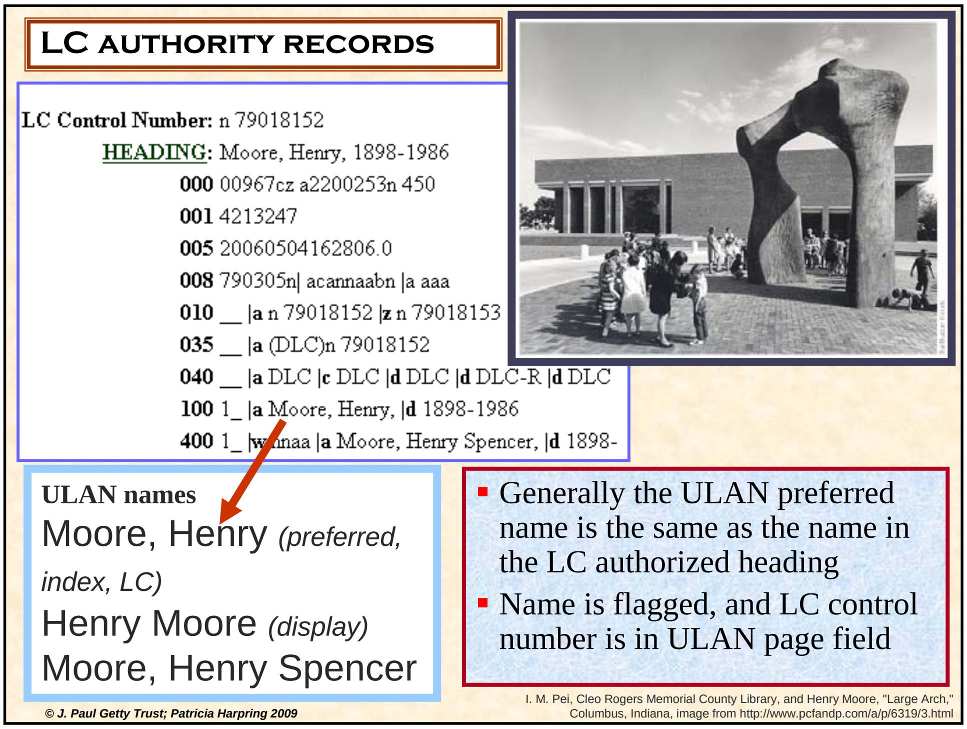
Meier, Richard *(preferred, index, LC)*

Richard Meier *(display)*

Meier, Richard Alan

- For the inverted form of names, order is: last name, comma, first name followed by middle names or initials (if any) (e.g., *Sullivan, Louis H.*)
- Indicate the preferred, display, indexing, LC name, official name, other flags are included

Getty Center, Los Angeles (California), completed 1997
image from : http://getty.edu



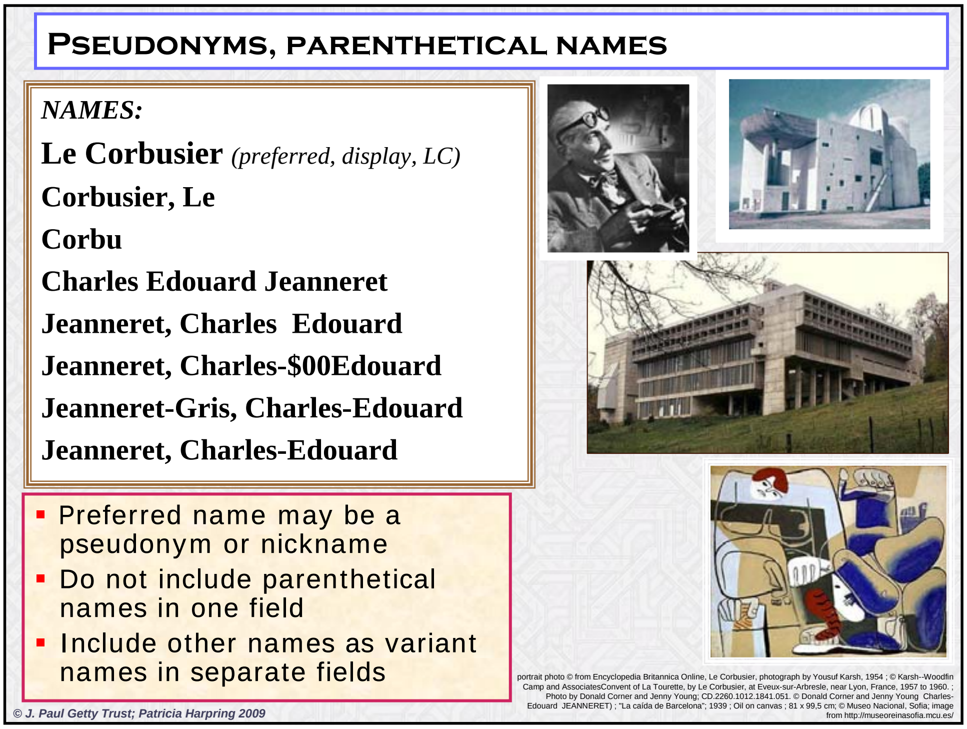
LC AUTHORITY RECORDS

LC Control Number: n 79018152
HEADING: Moore, Henry, 1898-1986
000 00967cz a2200253n 450
001 4213247
005 20060504162806.0
008 790305n| acannaabn |a aaa
010 __ |**a** n 79018152 |**z** n 79018153
035 __ |**a** (DLC)n 79018152
040 __ |**a** DLC |**c** DLC |**d** DLC |**d** DLC-R |**d** DLC
100 1_ |**a** Moore, Henry, |**d** 1898-1986
400 1_ |**w**nnaa |**a** Moore, Henry Spencer, |**d** 1898-

ULAN names
Moore, Henry *(preferred, index, LC)*
Henry Moore *(display)*
Moore, Henry Spencer

- Generally the ULAN preferred name is the same as the name in the LC authorized heading
- Name is flagged, and LC control number is in ULAN page field

I. M. Pei, Cleo Rogers Memorial County Library, and Henry Moore, "Large Arch," Columbus, Indiana, image from http://www.pcfandp.com/a/p/6319/3.html



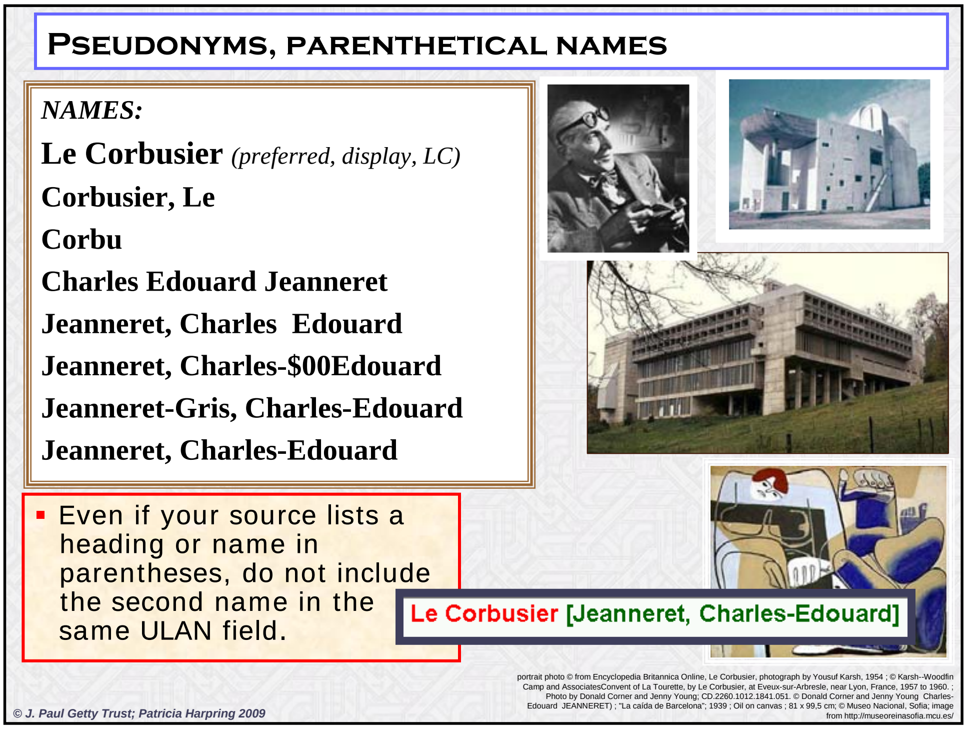
PSEUDONYMS, PARENTHETICAL NAMES

NAMES:

Le Corbusier *(preferred, display, LC)*
Corbusier, Le
Corbu
Charles Edouard Jeanneret
Jeanneret, Charles Edouard
Jeanneret, Charles-$00Edouard
Jeanneret-Gris, Charles-Edouard
Jeanneret, Charles-Edouard

- Preferred name may be a pseudonym or nickname
- Do not include parenthetical names in one field
- Include other names as variant names in separate fields

portrait photo © from Encyclopedia Britannica Online, Le Corbusier, photograph by Yousuf Karsh, 1954 ; © Karsh--Woodfin Camp and AssociatesConvent of La Tourette, by Le Corbusier, at Eveux-sur-Arbresle, near Lyon, France, 1957 to 1960. ; Photo by Donald Corner and Jenny Young; CD.2260.1012.1841.051. © Donald Corner and Jenny Young Charles-Edouard JEANNERET) ; "La caída de Barcelona"; 1939 ; Oil on canvas ; 81 x 99,5 cm; © Museo Nacional, Sofia; image from http://museoreinasofia.mcu.es/



PSEUDONYMS, PARENTHETICAL NAMES

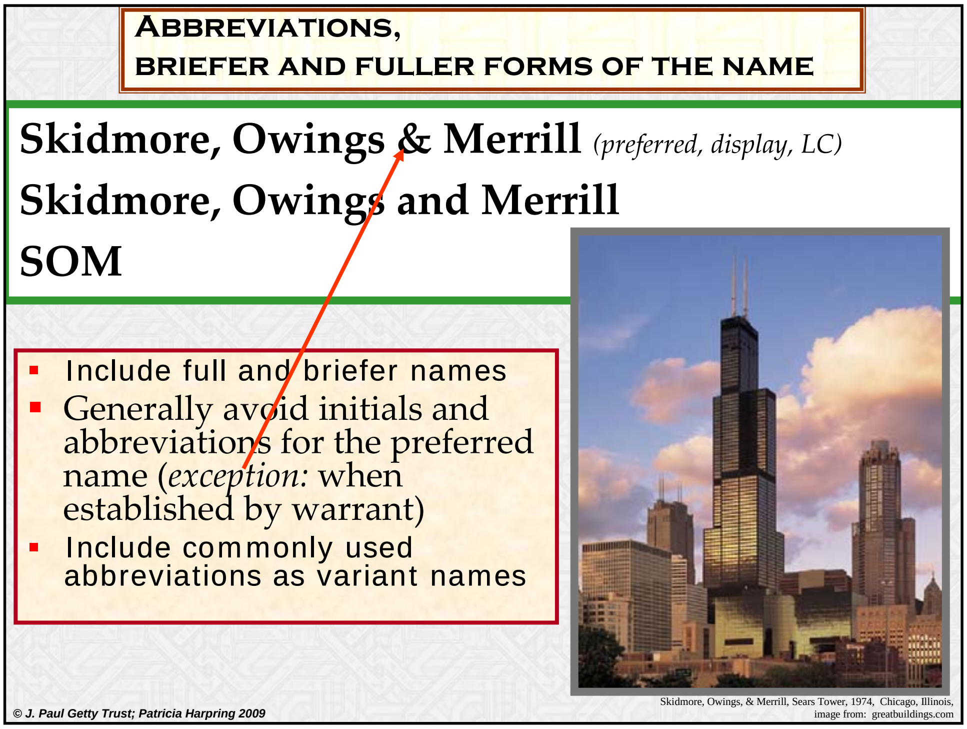
NAMES:

Le Corbusier *(preferred, display, LC)*
Corbusier, Le
Corbu
Charles Edouard Jeanneret
Jeanneret, Charles Edouard
Jeanneret, Charles-$00Edouard
Jeanneret-Gris, Charles-Edouard
Jeanneret, Charles-Edouard

- Even if your source lists a heading or name in parentheses, do not include the second name in the same ULAN field.

Le Corbusier [Jeanneret, Charles-Edouard]

portrait photo © from Encyclopedia Britannica Online, Le Corbusier, photograph by Yousuf Karsh, 1954 ; © Karsh--Woodfin Camp and AssociatesConvent of La Tourette, by Le Corbusier, at Eveux-sur-Arbresle, near Lyon, France, 1957 to 1960. ; Photo by Donald Corner and Jenny Young; CD.2260.1012.1841.051. © Donald Corner and Jenny Young Charles-Edouard JEANNERET) ; "La caída de Barcelona"; 1939 ; Oil on canvas ; 81 x 99,5 cm; © Museo Nacional, Sofia; image from http://museoreinasofia.mcu.es/



ABBREVIATIONS, BRIEFER AND FULLER FORMS OF THE NAME

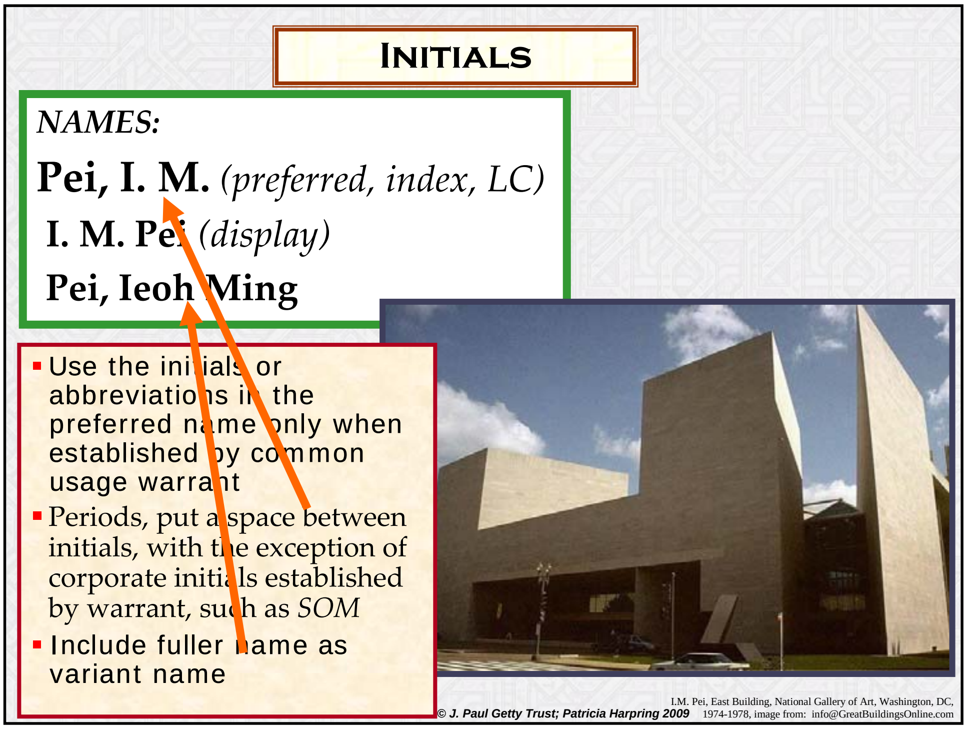
Skidmore, Owings & Merrill *(preferred, display, LC)*

Skidmore, Owings and Merrill

SOM

- Include full and briefer names
- Generally avoid initials and abbreviations for the preferred name (*exception:* when established by warrant)
- Include commonly used abbreviations as variant names

Skidmore, Owings, & Merrill, Sears Tower, 1974, Chicago, Illinois, image from: greatbuildings.com



INITIALS

NAMES:

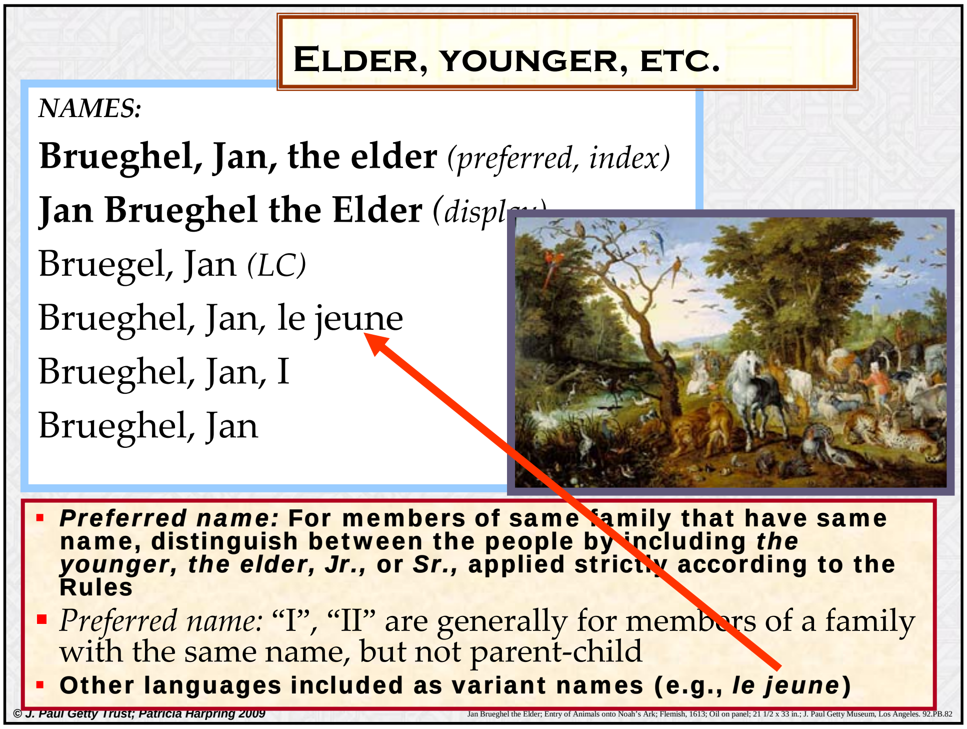
Pei, I. M. *(preferred, index, LC)*

I. M. Pei *(display)*

Pei, Ieoh Ming

- Use the initials or abbreviations in the preferred name only when established by common usage warrant
- Periods, put a space between initials, with the exception of corporate initials established by warrant, such as *SOM*
- Include fuller name as variant name

I.M. Pei, East Building, National Gallery of Art, Washington, DC, 1974-1978, image from: info@GreatBuildingsOnline.com



ELDER, YOUNGER, ETC.

NAMES:

Brueghel, Jan, the elder *(preferred, index)*

Jan Brueghel the Elder *(display)*

Bruegel, Jan *(LC)*

Brueghel, Jan, le jeune

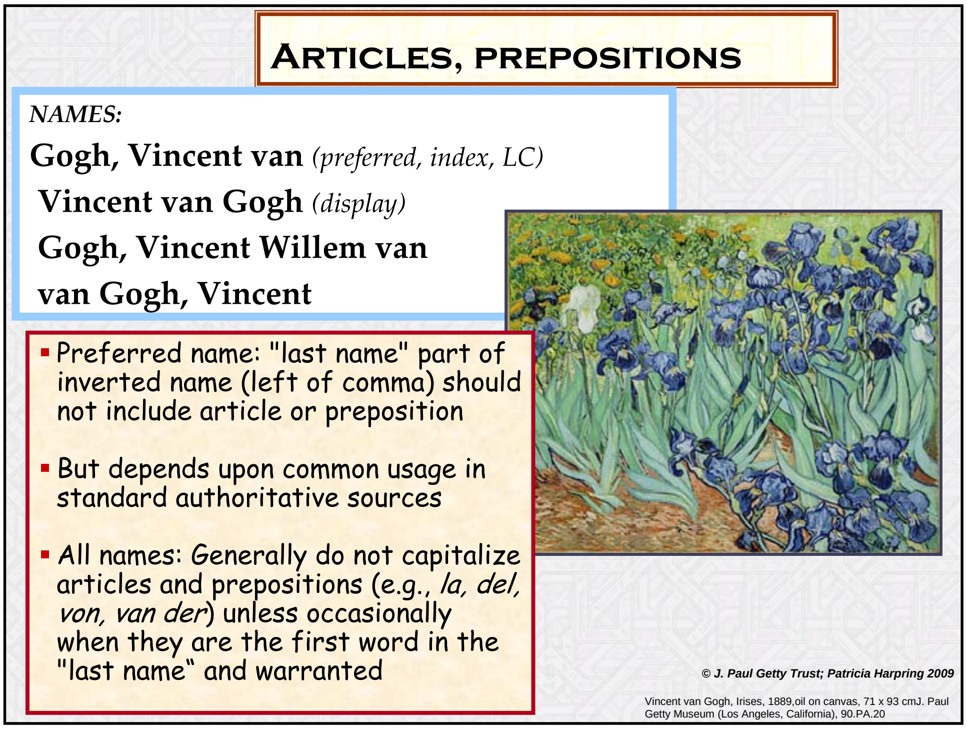
Brueghel, Jan, I

Brueghel, Jan

- ***Preferred name:*** **For members of same family that have same name, distinguish between the people by including *the younger*, *the elder*, *Jr.*, or *Sr.*, applied strictly according to the Rules**
- *Preferred name:* "I", "II" are generally for members of a family with the same name, but not parent-child
- **Other languages included as variant names (e.g., *le jeune*)**

© J. Paul Getty Trust; Patricia Harpring 2009

Jan Brueghel the Elder; Entry of Animals onto Noah's Ark; Flemish, 1613; Oil on panel; 21 1/2 x 33 in.; J. Paul Getty Museum, Los Angeles. 92.PB.82



ARTICLES, PREPOSITIONS

NAMES:

Gogh, Vincent van *(preferred, index, LC)*

Vincent van Gogh *(display)*

Gogh, Vincent Willem van

van Gogh, Vincent

- Preferred name: "last name" part of inverted name (left of comma) should not include article or preposition
- But depends upon common usage in standard authoritative sources
- All names: Generally do not capitalize articles and prepositions (e.g., *la, del, von, van der*) unless occasionally when they are the first word in the "last name" and warranted

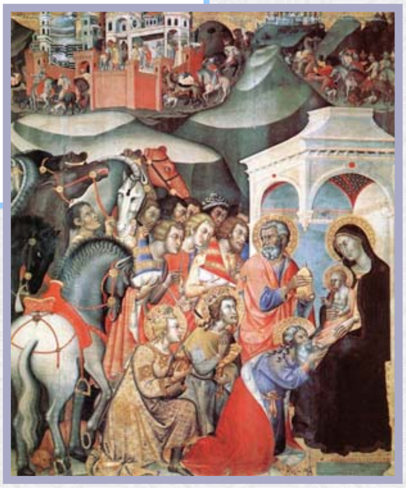
© J. Paul Getty Trust; Patricia Harpring 2009

Vincent van Gogh, Irises, 1889,oil on canvas, 71 x 93 cmJ. Paul Getty Museum (Los Angeles, California), 90.PA.20

PATRONYMS AND PLACE NAME

Bartolo di Fredi *(preferred, display)*
Bartolo di Fredi Cini
Bartolo, di Fredi *(LC)*
Bartolo di Fredi Battilore
Bartolo di Maestro Fredi
Bartalus magistri Fredi
Bartolo Senese

- *Preferred name:* Use natural order form of the name for early Western, non-Western, pseudonyms, other cases where there is no inverted form or the inverted name is not the form most often used in your sources
- No "first" or "last" name, patronymic and place name
- Flag this as the Display Name



Adoration of the Magi , ca. 1395-1410, Pinacoteca Nazionale (Siena, Italy) image from http://sunserv.kfki.hu/~arthp/html/b/bartolo/index.html

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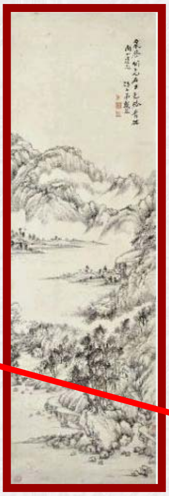
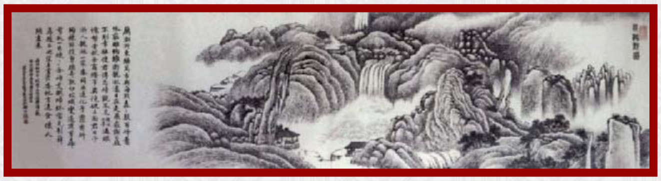
NON-WESTERN

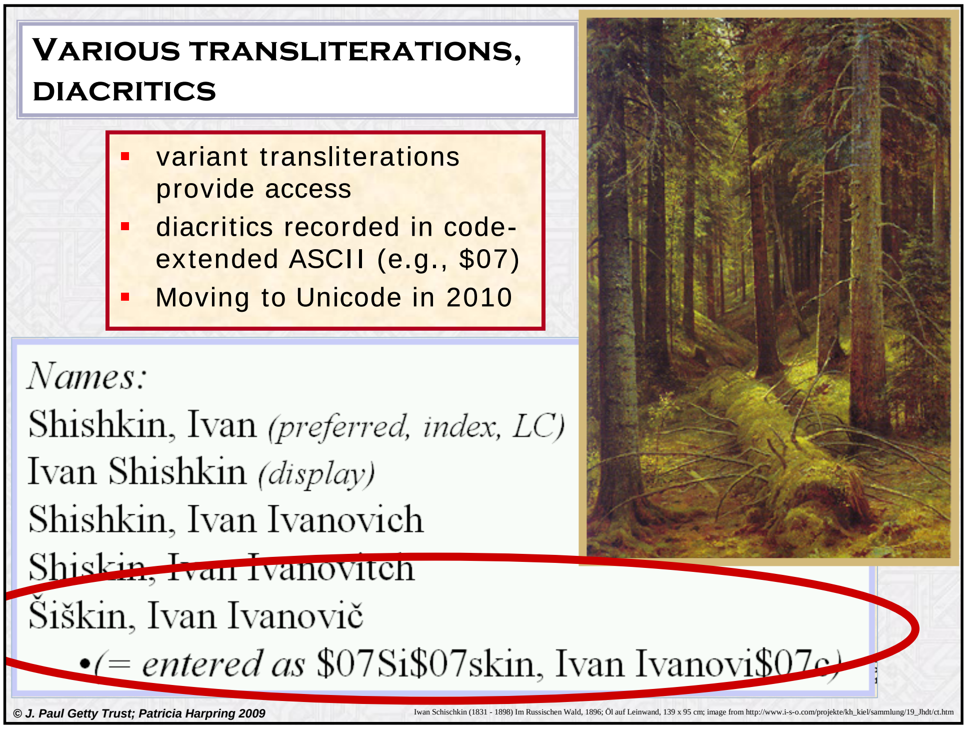
NAMES:
Dai Xi *(preferred, display, V)*
Tai Si *(V)*
Tai Hsi *(V)*
Dai, Xi *(V, LC)*
Chunshi, Dai Xi *(V)* ....
Display Date: *"Chunshi" is his surname*
Yuan (V)



- Inverted or natural order, depending upon common usage in English sources
- Informed by rules of the language if you are an expert
- ULAN preferred not necessarily LC name



Dai Xi ; Landscape; sold at auction 28 November 2005. Admiring the waterfall (w/frontispiece & annotations); 1847; Sale Of Sotheby's Hong Kong: Monday, April 28, 2003 Images from ArtNet online.



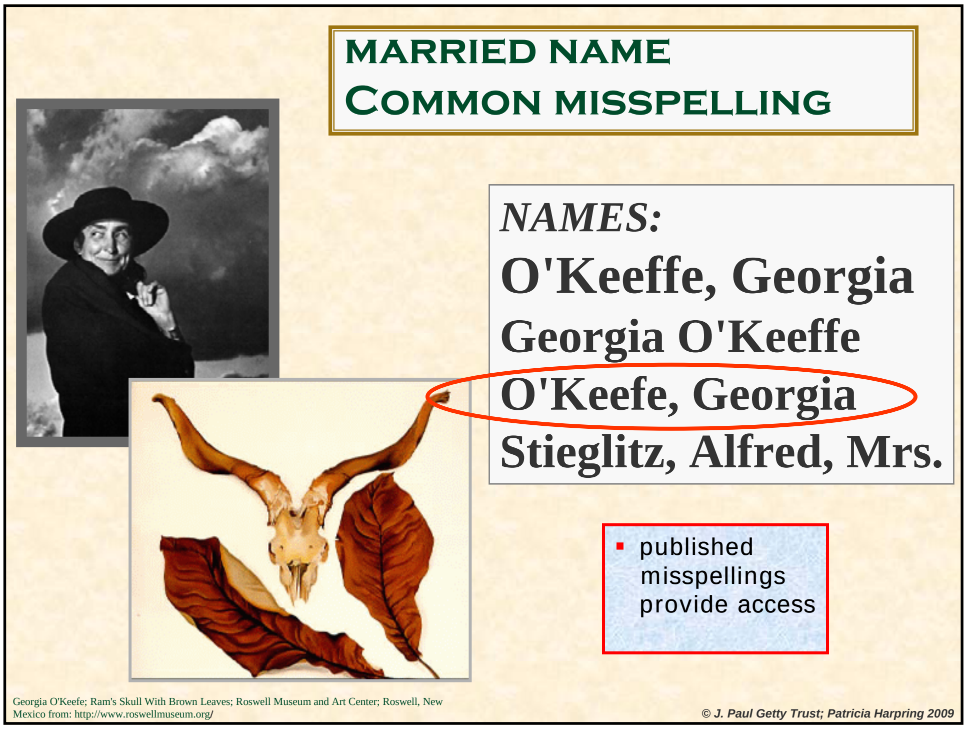
VARIOUS TRANSLITERATIONS, DIACRITICS

- variant transliterations provide access
- diacritics recorded in code-extended ASCII (e.g., $07)
- Moving to Unicode in 2010

Names:

Shishkin, Ivan *(preferred, index, LC)*
Ivan Shishkin *(display)*
Shishkin, Ivan Ivanovich
Shiskin, Ivan Ivanovitch
Šiškin, Ivan Ivanovič
•*(= entered as* $07Si$07skin, Ivan Ivanovi$07c*)*

Iwan Schischkin (1831 - 1898) Im Russischen Wald, 1896; Öl auf Leinwand, 139 x 95 cm; image from http://www.i-s-o.com/projekte/kh_kiel/sammlung/19_Jhdt/ct.htm



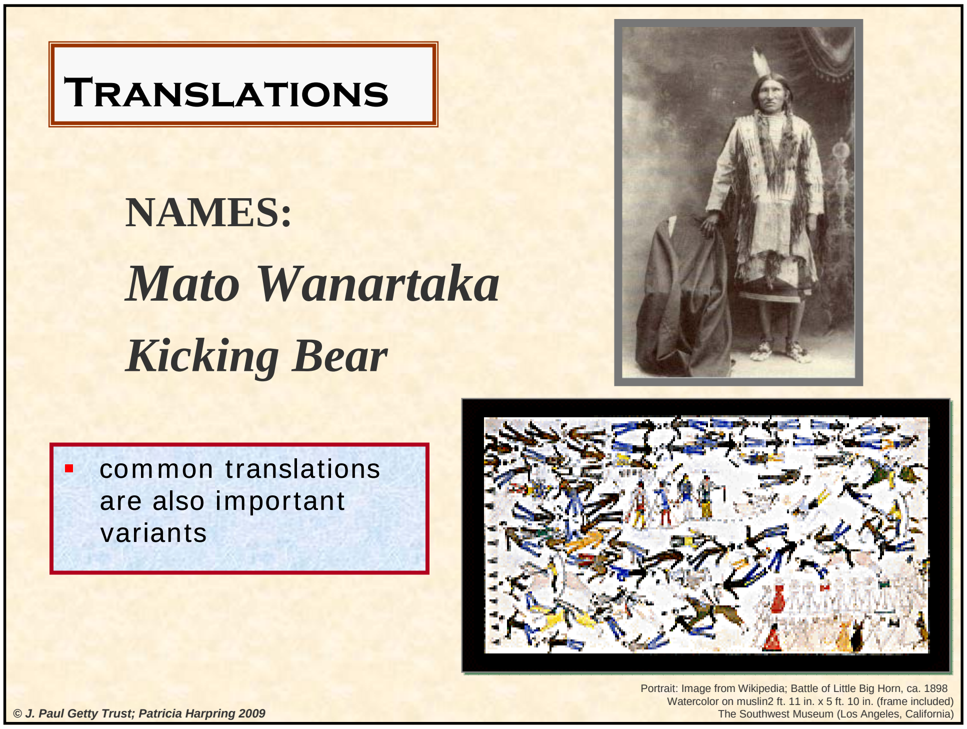
MARRIED NAME COMMON MISSPELLING

NAMES:

O'Keeffe, Georgia
Georgia O'Keeffe
O'Keefe, Georgia
Stieglitz, Alfred, Mrs.

- published misspellings provide access

Georgia O'Keefe; Ram's Skull With Brown Leaves; Roswell Museum and Art Center; Roswell, New Mexico from: http://www.roswellmuseum.org/



TRANSLATIONS

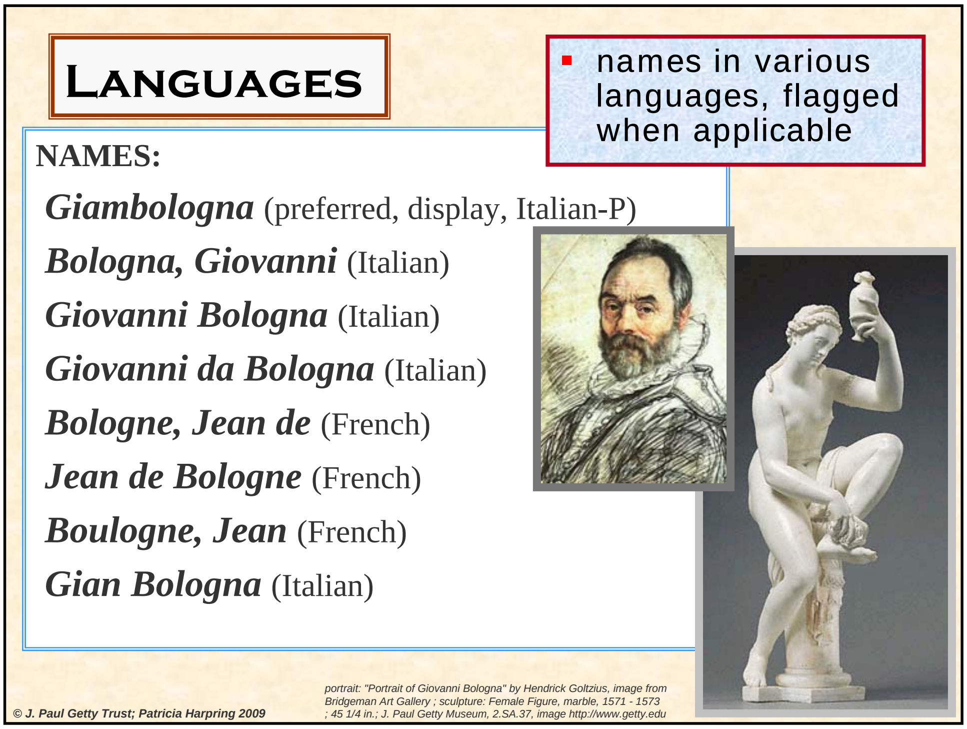
NAMES:

Mato Wanartaka

Kicking Bear

- common translations are also important variants

Portrait: Image from Wikipedia; Battle of Little Big Horn, ca. 1898
Watercolor on muslin2 ft. 11 in. x 5 ft. 10 in. (frame included)
The Southwest Museum (Los Angeles, California)



LANGUAGES

- names in various languages, flagged when applicable

NAMES:

Giambologna (preferred, display, Italian-P)

Bologna, Giovanni (Italian)

Giovanni Bologna (Italian)

Giovanni da Bologna (Italian)

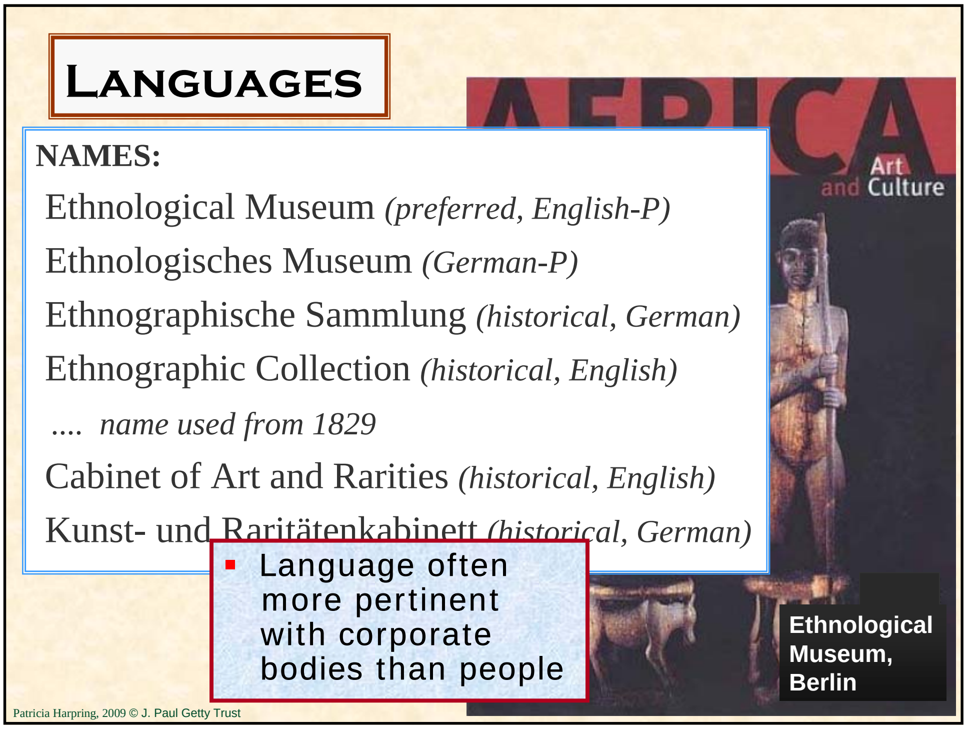
Bologne, Jean de (French)

Jean de Bologne (French)

Boulogne, Jean (French)

Gian Bologna (Italian)

portrait: "Portrait of Giovanni Bologna" by Hendrick Goltzius, image from Bridgeman Art Gallery ; sculpture: Female Figure, marble, 1571 - 1573 ; 45 1/4 in.; J. Paul Getty Museum, 2.SA.37, image http://www.getty.edu



LANGUAGES

NAMES:

Ethnological Museum *(preferred, English-P)*

Ethnologisches Museum *(German-P)*

Ethnographische Sammlung *(historical, German)*

Ethnographic Collection *(historical, English)*

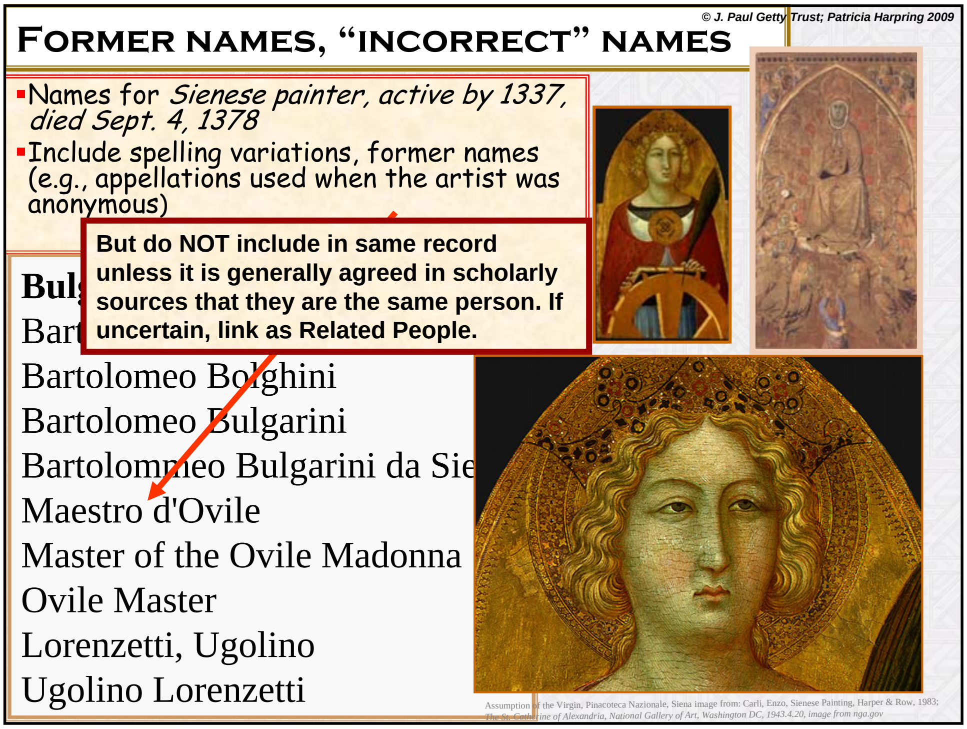
…. *name used from 1829*

Cabinet of Art and Rarities *(historical, English)*

Kunst- und Raritätenkabinett *(historical, German)*

- Language often more pertinent with corporate bodies than people

Ethnological Museum, Berlin



FORMER NAMES, "INCORRECT" NAMES

- Names for *Sienese painter, active by 1337, died Sept. 4, 1378*
- Include spelling variations, former names (e.g., appellations used when the artist was anonymous)

But do NOT include in same record unless it is generally agreed in scholarly sources that they are the same person. If uncertain, link as Related People.

Bul

Bart

Bartolomeo Bolghini

Bartolomeo Bulgarini

Bartolommeo Bulgarini da Sie

Maestro d'Ovile

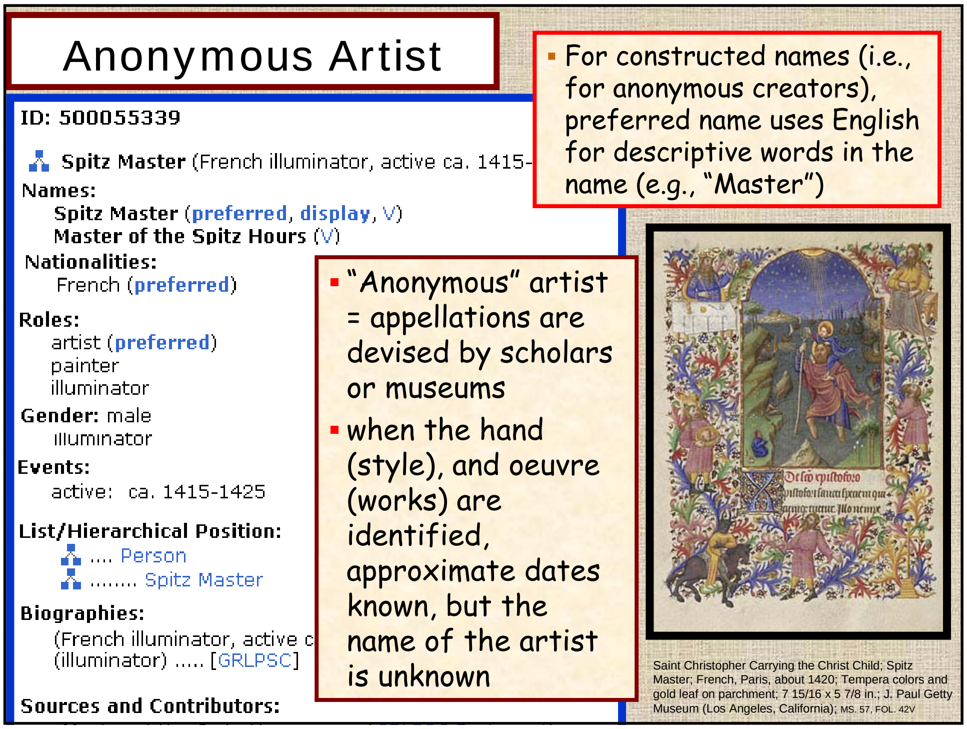
Master of the Ovile Madonna

Ovile Master

Lorenzetti, Ugolino

Ugolino Lorenzetti

Assumption of the Virgin, Pinacoteca Nazionale, Siena image from: Carli, Enzo, Sienese Painting, Harper & Row, 1983;
The St. Catherine of Alexandria, National Gallery of Art, Washington DC, 1943.4.20, image from nga.gov



Anonymous Artist

ID: 500055339

Spitz Master (French illuminator, active ca. 1415-

Names:
Spitz Master (**preferred**, **display**, V)
Master of the Spitz Hours (V)

Nationalities:
French (**preferred**)

Roles:
artist (**preferred**)
painter
illuminator

Gender: male
illuminator

Events:
active: ca. 1415-1425

List/Hierarchical Position:
.... Person
.... Spitz Master

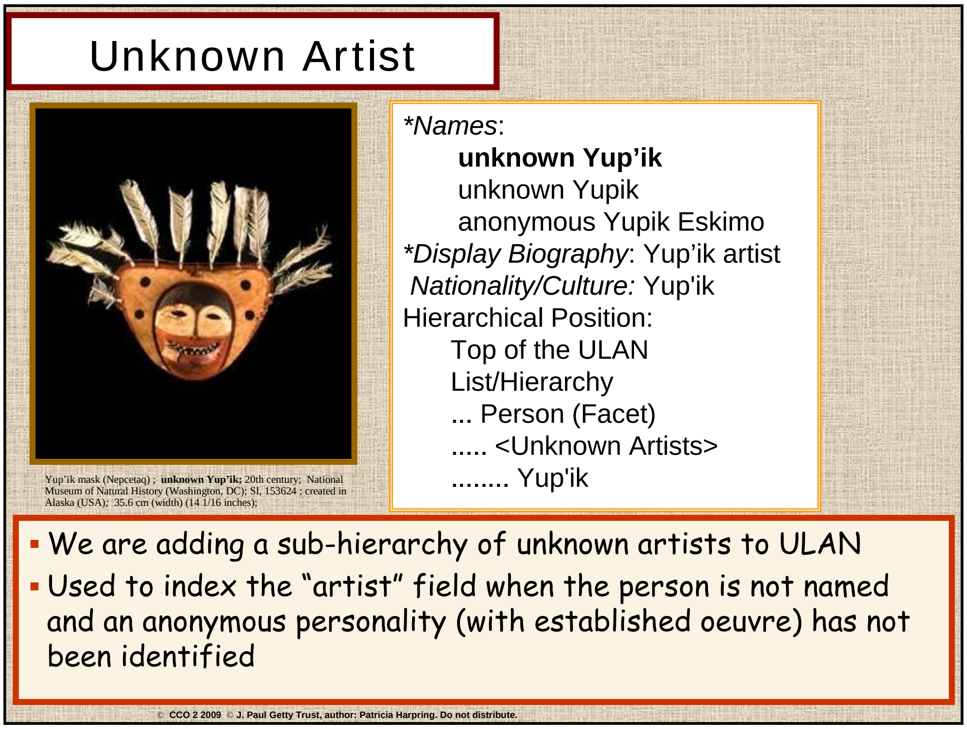
Biographies:
(French illuminator, active c
(illuminator) ..... [GRLPSC]

Sources and Contributors:

- For constructed names (i.e., for anonymous creators), preferred name uses English for descriptive words in the name (e.g., “Master”)

- “Anonymous” artist = appellations are devised by scholars or museums
- when the hand (style), and oeuvre (works) are identified, approximate dates known, but the name of the artist is unknown

Saint Christopher Carrying the Christ Child; Spitz Master; French, Paris, about 1420; Tempera colors and gold leaf on parchment; 7 15/16 x 5 7/8 in.; J. Paul Getty Museum (Los Angeles, California); MS. 57, FOL. 42V



Unknown Artist

**Names*:
unknown Yup’ik
unknown Yupik
anonymous Yupik Eskimo
**Display Biography*: Yup’ik artist
Nationality/Culture: Yup'ik
Hierarchical Position:
Top of the ULAN
List/Hierarchy
... Person (Facet)
..... <Unknown Artists>
.... Yup'ik

Yup’ik mask (Nepcetaq) ; **unknown Yup’ik;** 20th century; National Museum of Natural History (Washington, DC); SI, 153624 ; created in Alaska (USA); 35.6 cm (width) (14 1/16 inches);

- We are adding a sub-hierarchy of unknown artists to ULAN
- Used to index the “artist” field when the person is not named and an anonymous personality (with established oeuvre) has not been identified

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Other information may be attached to names

Name: ***Le Corbusier***

Term ID: ***1500074565***

- unique ID for name

Display Date: ***pseudonym adopted in 1920***

Start Date: ***1920*** End Date: ***9999***

- Dates when the name was or is still used

Contributors: ***AVERY Preferred, BHA Preferred, CCA Preferred, CENSUS Preferred, FDA Preferred, GRLPSC, VP Preferred***

Sources:

Bénézit, Dictionnaire des Peintres (1976)

CCA Authority File (1980-)

Macmillan Encyclopedia of Architects (1982)

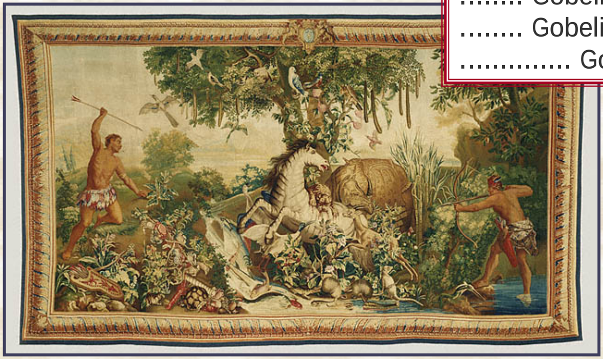
RILA/BHA (1975-2000)

- Sources and contributors for the name

HIERARCHICAL RELATIONSHIP IN ULAN - WHOLE/PART

- hierarchical relationships represented with indentation in display

Gobelins
.... Gobelins Furniture Manufactory
.... Gobelins Marquetry Studio
.... Gobelins Pietra Dura Studio
.... Gobelins Metalwork Studio
.... Gobelins Engraving Studio
.... Gobelins Silversmiths' Studio
.... Gobelins Painting Studio
.... Gobelins Sculpture Studio
.... Gobelins Tapestry Manufactory
.... Gobelins Dye Works



- **For Corporate Bodies and only when necessary**

Le Cheval Rayé; artist: Gobelins tapestry manufactory, based on sketches by Albert Eckhout; ca. 1690-1730; wool and silk; 326 x 580.2 cm ; J. Paul Getty Museum (Los Angeles, CA), 92.DD.21

BIOGRAPHY

- *Display biography*
- *Nationality, culture, ethnicity*
- *Dates of birth and death*
- *Roles*
- *Male or female*
- *Places of birth and death*
- *Important events (locus and dates of activity)*

DISPLAY BIOGRAPHY

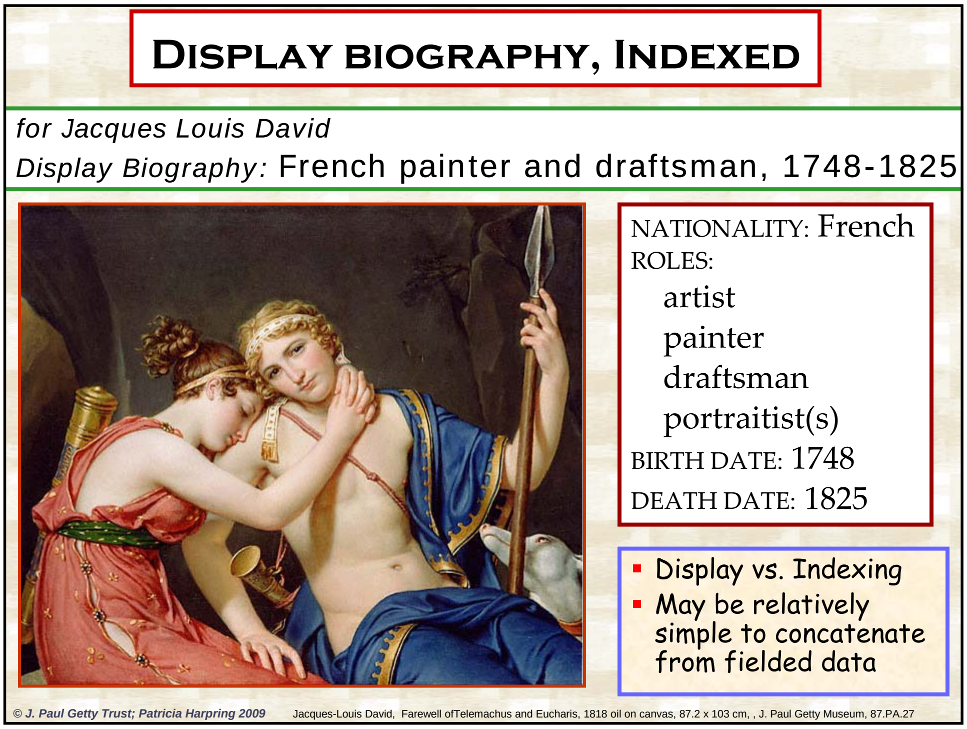
for Jacques Louis David

Display Biography: French painter and draftsman, 1748-1825

- typically includes nationality, roles, birth and death dates
- comma & hyphen as indicated in example

- important information then indexed in appropriate fields using controlled format (for dates) and controlled vocabulary (for roles and nationalities)

Jacques-Louis David, Farewell ofTelemachus and Eucharis, 1818 oil on canvas, 87.2 x 103 cm, , J. Paul Getty Museum, 87.PA.27



DISPLAY BIOGRAPHY, INDEXED

for Jacques Louis David

Display Biography: French painter and draftsman, 1748-1825

NATIONALITY: French

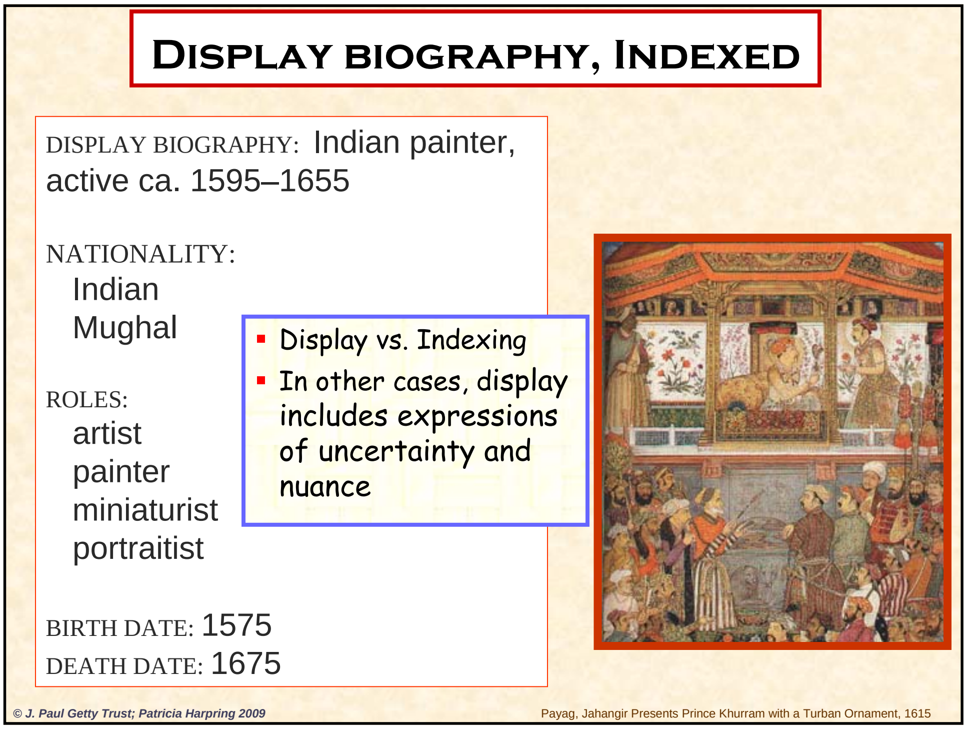
ROLES:
- artist
- painter
- draftsman
- portraitist(s)

BIRTH DATE: 1748

DEATH DATE: 1825

- Display vs. Indexing
- May be relatively simple to concatenate from fielded data

Jacques-Louis David, Farewell ofTelemachus and Eucharis, 1818 oil on canvas, 87.2 x 103 cm, , J. Paul Getty Museum, 87.PA.27



DISPLAY BIOGRAPHY, INDEXED

DISPLAY BIOGRAPHY: Indian painter, active ca. 1595–1655

NATIONALITY:
- Indian
- Mughal

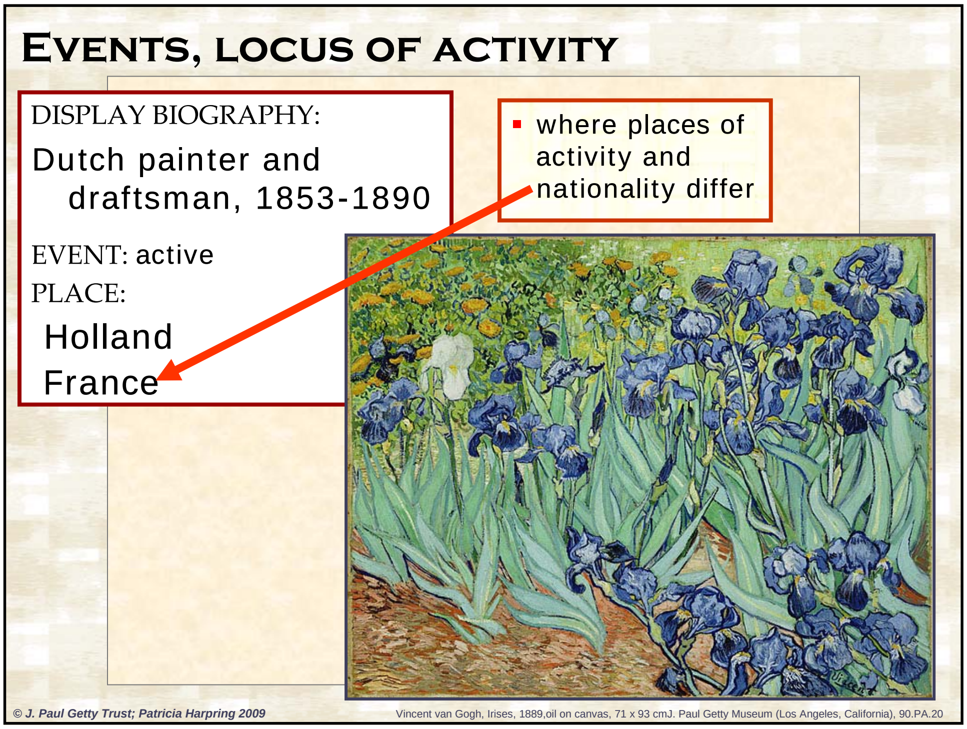
ROLES:
- artist
- painter
- miniaturist
- portraitist

BIRTH DATE: 1575

DEATH DATE: 1675

- Display vs. Indexing
- In other cases, display includes expressions of uncertainty and nuance

Payag, Jahangir Presents Prince Khurram with a Turban Ornament, 1615



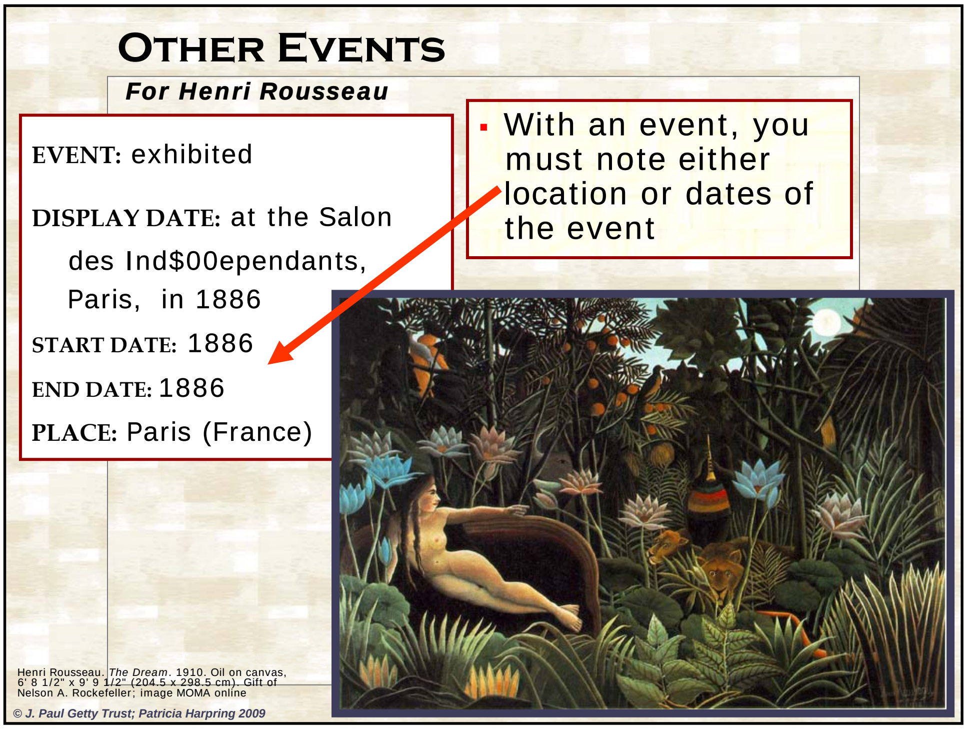
EVENTS, LOCUS OF ACTIVITY

DISPLAY BIOGRAPHY:
Dutch painter and draftsman, 1853-1890

EVENT: active
PLACE:
Holland
France

- where places of activity and nationality differ

Vincent van Gogh, Irises, 1889,oil on canvas, 71 x 93 cmJ. Paul Getty Museum (Los Angeles, California), 90.PA.20



OTHER EVENTS

For Henri Rousseau

EVENT: exhibited

DISPLAY DATE: at the Salon des Ind$00ependants, Paris, in 1886

START DATE: 1886

END DATE: 1886

PLACE: Paris (France)

- With an event, you must note either location or dates of the event

Henri Rousseau. *The Dream*. 1910. Oil on canvas, 6' 8 1/2" x 9' 9 1/2" (204.5 x 298.5 cm). Gift of Nelson A. Rockefeller; image MOMA online

Associative relationships

- person may be related to another person
- person may be related to a corporate body
- corporate bodies may be related to each other
- relationship is reciprocal
- only significant relationships are recorded
- only direct relationships
  - student/teacher is included
  - "influenced by" usually is not

Associative relationships

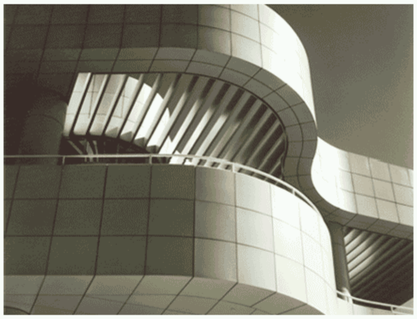
- **<general>**
  e.g., *possibly identified with, distinguished from*
- **<person to person – teaching/learning>**
  e.g., *student of, teacher of, apprentice of, master of, fellow student of*
- **<person to person / person to firm – patronage>**
  e.g., *patron of, client of, court artist to, employee of, appointed by*
- **<person to person – professional collaboration>**
  e.g., *colleague of, associate of, collaborated with, assistant of, partner of*
- **<person to firm/group – professional collaboration>**
  e.g., *partner in, member of, partner of, school of*
- **<firm/group to firm/group>**
  e.g., *successor of, predecessor of*
- **<person to person – family relationships>**
  e.g., *sibling of, child of, parent of, grandparent of, nephew of, uncle of, aunt of, spouse of, godparent of*
- **<person to person – personal relationship>**
  e.g., *friend of*
- **<person to institution – professional/administrative>**
  e.g., *founder of, founded by, director of, publisher of, president of, student at, performed with*

RELATED PEOPLE/CORPORATE BODIES

RELATIONSHIP TYPE:
members are

RELATED PERSONS:
Richard Meier
Michael Palladino
James R. Crawford
Bernhard Karpf
Reynolds Logan

Richard Meier & Partners Architects LLP



- **"associative relationship"**
- **e.g., a corporate body may be related to persons**

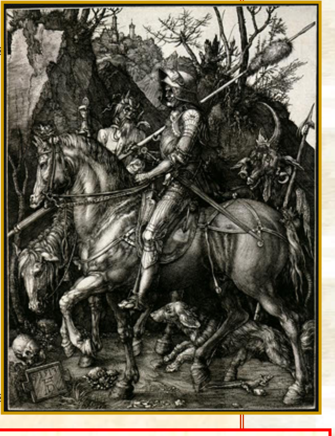
http://www.richardmeier.com/ ©Richard Meier & Partners, *from: info@som.com*

RELATED PEOPLE/CORPORATE BODIES

for Albrecht Dürer (German, 1471-1528)

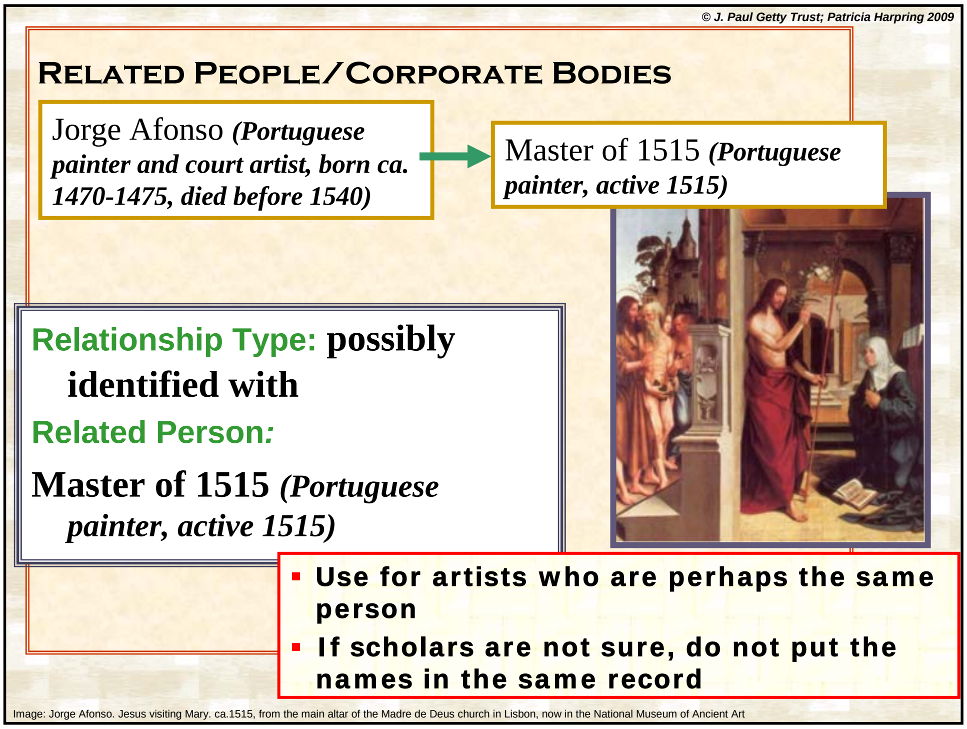
Relationship Type: sibling of
Related Person: Hans Dürer

Relationship Type: student of
Related Person: Michael Wolgemut
Display Date: from 1486 through 1490
Start Date: 1486 **End Date:** 1490



- **student/teacher relationships**
- **familial relationships if the relative is also an artist**
- **dates of relationship**
- **Start and End dates are used for searching, do not display to end user**

Albrecht Dürer; German, 1471 - 1528; Knight, Death and Devil, 1513; engraving on laid paper, sheet: 24.8 x 19 cm (9 3/4 x 7 1/2 in.); © National Gallery of Art, Washington, DC, Gift of W.G. Russell Allen, 1941.1.20



RELATED PEOPLE/CORPORATE BODIES

Jorge Afonso ***(Portuguese painter and court artist, born ca. 1470-1475, died before 1540)***

Master of 1515 ***(Portuguese painter, active 1515)***

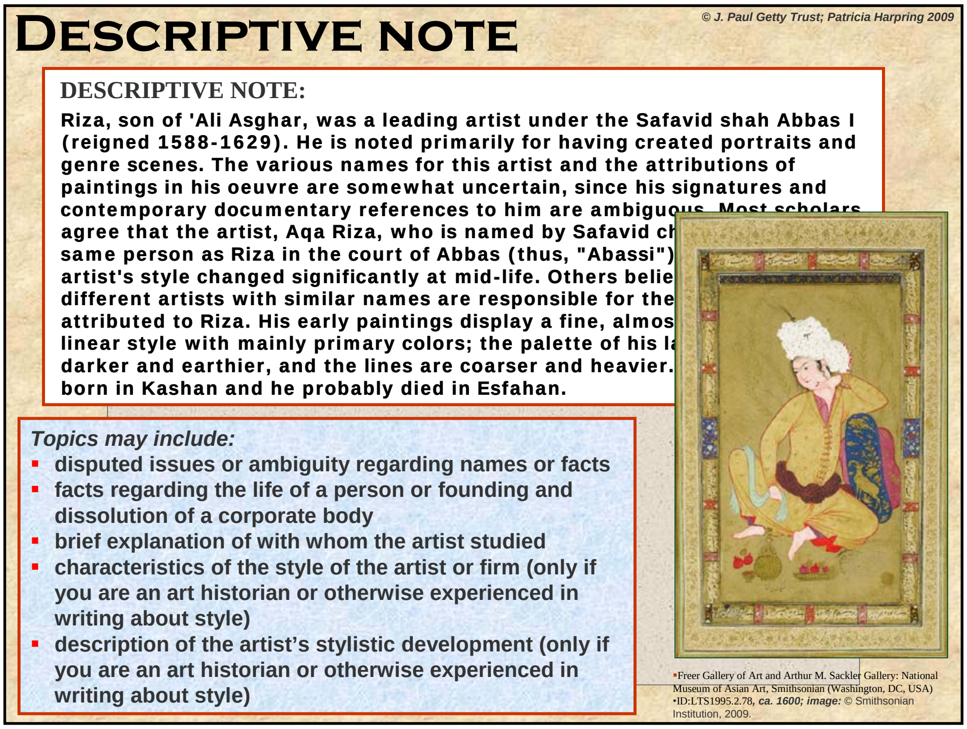
Relationship Type: possibly identified with

Related Person*:*

Master of 1515 *(Portuguese painter, active 1515)*

- **Use for artists who are perhaps the same person**
- **If scholars are not sure, do not put the names in the same record**

Image: Jorge Afonso. Jesus visiting Mary. ca.1515, from the main altar of the Madre de Deus church in Lisbon, now in the National Museum of Ancient Art



DESCRIPTIVE NOTE

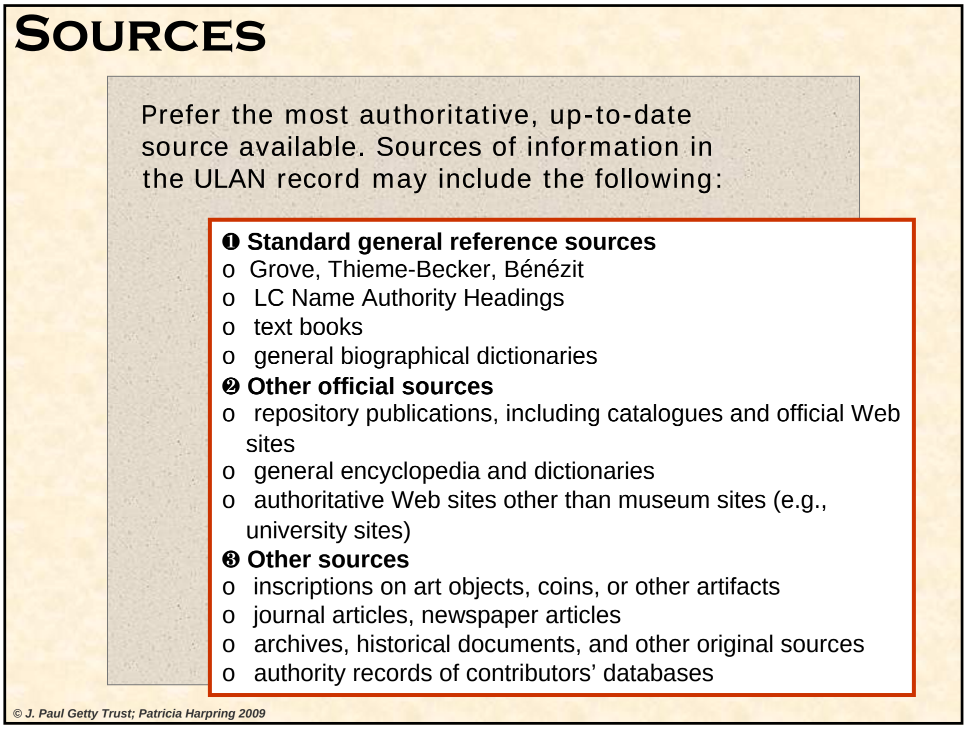
DESCRIPTIVE NOTE:

Riza, son of 'Ali Asghar, was a leading artist under the Safavid shah Abbas I (reigned 1588-1629). He is noted primarily for having created portraits and genre scenes. The various names for this artist and the attributions of paintings in his oeuvre are somewhat uncertain, since his signatures and contemporary documentary references to him are ambiguous. Most scholars
agree that the artist, Aqa Riza, who is named by Safavid ch
same person as Riza in the court of Abbas (thus, "Abassi")
artist's style changed significantly at mid-life. Others belie
different artists with similar names are responsible for the
attributed to Riza. His early paintings display a fine, almos
linear style with mainly primary colors; the palette of his la
darker and earthier, and the lines are coarser and heavier.
born in Kashan and he probably died in Esfahan.

Topics may include:

- disputed issues or ambiguity regarding names or facts
- facts regarding the life of a person or founding and dissolution of a corporate body
- brief explanation of with whom the artist studied
- characteristics of the style of the artist or firm (only if you are an art historian or otherwise experienced in writing about style)
- description of the artist's stylistic development (only if you are an art historian or otherwise experienced in writing about style)

- Freer Gallery of Art and Arthur M. Sackler Gallery: National Museum of Asian Art, Smithsonian (Washington, DC, USA)
- ID:LTS1995.2.78***, ca. 1600; image:*** © Smithsonian Institution, 2009.



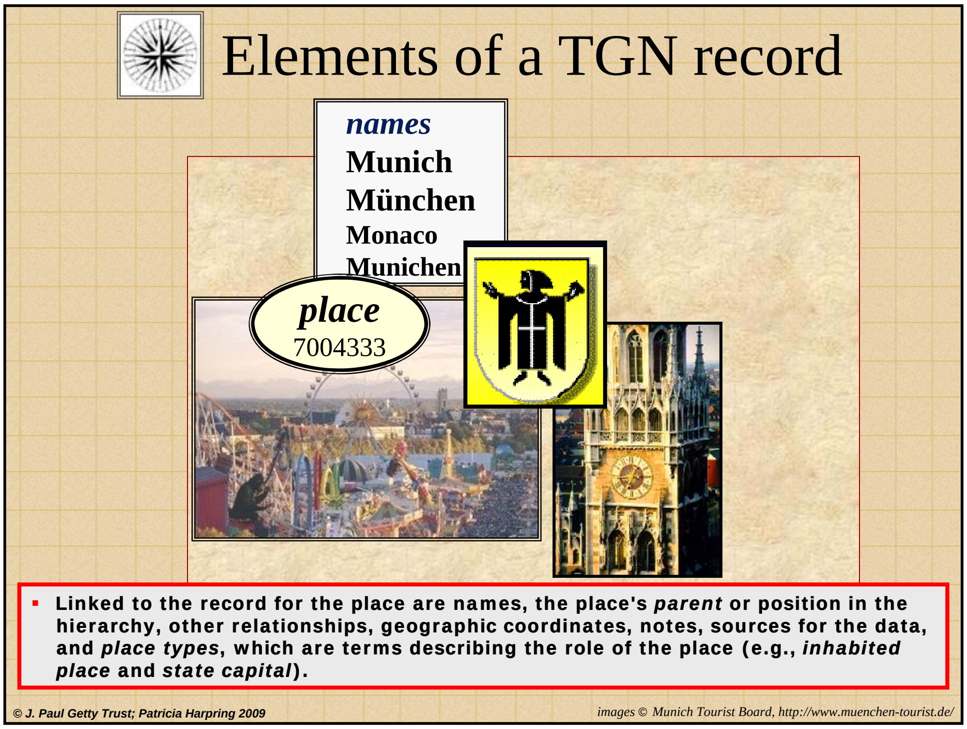
SOURCES

Prefer the most authoritative, up-to-date source available. Sources of information in the ULAN record may include the following:

❶ Standard general reference sources
- o Grove, Thieme-Becker, Bénézit
- o LC Name Authority Headings
- o text books
- o general biographical dictionaries

❷ Other official sources
- o repository publications, including catalogues and official Web sites
- o general encyclopedia and dictionaries
- o authoritative Web sites other than museum sites (e.g., university sites)

❸ Other sources
- o inscriptions on art objects, coins, or other artifacts
- o journal articles, newspaper articles
- o archives, historical documents, and other original sources
- o authority records of contributors’ databases



Elements of a TGN record

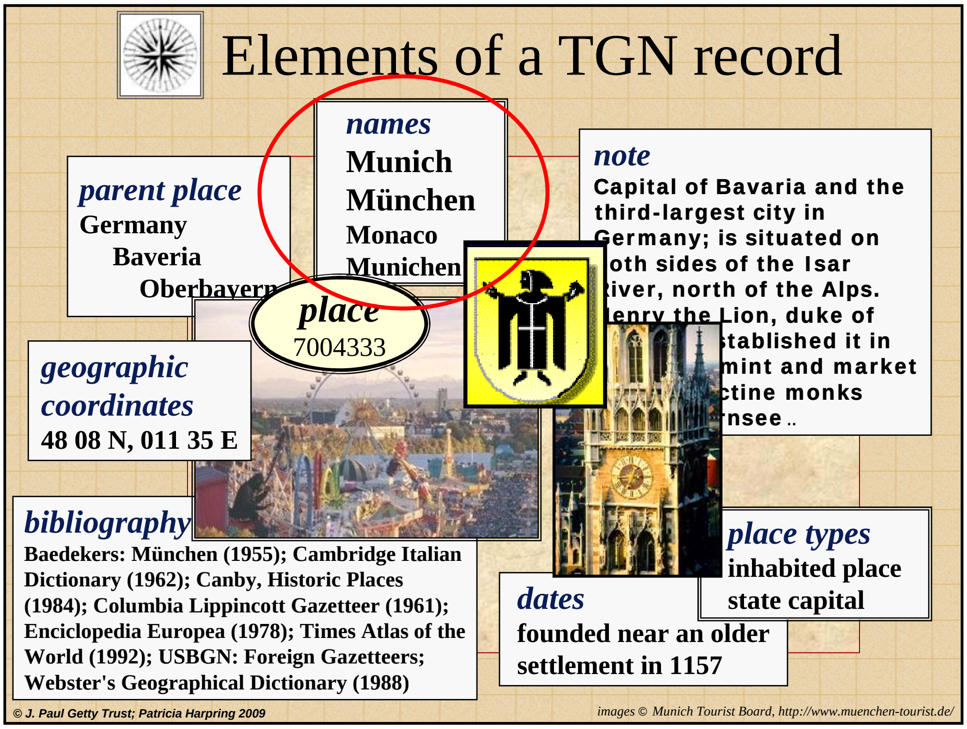
names

Munich
München
Monaco
Munichen

place
7004333

- **Linked to the record for the place are names, the place's *parent* or position in the hierarchy, other relationships, geographic coordinates, notes, sources for the data, and *place types*, which are terms describing the role of the place (e.g., *inhabited place* and *state capital*).**

images © Munich Tourist Board, http://www.muenchen-tourist.de/



Elements of a TGN record

names
Munich
München
Monaco
Munichen

parent place
Germany
Baveria
Oberbayern

place
7004333

note
Capital of Bavaria and the third-largest city in Germany; is situated on
oth sides of the Isar
iver, north of the Alps.
enry the Lion, duke of
tablished it in
mint and market
ctine monks
nsee ..

geographic coordinates
48 08 N, 011 35 E

bibliography
Baedekers: München (1955); Cambridge Italian Dictionary (1962); Canby, Historic Places (1984); Columbia Lippincott Gazetteer (1961); Enciclopedia Europea (1978); Times Atlas of the World (1992); USBGN: Foreign Gazetteers; Webster's Geographical Dictionary (1988)

place types
inhabited place
state capital

dates
founded near an older settlement in 1157

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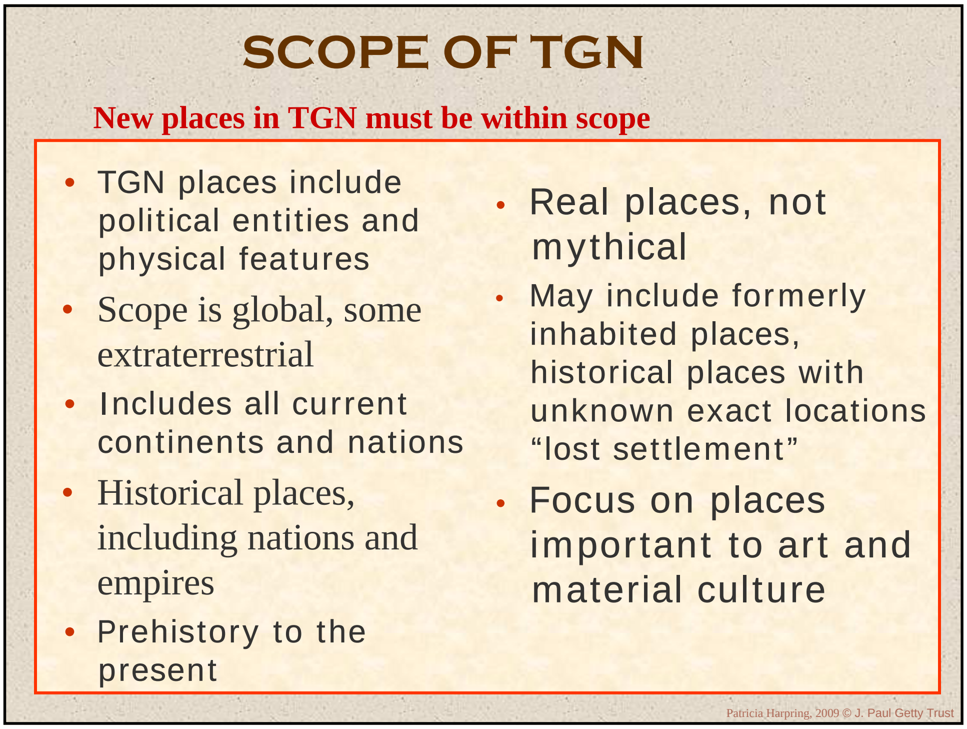
images © Munich Tourist Board, http://www.muenchen-tourist.de/

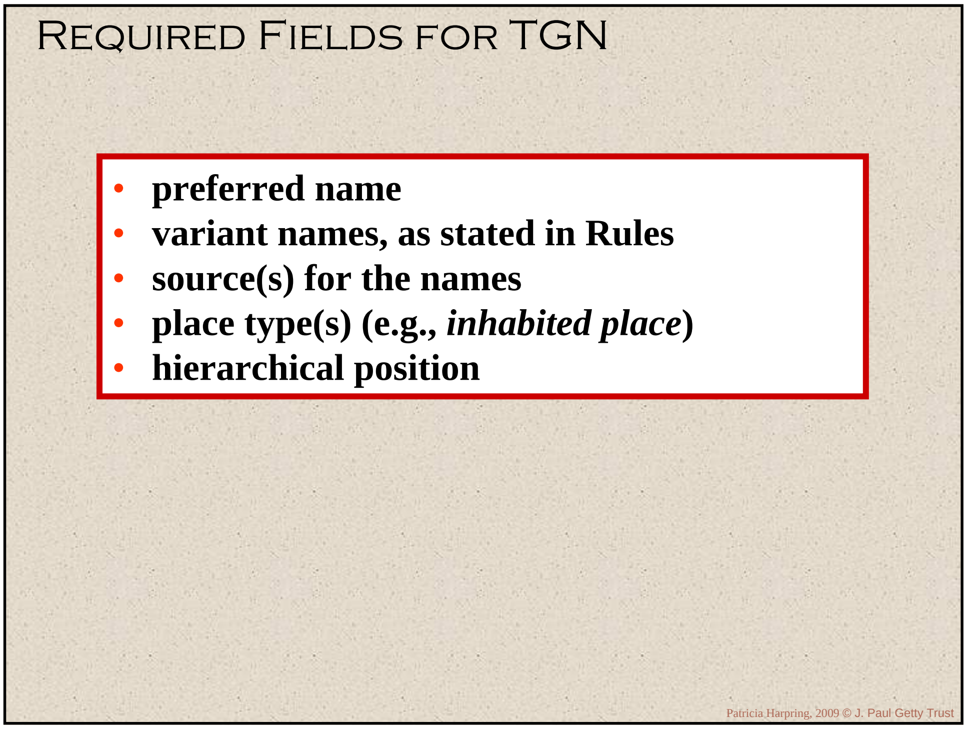


SCOPE OF TGN

New places in TGN must be within scope

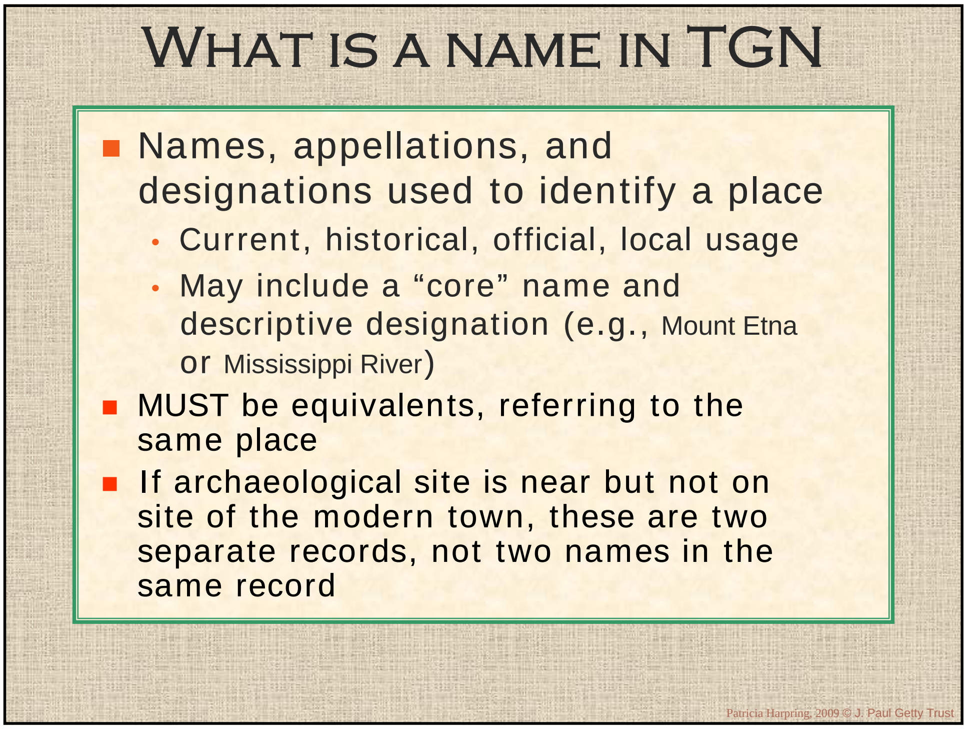
- TGN places include political entities and physical features
- Scope is global, some extraterrestrial
- Includes all current continents and nations
- Historical places, including nations and empires
- Prehistory to the present
- Real places, not mythical
- May include formerly inhabited places, historical places with unknown exact locations "lost settlement"
- Focus on places important to art and material culture

Patricia Harpring, 2009 © J. Paul Getty Trust



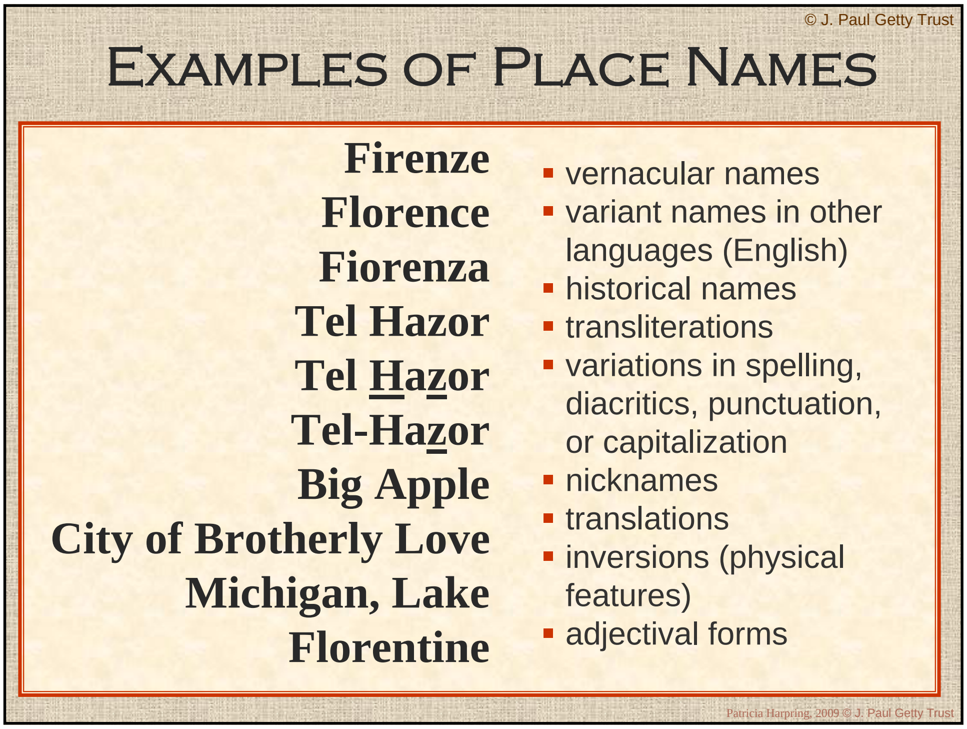
REQUIRED FIELDS FOR TGN

- **preferred name**
- **variant names, as stated in Rules**
- **source(s) for the names**
- **place type(s) (e.g., *inhabited place*)**
- **hierarchical position**



WHAT IS A NAME IN TGN

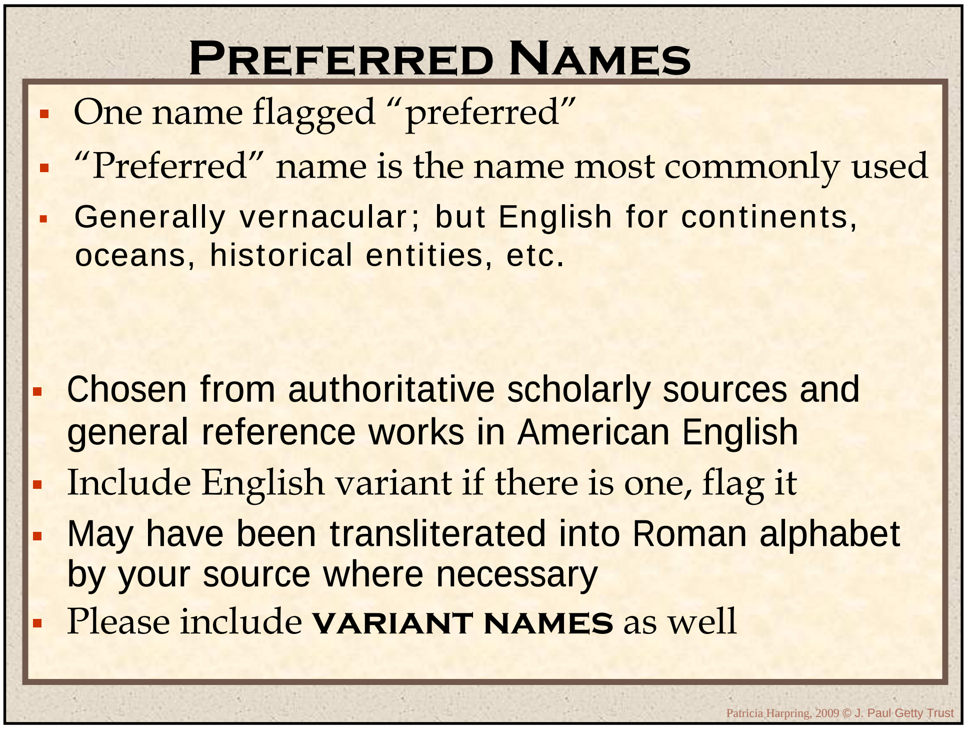
- Names, appellations, and designations used to identify a place
  - Current, historical, official, local usage
  - May include a “core” name and descriptive designation (e.g., Mount Etna or Mississippi River)
- MUST be equivalents, referring to the same place
- If archaeological site is near but not on site of the modern town, these are two separate records, not two names in the same record



EXAMPLES OF PLACE NAMES

Firenze
Florence
Fiorenza
Tel Hazor
Tel H̲az̲or
Tel-Haz̲or
Big Apple
City of Brotherly Love
Michigan, Lake
Florentine

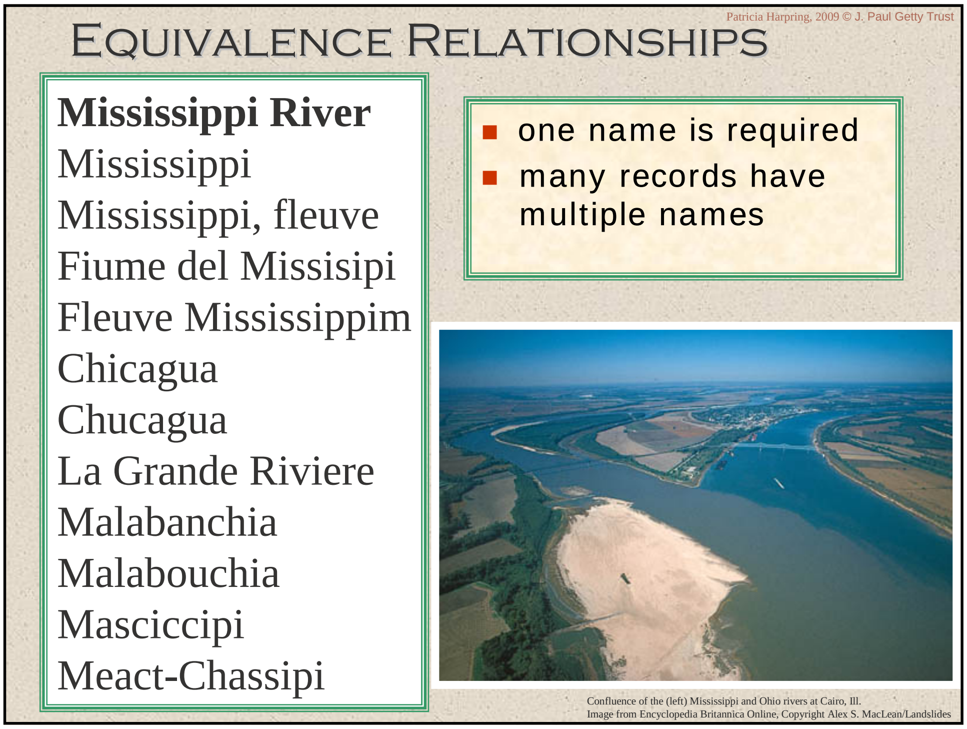
- vernacular names
- variant names in other languages (English)
- historical names
- transliterations
- variations in spelling, diacritics, punctuation, or capitalization
- nicknames
- translations
- inversions (physical features)
- adjectival forms



PREFERRED NAMES

- One name flagged “preferred”
- “Preferred” name is the name most commonly used
- Generally vernacular; but English for continents, oceans, historical entities, etc.

- Chosen from authoritative scholarly sources and general reference works in American English
- Include English variant if there is one, flag it
- May have been transliterated into Roman alphabet by your source where necessary
- Please include **VARIANT NAMES** as well

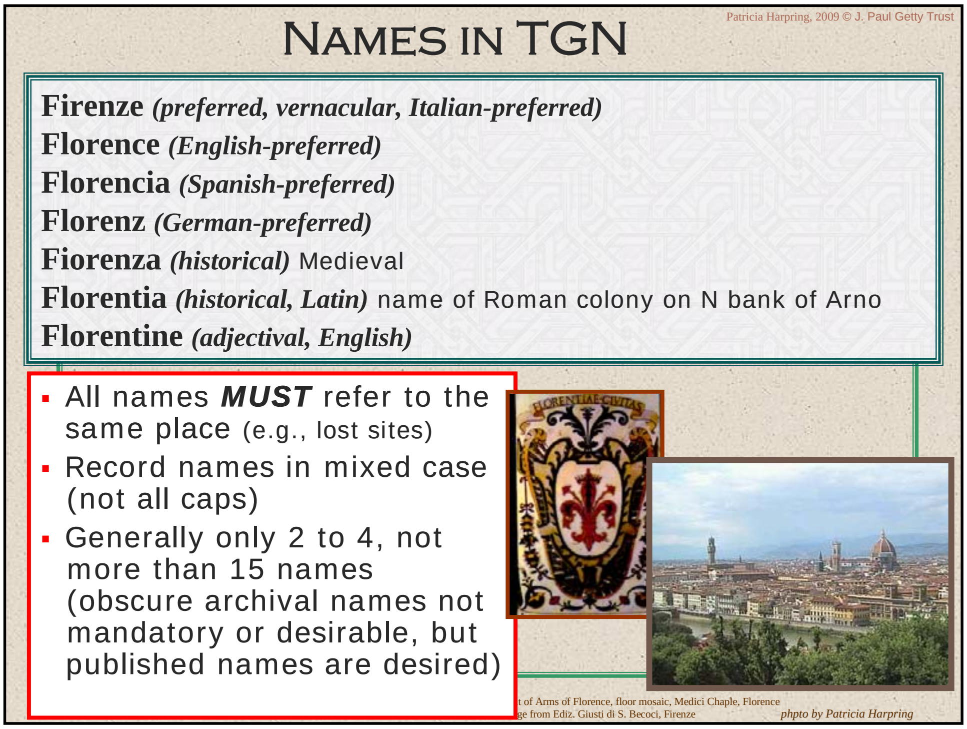


EQUIVALENCE RELATIONSHIPS

Mississippi River
Mississippi
Mississippi, fleuve
Fiume del Missisipi
Fleuve Mississippim
Chicagua
Chucagua
La Grande Riviere
Malabanchia
Malabouchia
Masciccipi
Meact-Chassipi

- one name is required
- many records have multiple names

Confluence of the (left) Mississippi and Ohio rivers at Cairo, Ill.
Image from Encyclopedia Britannica Online, Copyright Alex S. MacLean/Landslides

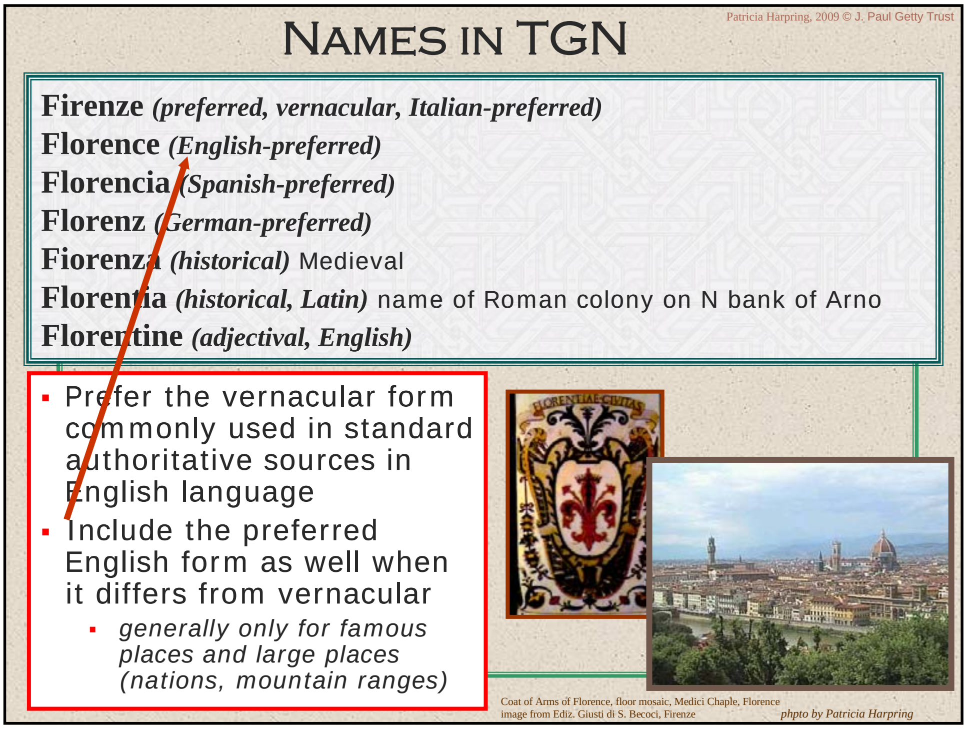


NAMES IN TGN

Firenze ***(preferred, vernacular, Italian-preferred)***
Florence ***(English-preferred)***
Florencia ***(Spanish-preferred)***
Florenz ***(German-preferred)***
Fiorenza ***(historical)*** Medieval
Florentia ***(historical, Latin)*** name of Roman colony on N bank of Arno
Florentine ***(adjectival, English)***

- All names ***MUST*** refer to the same place (e.g., lost sites)
- Record names in mixed case (not all caps)
- Generally only 2 to 4, not more than 15 names (obscure archival names not mandatory or desirable, but published names are desired)

t of Arms of Florence, floor mosaic, Medici Chaple, Florence
ge from Ediz. Giusti di S. Becoci, Firenze
phpto by Patricia Harpring



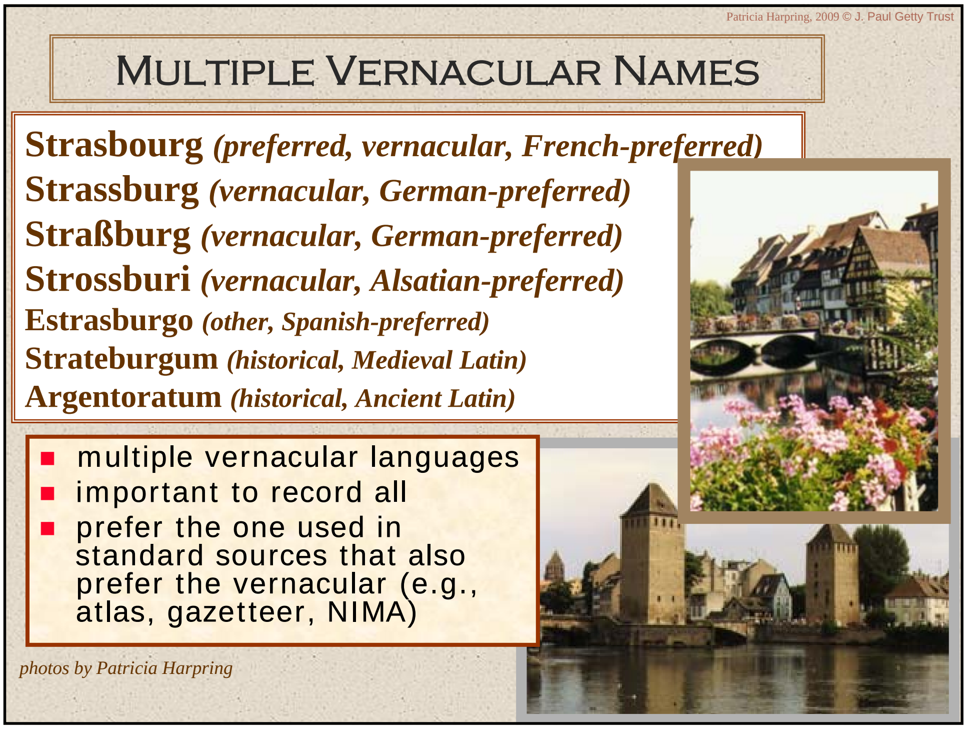
NAMES IN TGN

Firenze *(preferred, vernacular, Italian-preferred)*
Florence *(English-preferred)*
Florencia *(Spanish-preferred)*
Florenz *(German-preferred)*
Fiorenza *(historical)* Medieval
Florentia *(historical, Latin)* name of Roman colony on N bank of Arno
Florentine *(adjectival, English)*

- Prefer the vernacular form commonly used in standard authoritative sources in English language
- Include the preferred English form as well when it differs from vernacular
  - *generally only for famous places and large places (nations, mountain ranges)*

Coat of Arms of Florence, floor mosaic, Medici Chaple, Florence
image from Ediz. Giusti di S. Becoci, Firenze

phpto by Patricia Harpring

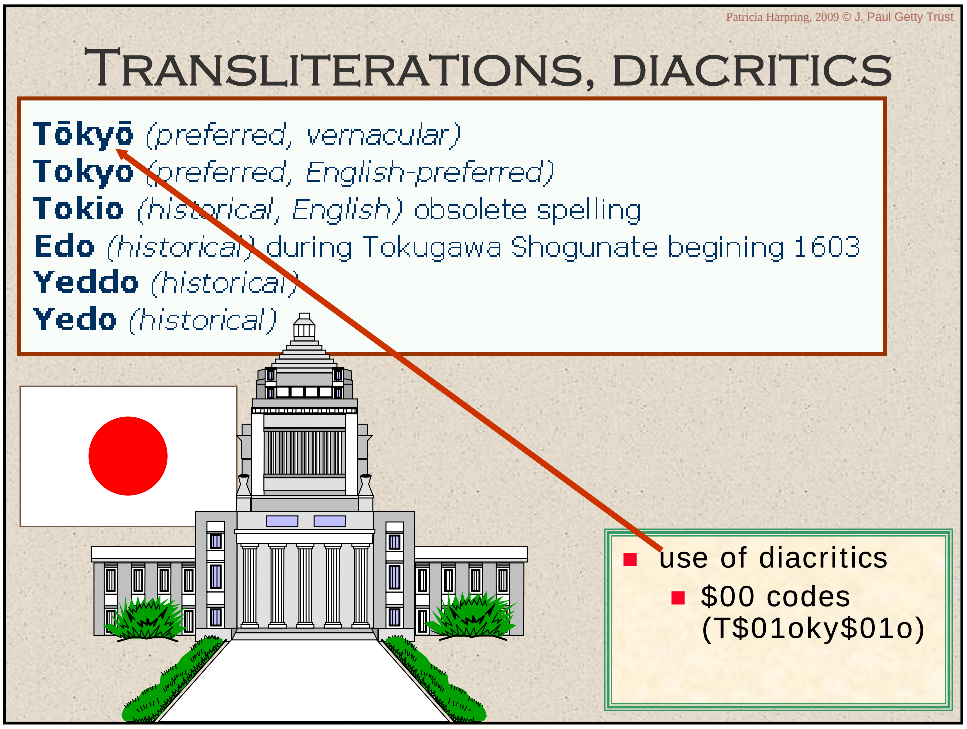


MULTIPLE VERNACULAR NAMES

Strasbourg *(preferred, vernacular, French-preferred)*
Strassburg *(vernacular, German-preferred)*
Straßburg *(vernacular, German-preferred)*
Strossburi *(vernacular, Alsatian-preferred)*
Estrasburgo *(other, Spanish-preferred)*
Strateburgum *(historical, Medieval Latin)*
Argentoratum *(historical, Ancient Latin)*

- multiple vernacular languages
- important to record all
- prefer the one used in standard sources that also prefer the vernacular (e.g., atlas, gazetteer, NIMA)

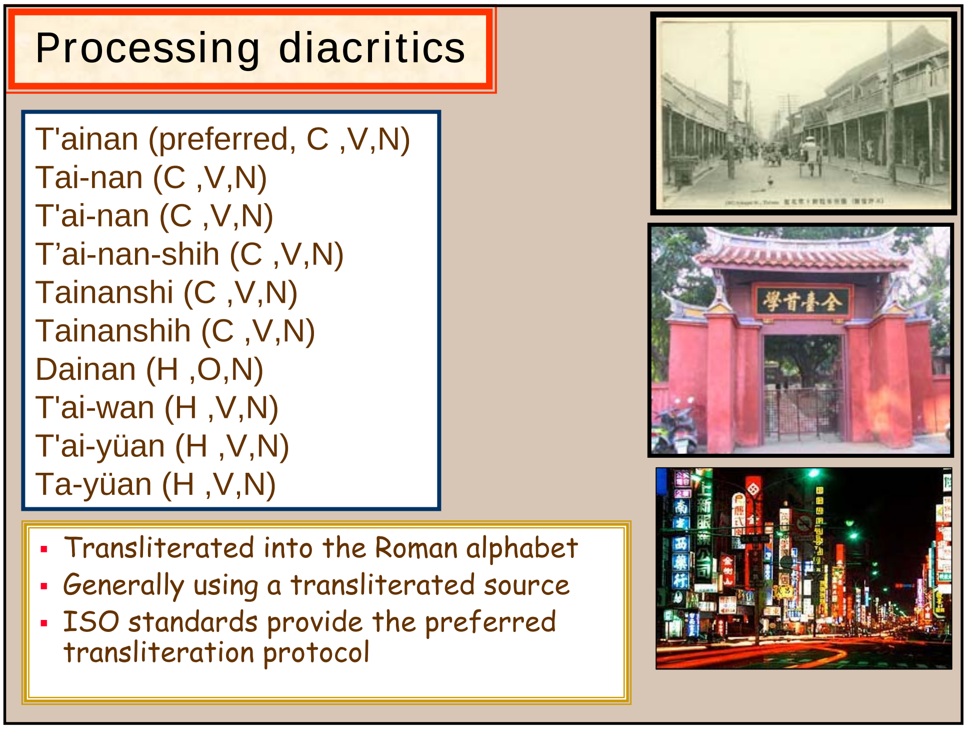
photos by Patricia Harpring



TRANSLITERATIONS, DIACRITICS

Tōkyō *(preferred, vernacular)*
Tokyo *(preferred, English-preferred)*
Tokio *(historical, English)* obsolete spelling
Edo *(historical)* during Tokugawa Shogunate begining 1603
Yeddo *(historical)*
Yedo *(historical)*

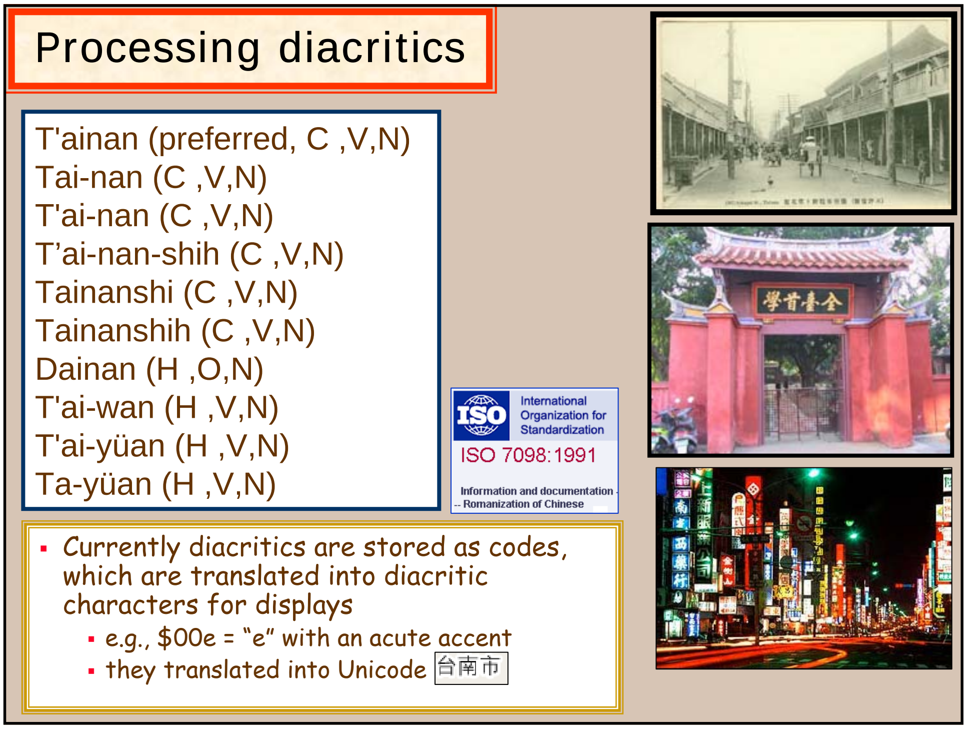
- use of diacritics
  - $00 codes (T$01oky$01o)



Processing diacritics

T'ainan (preferred, C ,V,N)
Tai-nan (C ,V,N)
T'ai-nan (C ,V,N)
T’ai-nan-shih (C ,V,N)
Tainanshi (C ,V,N)
Tainanshih (C ,V,N)
Dainan (H ,O,N)
T'ai-wan (H ,V,N)
T'ai-yüan (H ,V,N)
Ta-yüan (H ,V,N)

- Transliterated into the Roman alphabet
- Generally using a transliterated source
- ISO standards provide the preferred transliteration protocol



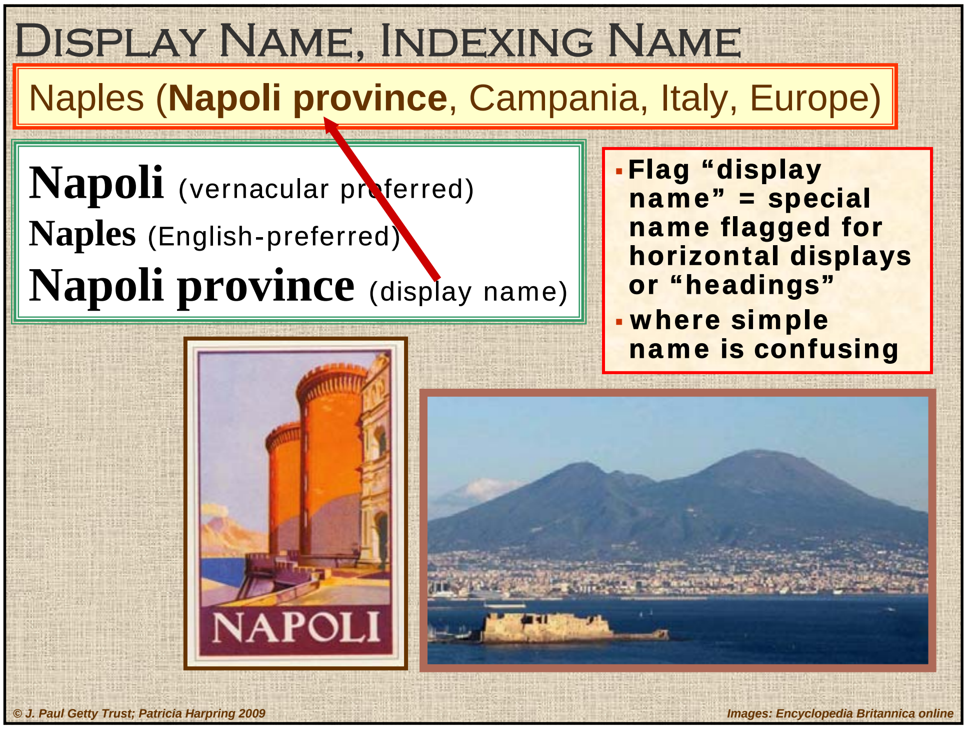
Processing diacritics

T'ainan (preferred, C ,V,N)
Tai-nan (C ,V,N)
T'ai-nan (C ,V,N)
T'ai-nan-shih (C ,V,N)
Tainanshi (C ,V,N)
Tainanshih (C ,V,N)
Dainan (H ,O,N)
T'ai-wan (H ,V,N)
T'ai-yüan (H ,V,N)
Ta-yüan (H ,V,N)

International Organization for Standardization
ISO 7098:1991
Information and documentation -- Romanization of Chinese

- Currently diacritics are stored as codes, which are translated into diacritic characters for displays
  - e.g., $00e = "e" with an acute accent
  - they translated into Unicode 台南市

全臺首學



DISPLAY NAME, INDEXING NAME

Naples (**Napoli province**, Campania, Italy, Europe)

Napoli (vernacular preferred)
Naples (English-preferred)
Napoli province (display name)

- **Flag "display name" = special name flagged for horizontal displays or "headings"**
- **where simple name is confusing**

NAPOLI

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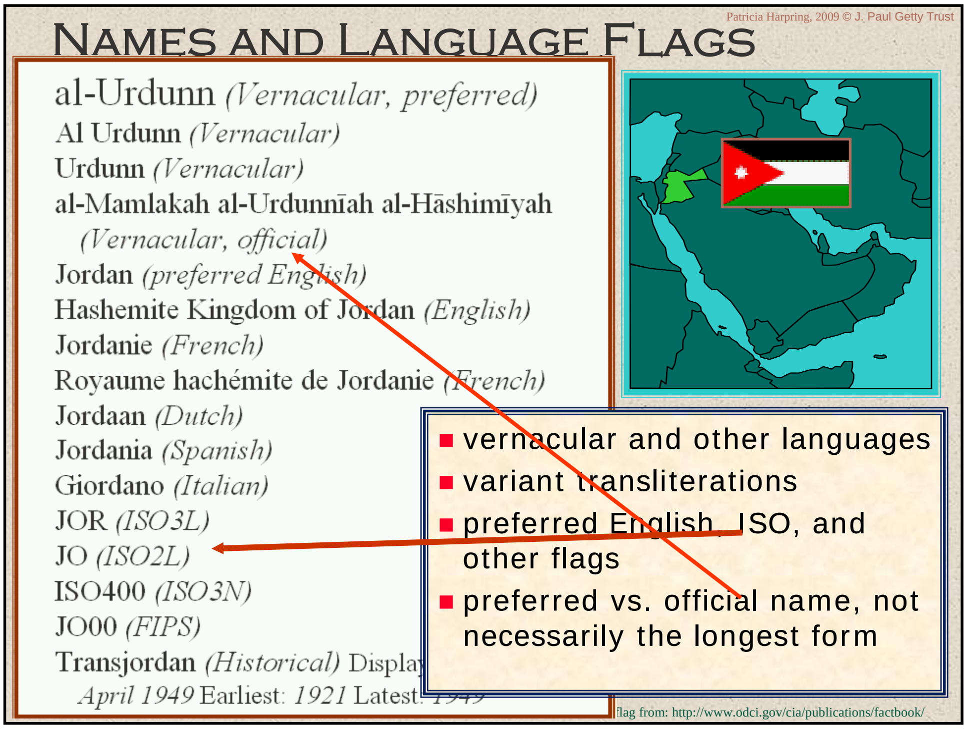
Images: Encyclopedia Britannica online

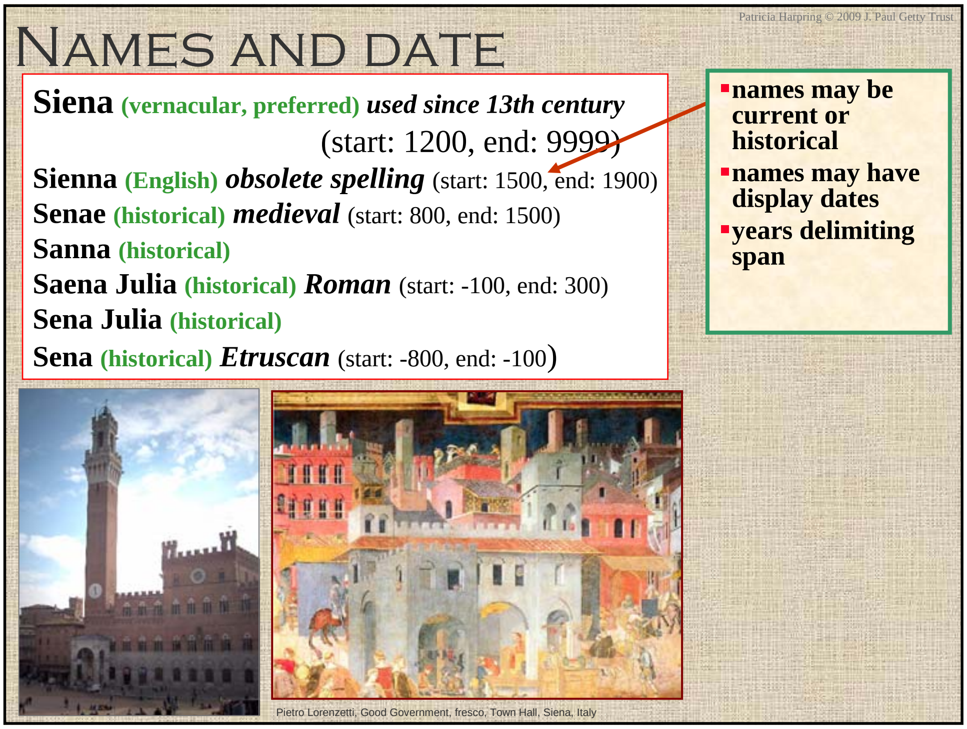


Names and Language Flags

al-Urdunn *(Vernacular, preferred)*
Al Urdunn *(Vernacular)*
Urdunn *(Vernacular)*
al-Mamlakah al-Urdunnīah al-Hāshimīyah *(Vernacular, official)*
Jordan *(preferred English)*
Hashemite Kingdom of Jordan *(English)*
Jordanie *(French)*
Royaume hachémite de Jordanie *(French)*
Jordaan *(Dutch)*
Jordania *(Spanish)*
Giordano *(Italian)*
JOR *(ISO3L)*
JO *(ISO2L)*
ISO400 *(ISO3N)*
JO00 *(FIPS)*
Transjordan *(Historical)* Display
April 1949 Earliest: *1921* Latest: *1949*

- vernacular and other languages
- variant transliterations
- preferred English, ISO, and other flags
- preferred vs. official name, not necessarily the longest form

flag from: http://www.odci.gov/cia/publications/factbook/

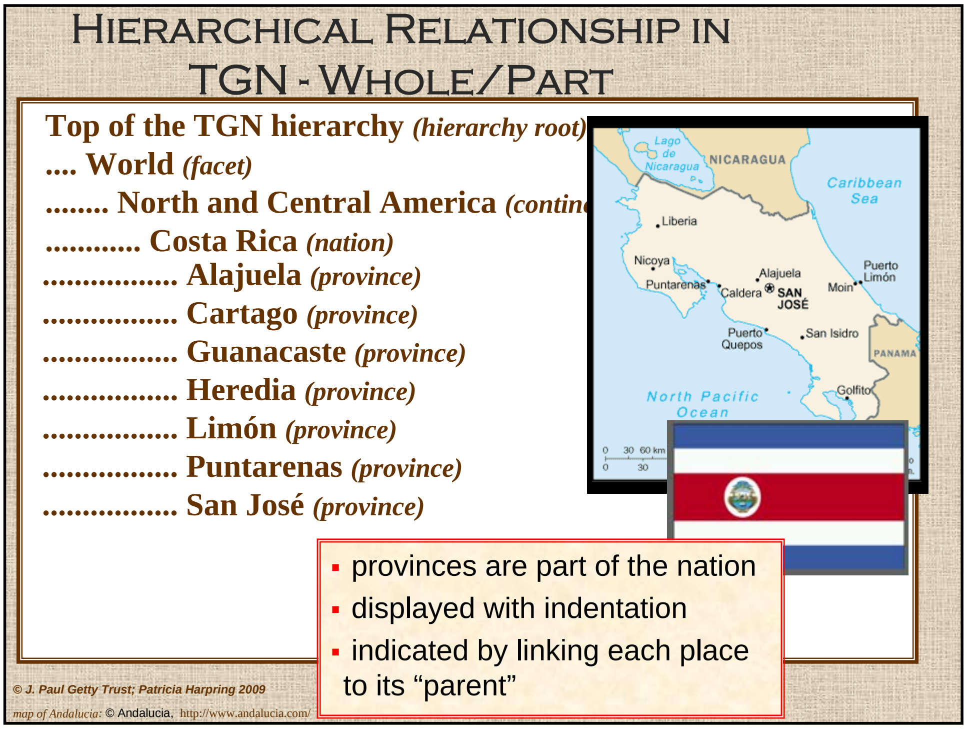


Names and Date

Siena **(vernacular, preferred)** ***used since 13th century*** (start: 1200, end: 9999)
Sienna **(English)** ***obsolete spelling*** (start: 1500, end: 1900)
Senae **(historical)** ***medieval*** (start: 800, end: 1500)
Sanna **(historical)**
Saena Julia **(historical)** ***Roman*** (start: -100, end: 300)
Sena Julia **(historical)**
Sena **(historical)** ***Etruscan*** (start: -800, end: -100)

- **names may be current or historical**
- **names may have display dates**
- **years delimiting span**

Pietro Lorenzetti, Good Government, fresco, Town Hall, Siena, Italy



HIERARCHICAL RELATIONSHIP IN TGN - WHOLE/PART

Top of the TGN hierarchy *(hierarchy root)*
.... **World** *(facet)*
.... **North and Central America** *(contin*
.... **Costa Rica** *(nation)*
.... **Alajuela** *(province)*
.... **Cartago** *(province)*
.... **Guanacaste** *(province)*
.... **Heredia** *(province)*
.... **Limón** *(province)*
.... **Puntarenas** *(province)*
.... **San José** *(province)*

- provinces are part of the nation
- displayed with indentation
- indicated by linking each place to its "parent"

Lago de Nicaragua
NICARAGUA
Caribbean Sea
Liberia
Nicoya
Puntarenas
Caldera
Alajuela
SAN JOSÉ
Moin
Puerto Limón
Puerto Quepos
San Isidro
PANAMA
Golfito
North Pacific Ocean
0 30 60 km
0 30

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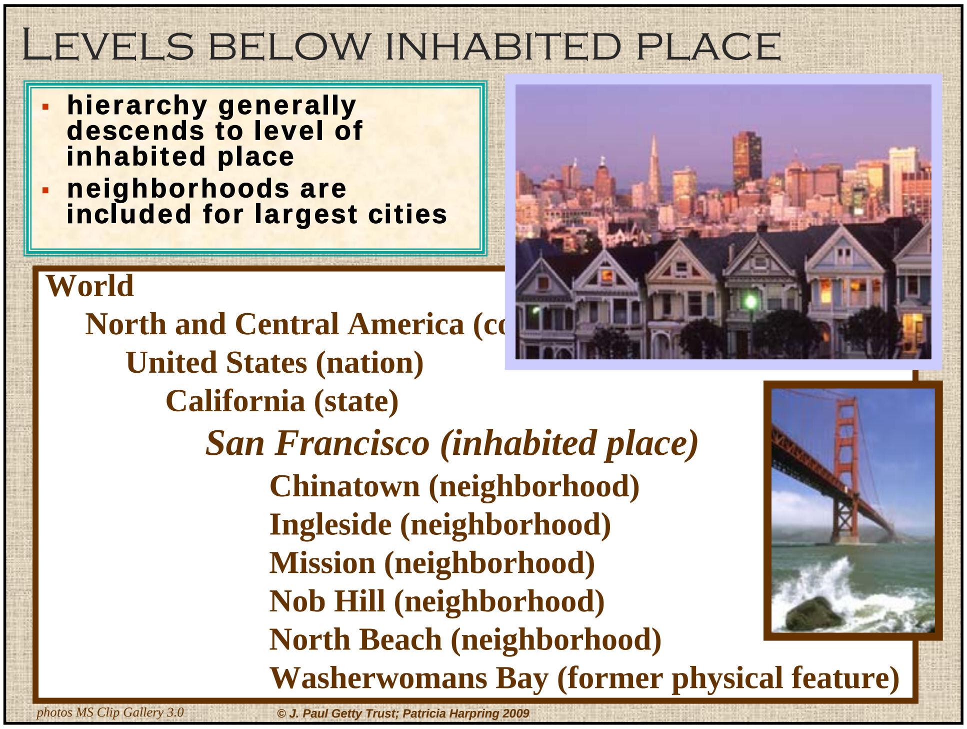
map of Andalucia: © Andalucia, http://www.andalucia.com/

- Choosing the parent
- To add a new record, TGN requires that you name the correct administrative division within the nation where the place should be positioned
- Consult the Rules and precedent for other places in that nation
- If you cannot determine the correct administrative subdivision, use the narrowest level known (e.g., state or nation, if you do not know the county)

Patricia Harpring, 2009 © J. Paul Getty Trust



LEVELS BELOW INHABITED PLACE

- hierarchy generally descends to level of inhabited place
- neighborhoods are included for largest cities

World
    North and Central America (co
        United States (nation)
            California (state)
                San Francisco (inhabited place)
                    Chinatown (neighborhood)
                    Ingleside (neighborhood)
                    Mission (neighborhood)
                    Nob Hill (neighborhood)
                    North Beach (neighborhood)
                    Washerwomans Bay (former physical feature)

photos MS Clip Gallery 3.0

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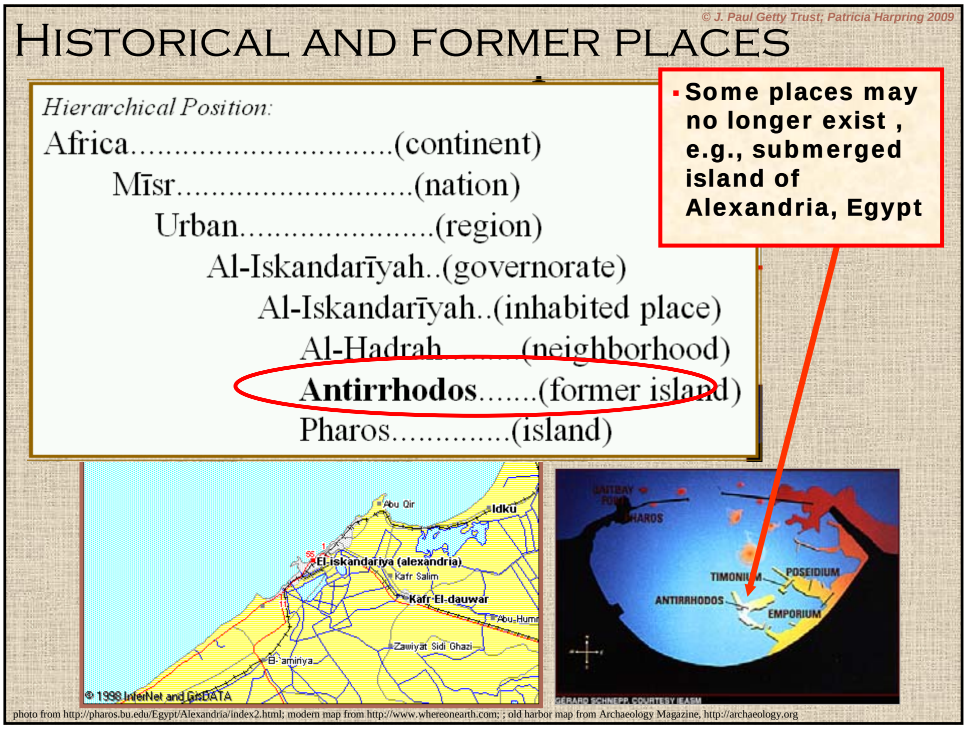

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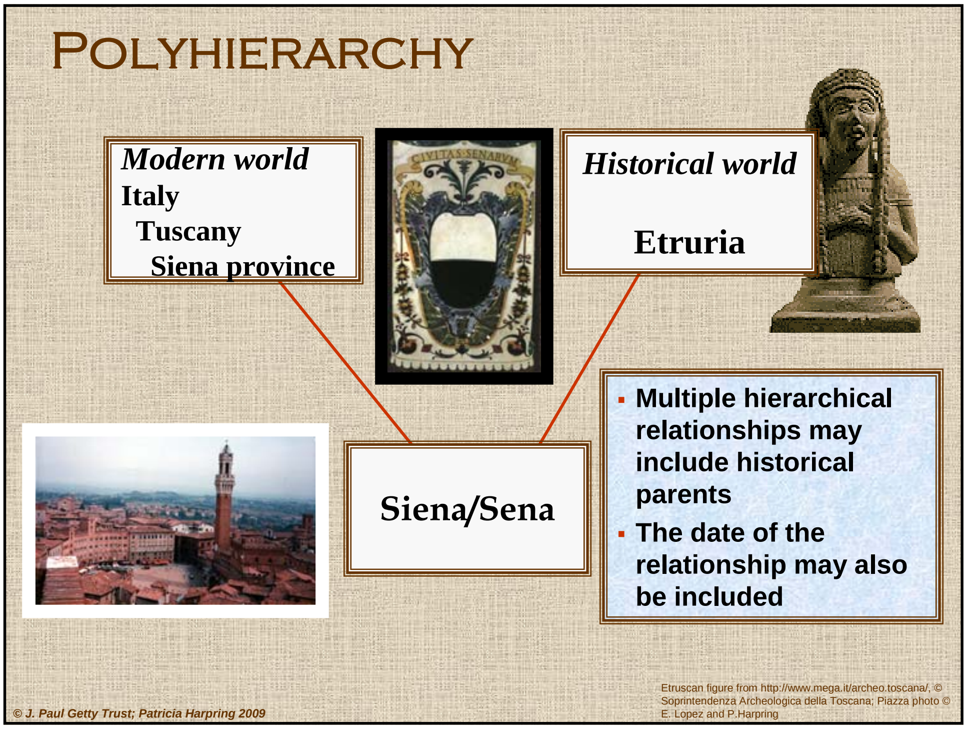
HISTORICAL AND FORMER PLACES

Hierarchical Position:
Africa..............................(continent)
    Mīsr...........................(nation)
        Urban......................(region)
            Al-Iskandarīyah..(governorate)
                Al-Iskandarīyah..(inhabited place)
                    Al-Hadrah..........(neighborhood)
                    Antirrhodos.......(former island)
                    Pharos.............(island)

- Some places may no longer exist , e.g., submerged island of Alexandria, Egypt

Abu Qir
Idku
El-iskandariya (alexandria)
Kafr Salim
Kafr El-dauwar
Abu-Humr
Zawiyat Sidi Ghazi
El-`amiriya
© 1998 InferNet and GisDATA
PHAROS
TIMONIUM
POSEIDIUM
ANTIRRHODOS
EMPORIUM
GÉRARD SCHNEPP, COURTESY IEASM

photo from http://pharos.bu.edu/Egypt/Alexandria/index2.html; modern map from http://www.whereonearth.com; ; old harbor map from Archaeology Magazine, http://archaeology.org



POLYHIERARCHY

Modern world
Italy
Tuscany
Siena province

Historical world

Etruria

Siena/Sena

- Multiple hierarchical relationships may include historical parents
- The date of the relationship may also be included

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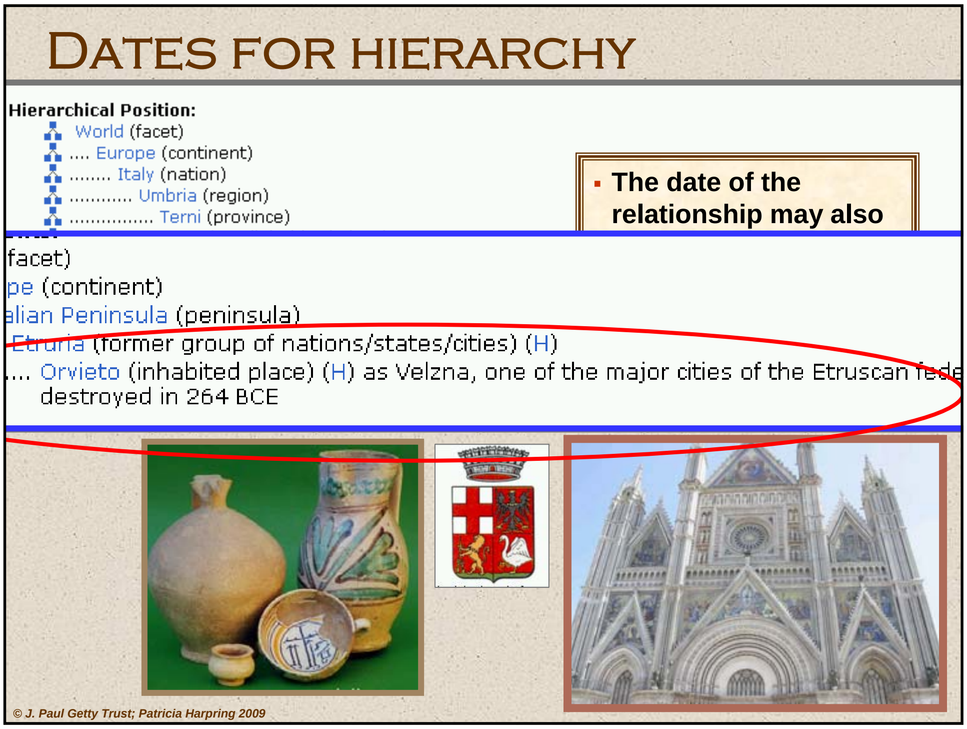
Etruscan figure from http://www.mega.it/archeo.toscana/, © Soprintendenza Archeologica della Toscana; Piazza photo © E. Lopez and P.Harpring



DATES FOR HIERARCHY

Hierarchical Position:
World (facet)
.... Europe (continent)
.... Italy (nation)
.... Umbria (region)
.... Terni (province)

facet)
pe (continent)
alian Peninsula (peninsula)
Etruria (former group of nations/states/cities) (H)
.... Orvieto (inhabited place) (H) as Velzna, one of the major cities of the Etruscan fede
destroyed in 264 BCE

- The date of the relationship may also

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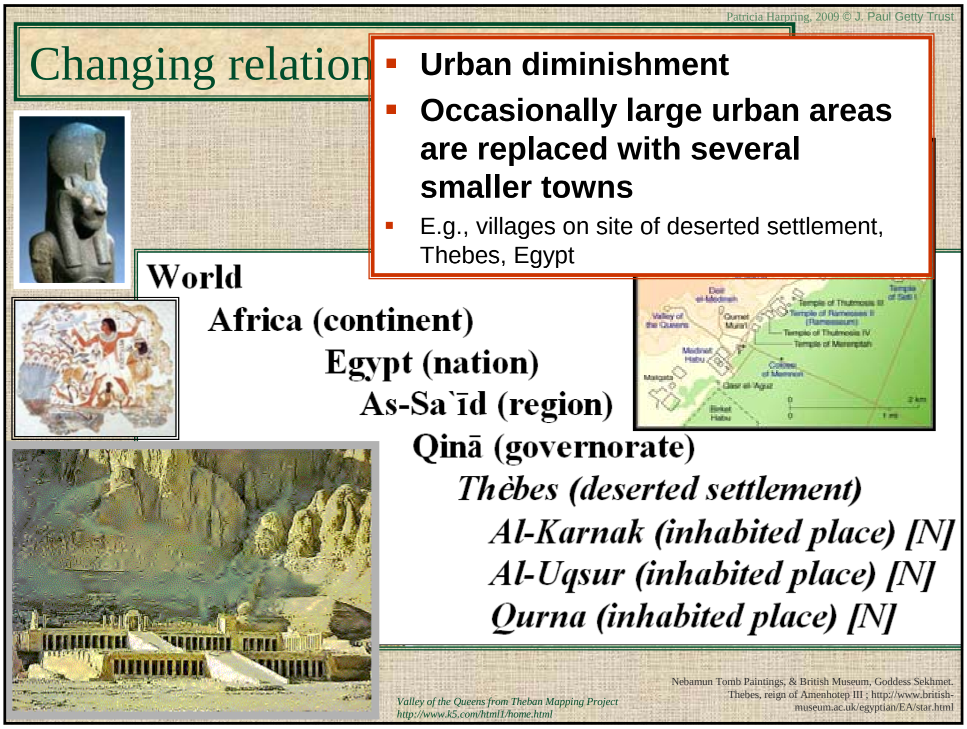


Changing relation

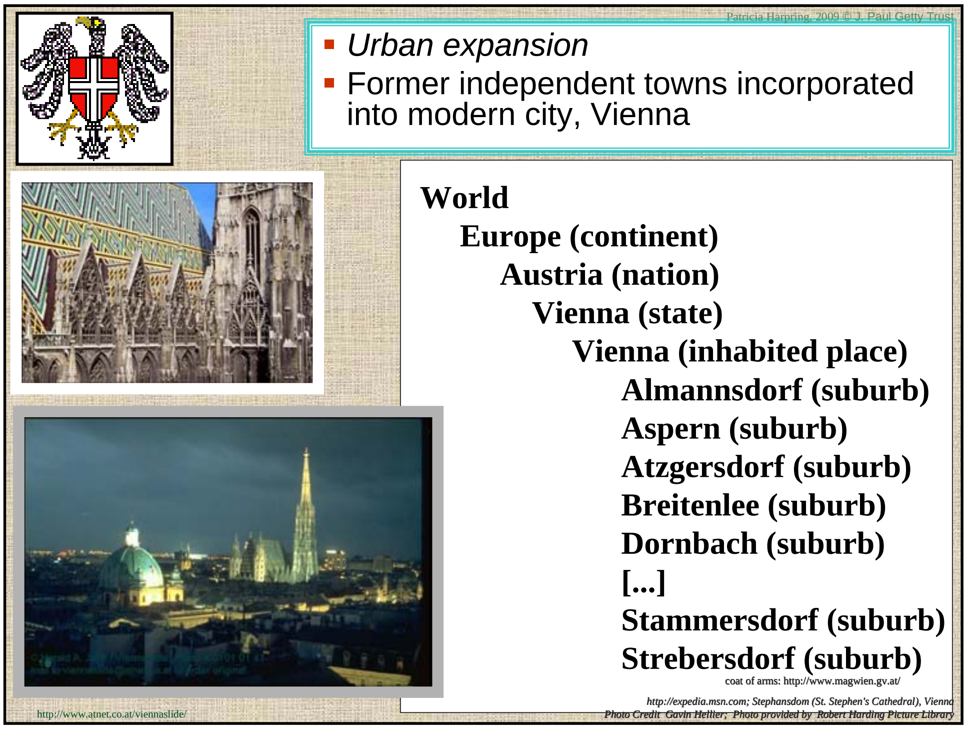
- **Urban diminishment**
- **Occasionally large urban areas are replaced with several smaller towns**
  - E.g., villages on site of deserted settlement, Thebes, Egypt

World
  Africa (continent)
    Egypt (nation)
      As-Sa`īd (region)
        Qinā (governorate)
          Thebes (deserted settlement)
            Al-Karnak (inhabited place) [N]
            Al-Uqsur (inhabited place) [N]
            Qurna (inhabited place) [N]

Deir el-Medinah
Valley of the Queens
Qurnet Murai
Temple of Thutmosis III
Temple of Ramesses II (Ramesseum)
Temple of Thutmosis IV
Temple of Merenptah
Temple of Seti I
Medinet Habu
Colossi of Memnon
Malqata
Qasr el-'Aguz
Birket Habu
0
2 km
0
1 mi

Valley of the Queens from Theban Mapping Project
http://www.k5.com/html1/home.html

Nebamun Tomb Paintings, & British Museum, Goddess Sekhmet. Thebes, reign of Amenhotep III ; http://www.british-museum.ac.uk/egyptian/EA/star.html



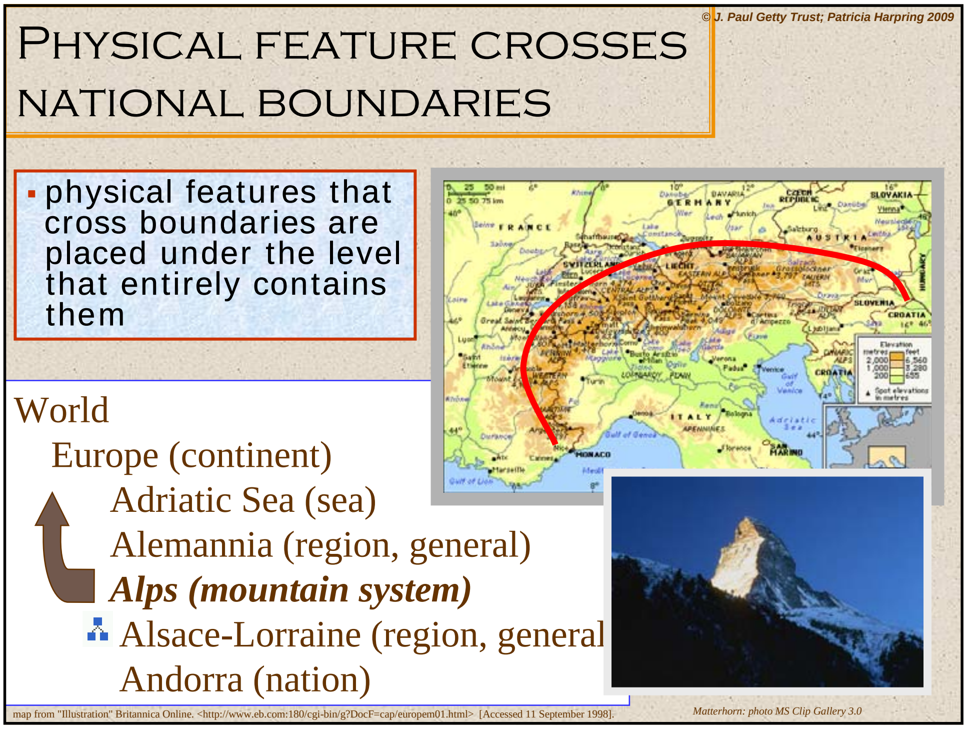
- *Urban expansion*
- Former independent towns incorporated into modern city, Vienna

World
  Europe (continent)
    Austria (nation)
      Vienna (state)
        Vienna (inhabited place)
          Almannsdorf (suburb)
          Aspern (suburb)
          Atzgersdorf (suburb)
          Breitenlee (suburb)
          Dornbach (suburb)
          [...]
          Stammersdorf (suburb)
          Strebersdorf (suburb)

coat of arms: http://www.magwien.gv.at/

http://expedia.msn.com; Stephansdom (St. Stephen's Cathedral), Vienna
Photo Credit Gavin Hellier; Photo provided by Robert Harding Picture Library

http://www.atnet.co.at/viennaslide/



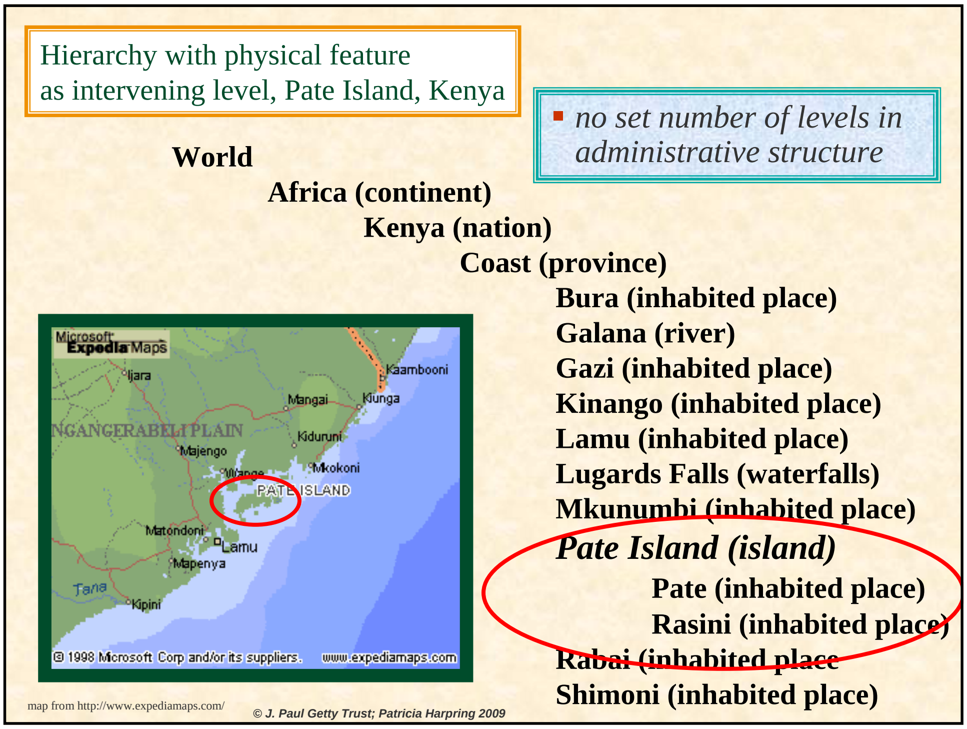
PHYSICAL FEATURE CROSSES NATIONAL BOUNDARIES

- physical features that cross boundaries are placed under the level that entirely contains them

- World
  - Europe (continent)
    - Adriatic Sea (sea)
    - Alemannia (region, general)
    - ***Alps (mountain system)***
    - Alsace-Lorraine (region, general
    - Andorra (nation)

map from "Illustration" Britannica Online. <http://www.eb.com:180/cgi-bin/g?DocF=cap/europem01.html> [Accessed 11 September 1998].

Matterhorn: photo MS Clip Gallery 3.0



Hierarchy with physical feature as intervening level, Pate Island, Kenya

- *no set number of levels in administrative structure*

- **World**
  - **Africa (continent)**
    - **Kenya (nation)**
      - **Coast (province)**
        - **Bura (inhabited place)**
        - **Galana (river)**
        - **Gazi (inhabited place)**
        - **Kinango (inhabited place)**
        - **Lamu (inhabited place)**
        - **Lugards Falls (waterfalls)**
        - **Mkunumbi (inhabited place)**
        - ***Pate Island (island)***
          - **Pate (inhabited place)**
          - **Rasini (inhabited place)**
        - **Rabai (inhabited place**
        - **Shimoni (inhabited place)**

Microsoft Expedia Maps
Ijara
Kaambooni
Mangai
Kiunga
NGANGERABELI PLAIN
Kiduruni
Majengo
Mkokoni
Witange
PATE ISLAND
Matondoni
Lamu
Mapenya
Tana
Kipini
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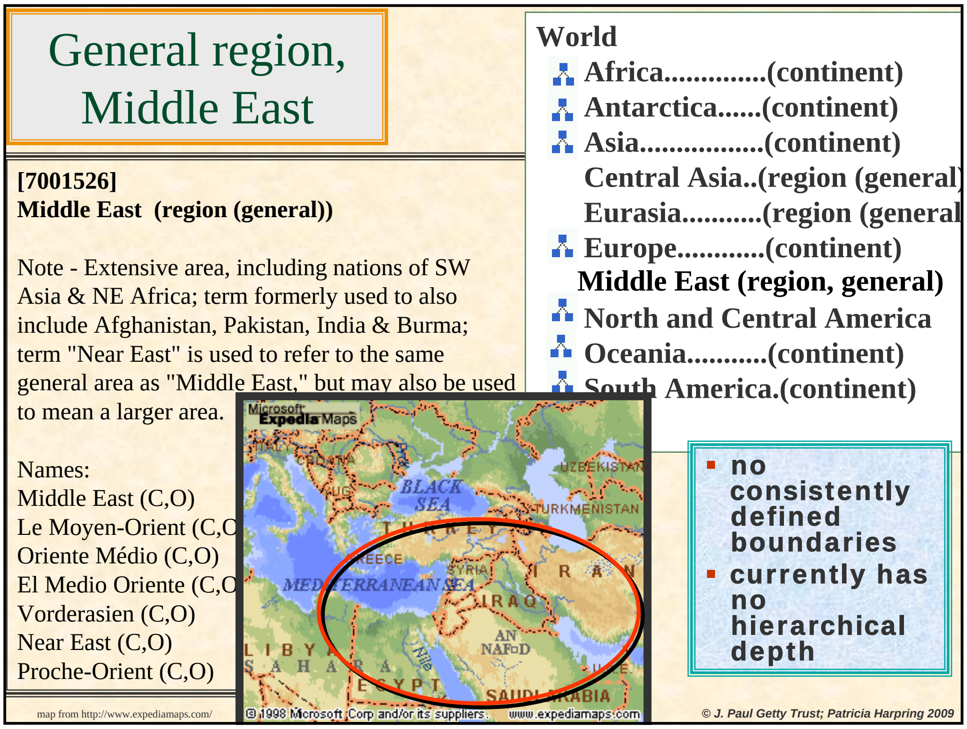
www.expediamaps.com

map from http://www.expediamaps.com/


Microsoft Expedia Maps
CROATIA
BLACK SEA
UZBEKISTAN
TURKMENISTAN
TURKEY
GREECE
SYRIA
IRAN
MEDITERRANEAN SEA
IRAQ
AN NAFUD
LIBYA
SAHARA
Nile
EGYPT
U.A.E.
SAUDI ARABIA
© 1998 Microsoft Corp and/or its suppliers. www.expediamaps.com

General region, Middle East

[7001526]
Middle East (region (general))

Note - Extensive area, including nations of SW Asia & NE Africa; term formerly used to also include Afghanistan, Pakistan, India & Burma; term "Near East" is used to refer to the same general area as "Middle East," but may also be used to mean a larger area.

Names:
Middle East (C,O)
Le Moyen-Orient (C,O
Oriente Médio (C,O)
El Medio Oriente (C,O
Vorderasien (C,O)
Near East (C,O)
Proche-Orient (C,O)

map from http://www.expediamaps.com/

World
- Africa..............(continent)
- Antarctica......(continent)
- Asia.................(continent)
  - Central Asia..(region (general)
  - Eurasia...........(region (general
- Europe............(continent)
  - **Middle East (region, general)**
- North and Central America
- Oceania...........(continent)
- South America.(continent)

- no consistently defined boundaries
- currently has no hierarchical depth

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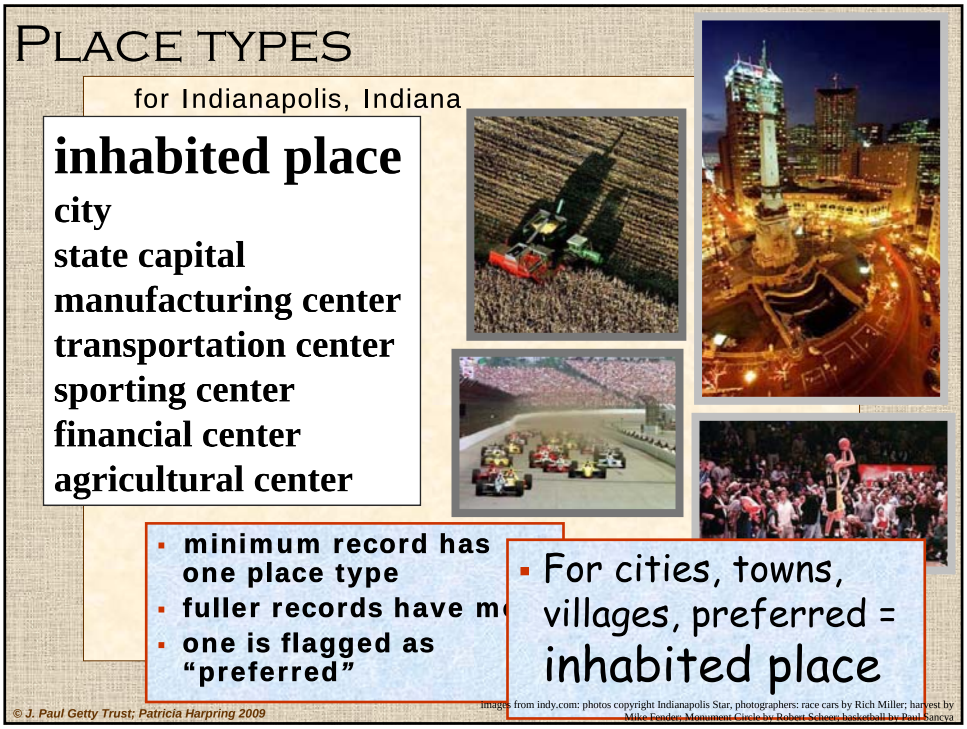

PLACE TYPES

for Indianapolis, Indiana

inhabited place
city
state capital
manufacturing center
transportation center
sporting center
financial center
agricultural center

- minimum record has one place type
- fuller records have m
- one is flagged as "preferred"

- For cities, towns, villages, preferred = inhabited place

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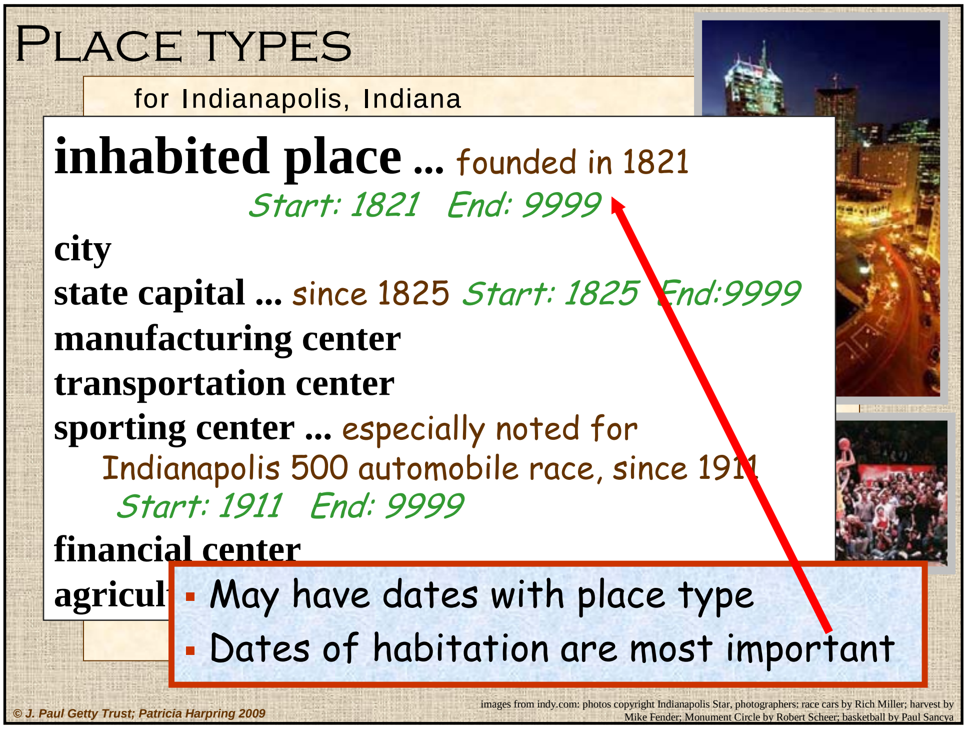
images from indy.com: photos copyright Indianapolis Star, photographers: race cars by Rich Miller; harvest by Mike Fender; Monument Circle by Robert Scheer; basketball by Paul Sancya



PLACE TYPES

for Indianapolis, Indiana

inhabited place ... founded in 1821
Start: 1821 End: 9999

city

state capital ... since 1825 *Start: 1825 End:9999*

manufacturing center

transportation center

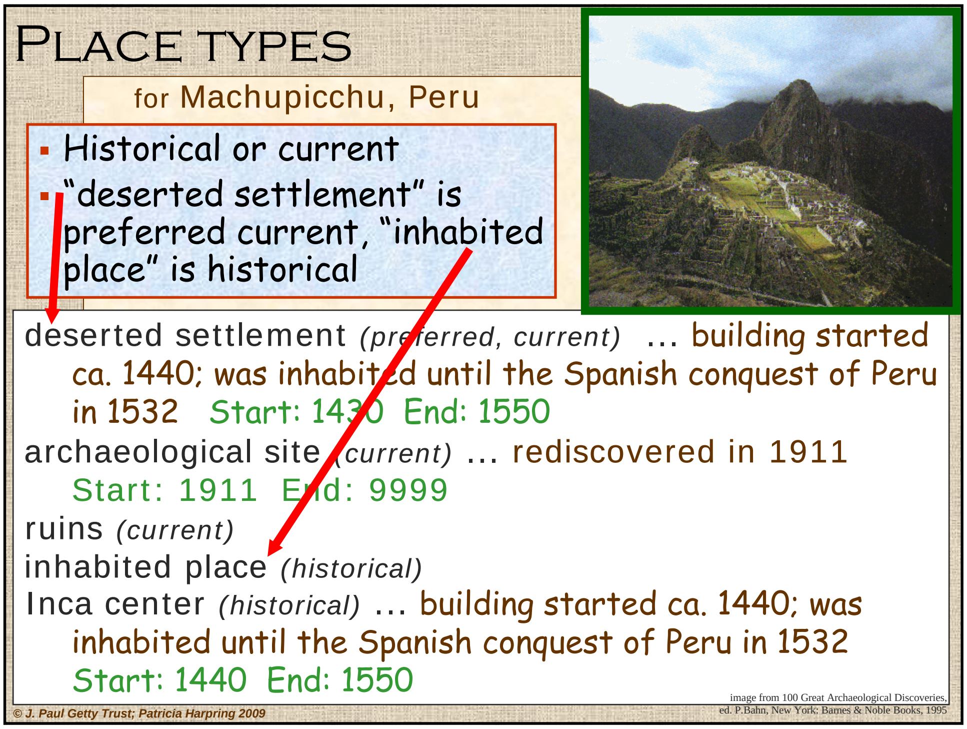
sporting center ... especially noted for Indianapolis 500 automobile race, since 1911
Start: 1911 End: 9999

financial center

agricul

- May have dates with place type
- Dates of habitation are most important

images from indy.com: photos copyright Indianapolis Star, photographers: race cars by Rich Miller; harvest by Mike Fender; Monument Circle by Robert Scheer; basketball by Paul Sancya



PLACE TYPES

for Machupicchu, Peru

- Historical or current
- "deserted settlement" is preferred current, "inhabited place" is historical

deserted settlement *(preferred, current)* ... building started ca. 1440; was inhabited until the Spanish conquest of Peru in 1532 Start: 1430 End: 1550

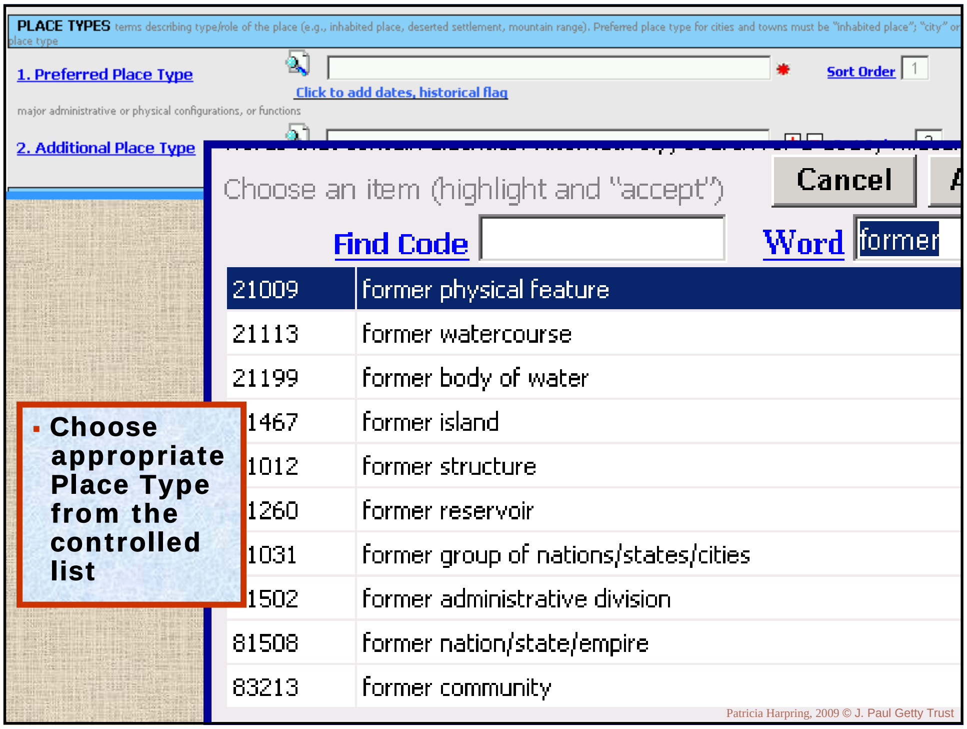
archaeological site *(current)* ... rediscovered in 1911
Start: 1911 End: 9999

ruins *(current)*

inhabited place *(historical)*

Inca center *(historical)* ... building started ca. 1440; was inhabited until the Spanish conquest of Peru in 1532
Start: 1440 End: 1550

image from 100 Great Archaeological Discoveries, ed. P.Bahn, New York: Barnes & Noble Books, 1995



PLACE TYPES terms describing type/role of the place (e.g., inhabited place, deserted settlement, mountain range). Preferred place type for cities and towns must be "inhabited place"; "city" or place type

1. Preferred Place Type

Sort Order 1

Click to add dates, historical flag

major administrative or physical configurations, or functions

2. Additional Place Type

Choose an item (highlight and "accept")

Find Code

Word: former

21009	former physical feature
21113	former watercourse
21199	former body of water
1467	former island
1012	former structure
1260	former reservoir
1031	former group of nations/states/cities
1502	former administrative division
81508	former nation/state/empire
83213	former community

- **Choose appropriate Place Type from the controlled list**

Patricia Harpring, 2009 © J. Paul Getty Trust

ASSOCIATIVE RELATIONSHIP IN TGN

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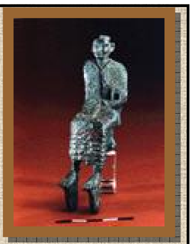
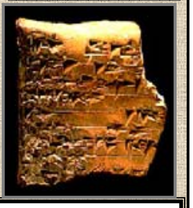
Hazor — **Tel Hazor**



- There may be associative relationships between places
  - deserted settlement may be related to modern town
  - date for relationship



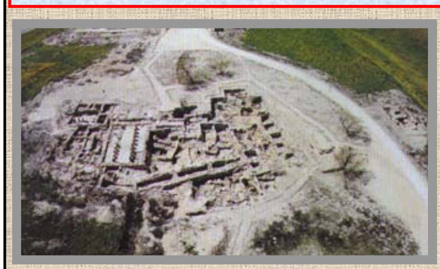
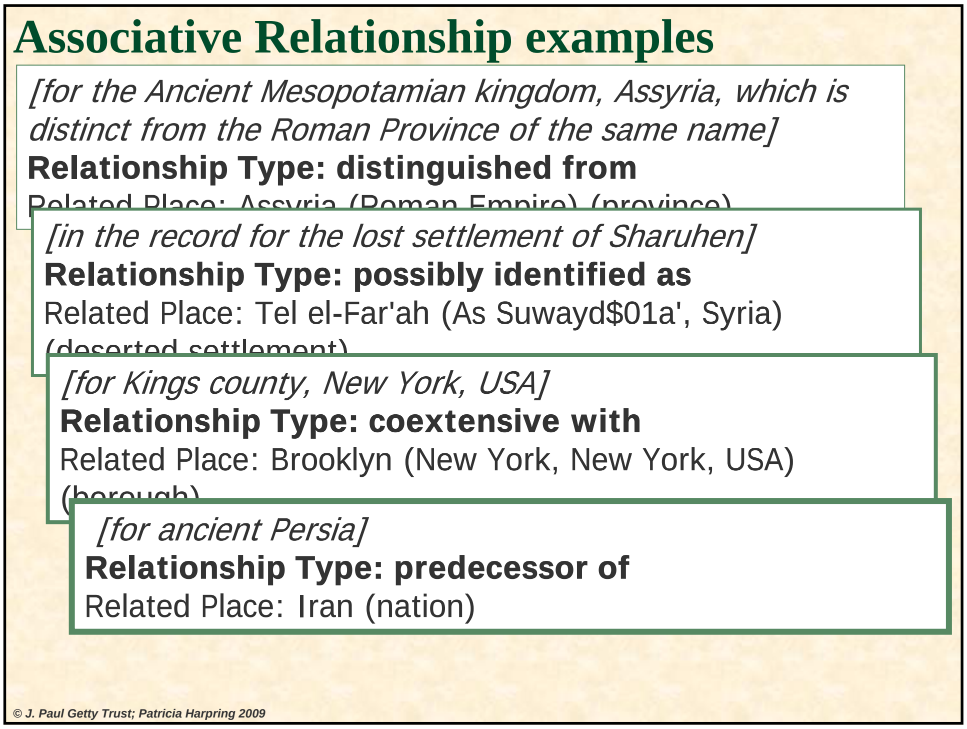


image ©A. Rabinovich & N Asher Silberman, "The Burning of Hazor," ; http://unixware.mscc.huji.ac.il/. A letter sent to Ibni (-addu?) king of Hazor (18th century BCE) and two Cuneiform tablets. Found in the vicinity of the Canaanite Palace. © *Archaeology*, 51/3, 1998, 50; figure © Hazor Excavations: http://unixware.mscc.huji.ac.il/

for a deserted settlement in Israel
DESCRIPTIVE NOTE:
Located over Huleh Valley, near the modern town Hazor; for centuries it was one of most important cities of Canaan, in control of rich agricultural area and vital trade and military route; according to the Bible, site of victory of Joshua and other battles of Israelites.



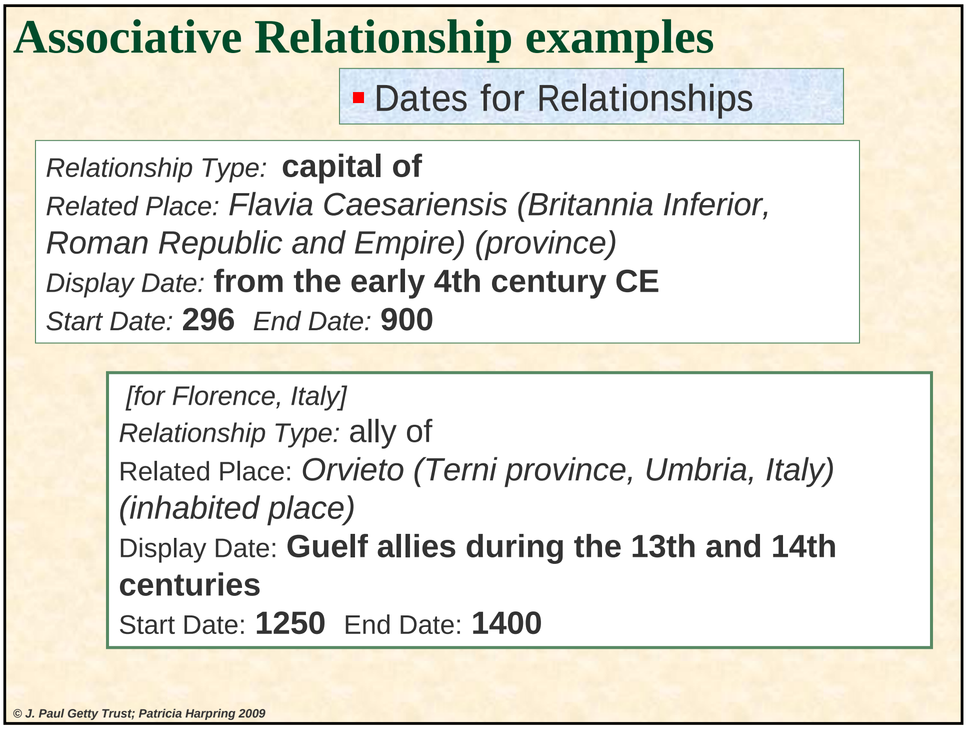
Associative Relationship examples

[for the Ancient Mesopotamian kingdom, Assyria, which is distinct from the Roman Province of the same name]
Relationship Type: distinguished from
Related Place: Assyria (Roman Empire) (province)

[in the record for the lost settlement of Sharuhen]
Relationship Type: possibly identified as
Related Place: Tel el-Far'ah (As Suwayd$01a', Syria) (deserted settlement)

[for Kings county, New York, USA]
Relationship Type: coextensive with
Related Place: Brooklyn (New York, New York, USA) (borough)

[for ancient Persia]
Relationship Type: predecessor of
Related Place: Iran (nation)



Associative Relationship examples

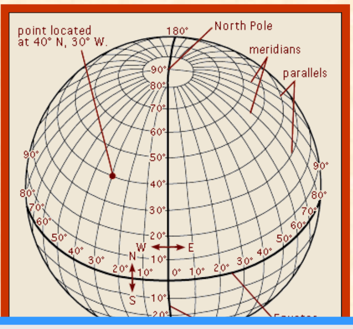
- Dates for Relationships

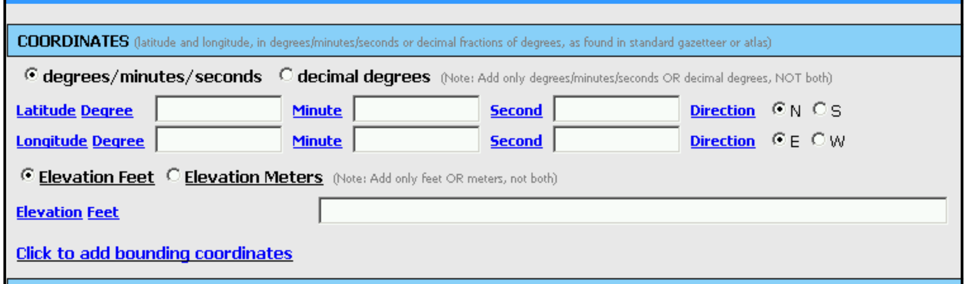
Relationship Type: **capital of**
Related Place: *Flavia Caesariensis (Britannia Inferior, Roman Republic and Empire) (province)*
Display Date: **from the early 4th century CE**
Start Date: **296** *End Date:* **900**

[for Florence, Italy]
Relationship Type: ally of
Related Place: *Orvieto (Terni province, Umbria, Italy) (inhabited place)*
Display Date: **Guelf allies during the 13th and 14th centuries**
Start Date: **1250** End Date: **1400**

COORDINATES

- Expressed in degrees, minutes, and seconds
- Translated into decimal degrees
- Represent a point at the center of a place, or the source of linear features (e.g., rivers)
- Elevation
- Bounding coordinates


point located at 40° N, 30° W.
180°
North Pole
meridians
parallels
90°
80°
70°
60°
50°
40°
30°
20°
10°
0°
W
E
N
S
Equator


COORDINATES (latitude and longitude, in degrees/minutes/seconds or decimal fractions of degrees, as found in standard gazetteer or atlas)

● degrees/minutes/seconds ○ decimal degrees (Note: Add only degrees/minutes/seconds OR decimal degrees, NOT both)

Latitude Degree		Minute		Second		Direction	● N ○ S
Longitude Degree		Minute		Second		Direction	● E ○ W

● Elevation Feet ○ Elevation Meters (Note: Add only feet OR meters, not both)

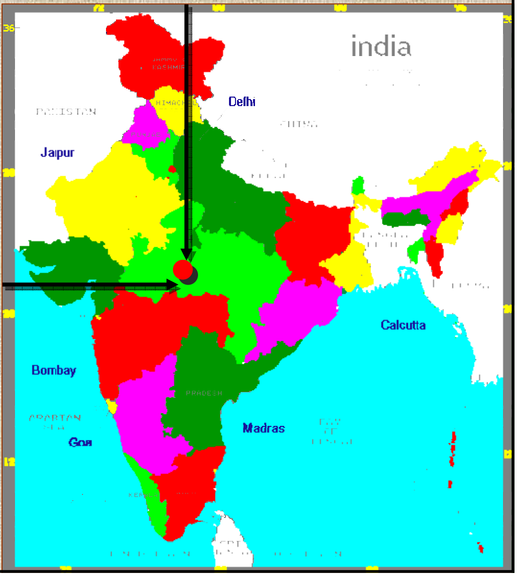
Elevation Feet

Click to add bounding coordinates

Image from "latitude (geog.)" Britannica Online. <http://www.eb.com:180/cgi-in/g?DocF=index/la/tit/0.html> [Accessed 24 April 1998].

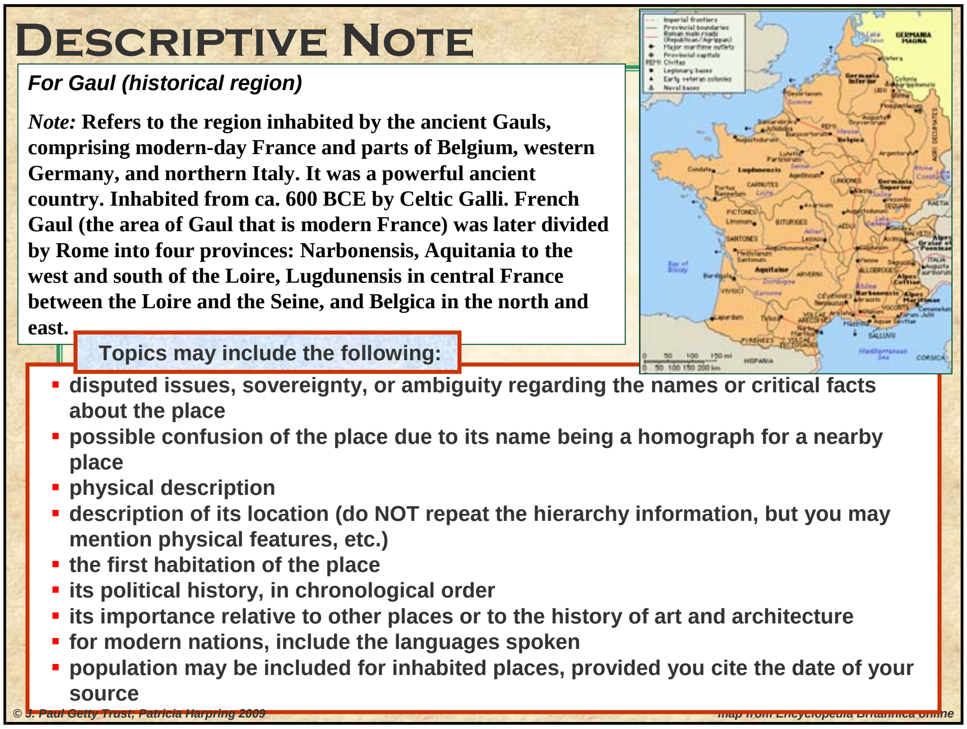
- Recording a single point
  - Usually adequate for smaller places
  - Point = source of linear features
  - Marginally helpful for center of areas (may record point AND bounding box)

map from http://www.uni-karlsruhe.de/~uk4u/indiamap.html


india
Delhi
Jaipur
Calcutta
Bombay
Madras
Goa

Coordinates for nation of India

Latitude: **20 00 N,**
Longitude: **077 00 E**



DESCRIPTIVE NOTE

For Gaul (historical region)

Note: **Refers to the region inhabited by the ancient Gauls, comprising modern-day France and parts of Belgium, western Germany, and northern Italy. It was a powerful ancient country. Inhabited from ca. 600 BCE by Celtic Galli. French Gaul (the area of Gaul that is modern France) was later divided by Rome into four provinces: Narbonensis, Aquitania to the west and south of the Loire, Lugdunensis in central France between the Loire and the Seine, and Belgica in the north and east.**

Topics may include the following:

- **disputed issues, sovereignty, or ambiguity regarding the names or critical facts about the place**
- **possible confusion of the place due to its name being a homograph for a nearby place**
- **physical description**
- **description of its location (do NOT repeat the hierarchy information, but you may mention physical features, etc.)**
- **the first habitation of the place**
- **its political history, in chronological order**
- **its importance relative to other places or to the history of art and architecture**
- **for modern nations, include the languages spoken**
- **population may be included for inhabited places, provided you cite the date of your source**

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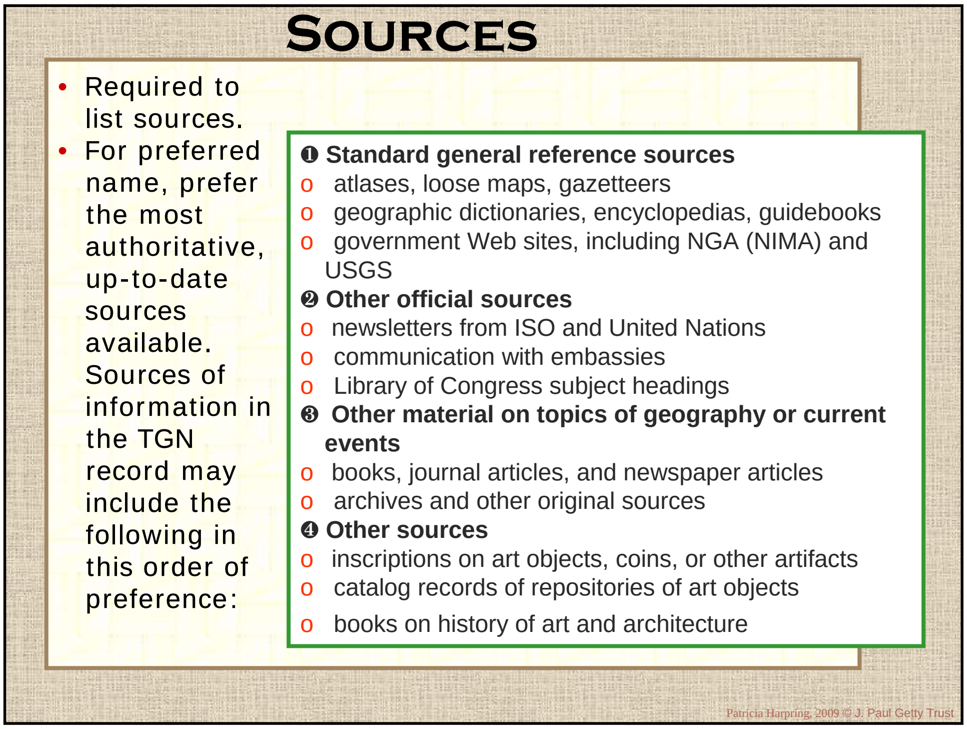
map from Encyclopedia Britannica online



SOURCES

- Required to list sources.
- For preferred name, prefer the most authoritative, up-to-date sources available. Sources of information in the TGN record may include the following in this order of preference:

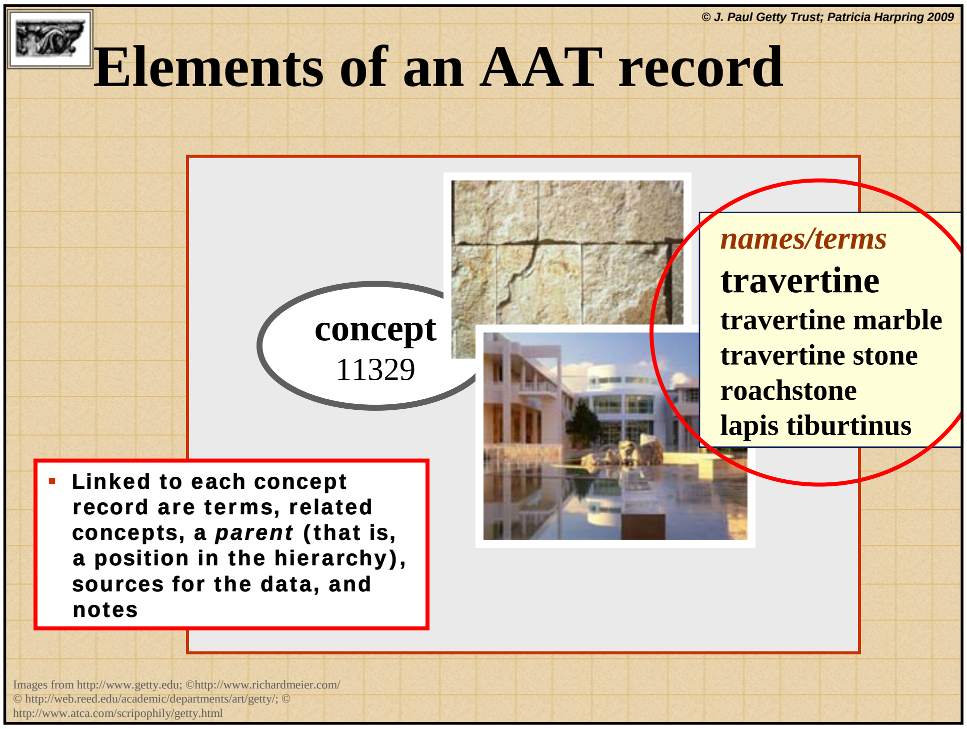
❶ Standard general reference sources
- atlases, loose maps, gazetteers
- geographic dictionaries, encyclopedias, guidebooks
- government Web sites, including NGA (NIMA) and USGS

❷ Other official sources
- newsletters from ISO and United Nations
- communication with embassies
- Library of Congress subject headings

❸ Other material on topics of geography or current events
- books, journal articles, and newspaper articles
- archives and other original sources

❹ Other sources
- inscriptions on art objects, coins, or other artifacts
- catalog records of repositories of art objects
- books on history of art and architecture

Patricia Harpring, 2009 © J. Paul Getty Trust



Elements of an AAT record

concept
11329

names/terms
travertine
travertine marble
travertine stone
roachstone
lapis tiburtinus

- **Linked to each concept record are terms, related concepts, a *parent* (that is, a position in the hierarchy), sources for the data, and notes**

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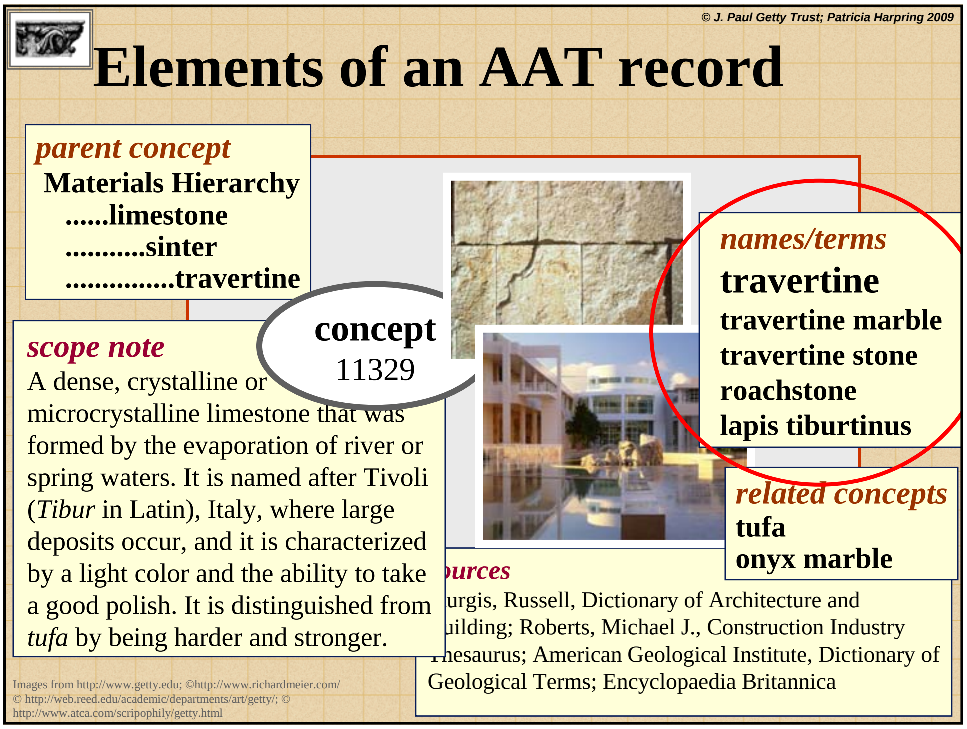
© http://web.reed.edu/academic/departments/art/getty/; © http://www.atca.com/scripophily/getty.html



Elements of an AAT record

parent concept
Materials Hierarchy
......limestone
...........sinter
...............travertine

concept
11329

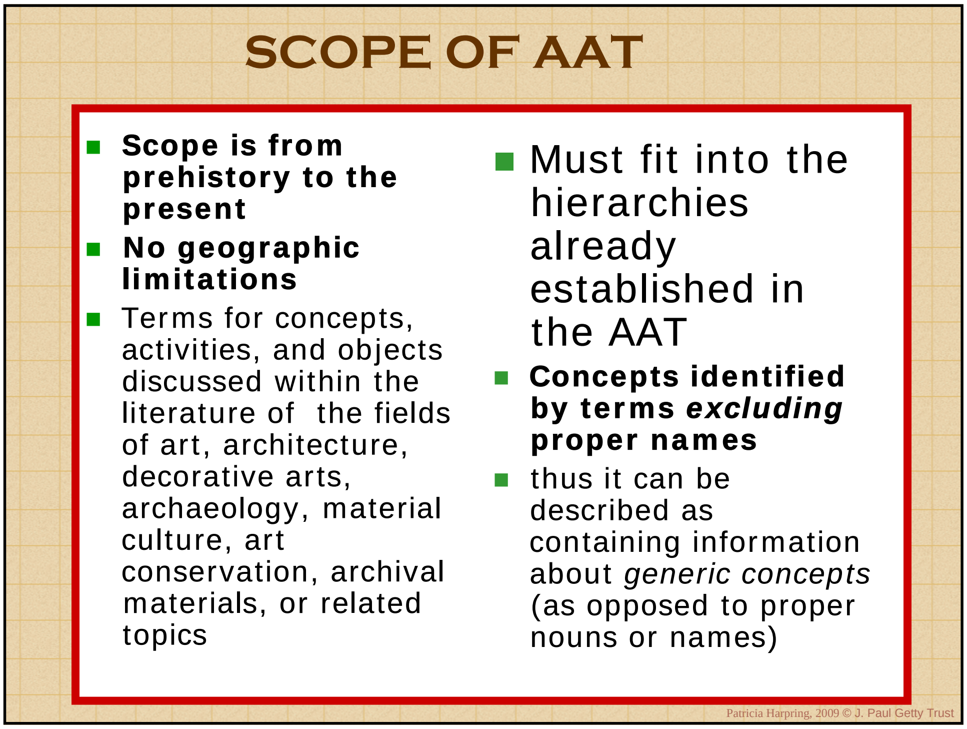
names/terms
travertine
travertine marble
travertine stone
roachstone
lapis tiburtinus

scope note
A dense, crystalline or microcrystalline limestone that was formed by the evaporation of river or spring waters. It is named after Tivoli (*Tibur* in Latin), Italy, where large deposits occur, and it is characterized by a light color and the ability to take a good polish. It is distinguished from *tufa* by being harder and stronger.

related concepts
tufa
onyx marble

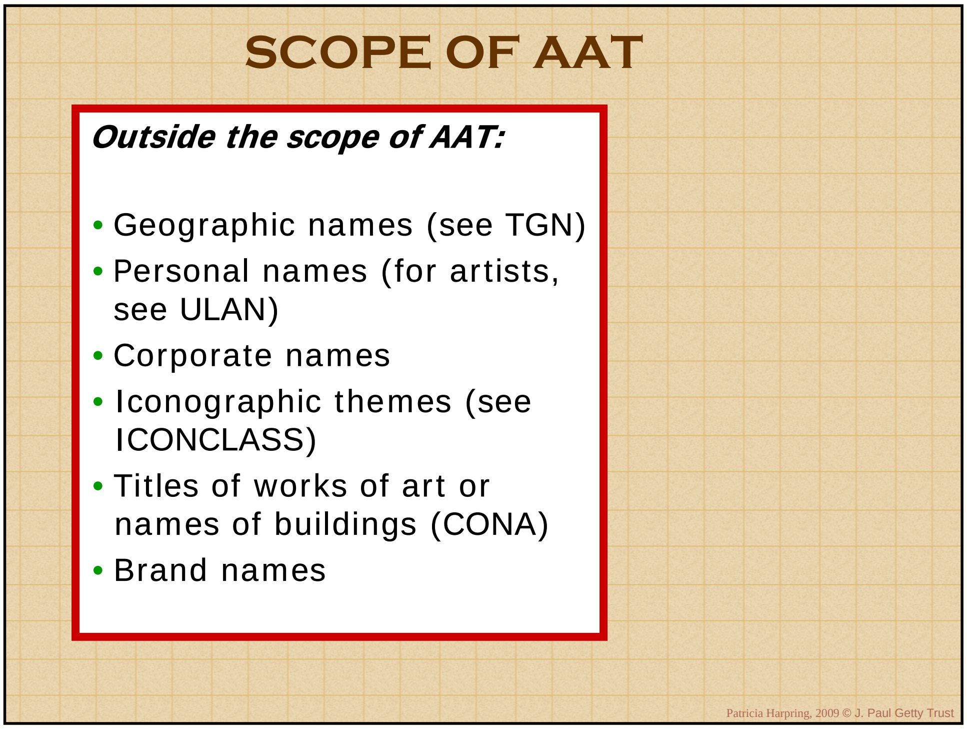
ources
urgis, Russell, Dictionary of Architecture and uilding; Roberts, Michael J., Construction Industry hesaurus; American Geological Institute, Dictionary of Geological Terms; Encyclopaedia Britannica

Images from http://www.getty.edu; ©http://www.richardmeier.com/
© http://web.reed.edu/academic/departments/art/getty/; © http://www.atca.com/scripophily/getty.html



SCOPE OF AAT

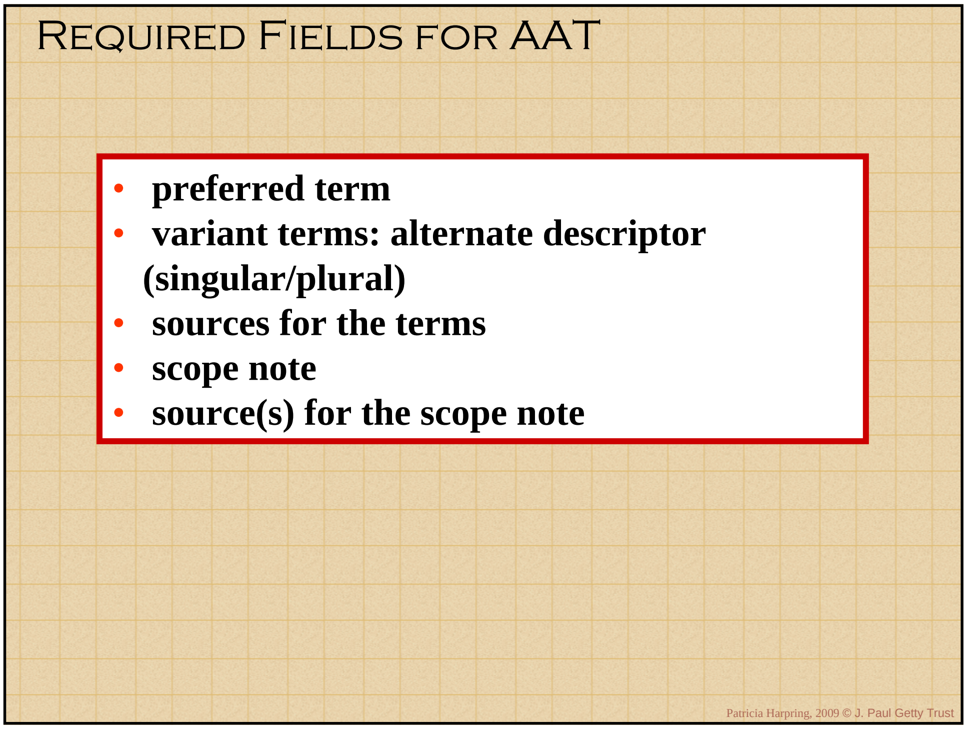
- **Scope is from prehistory to the present**
- **No geographic limitations**
- Terms for concepts, activities, and objects discussed within the literature of the fields of art, architecture, decorative arts, archaeology, material culture, art conservation, archival materials, or related topics
- Must fit into the hierarchies already established in the AAT
- **Concepts identified by terms *excluding* proper names**
- thus it can be described as containing information about *generic concepts* (as opposed to proper nouns or names)



SCOPE OF AAT

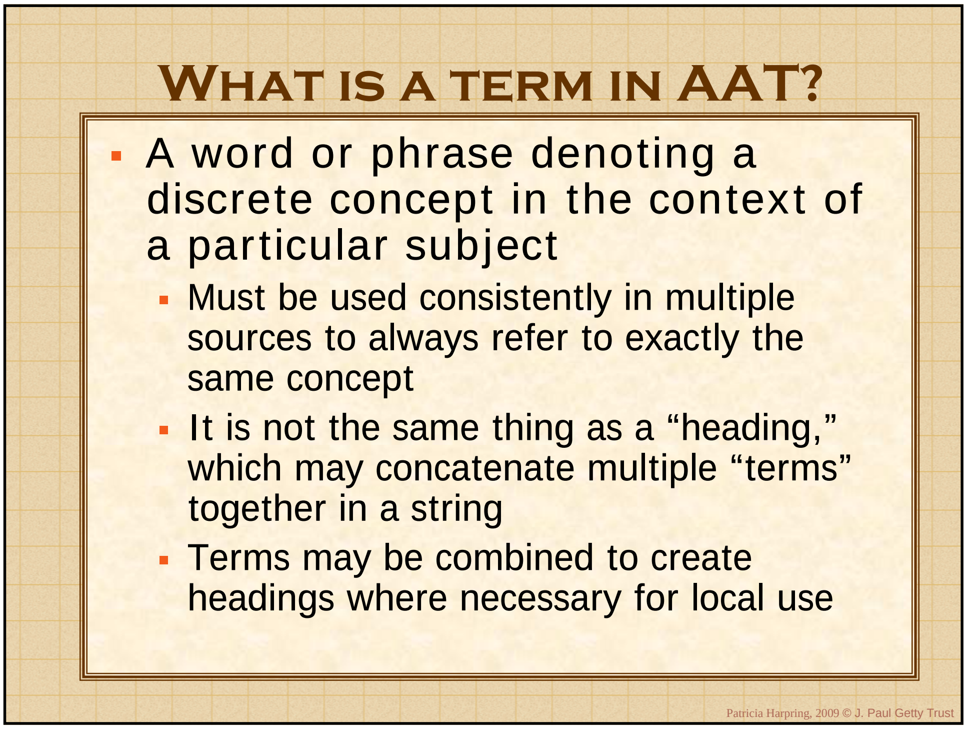
Outside the scope of AAT:

- Geographic names (see TGN)
- Personal names (for artists, see ULAN)
- Corporate names
- Iconographic themes (see ICONCLASS)
- Titles of works of art or names of buildings (CONA)
- Brand names



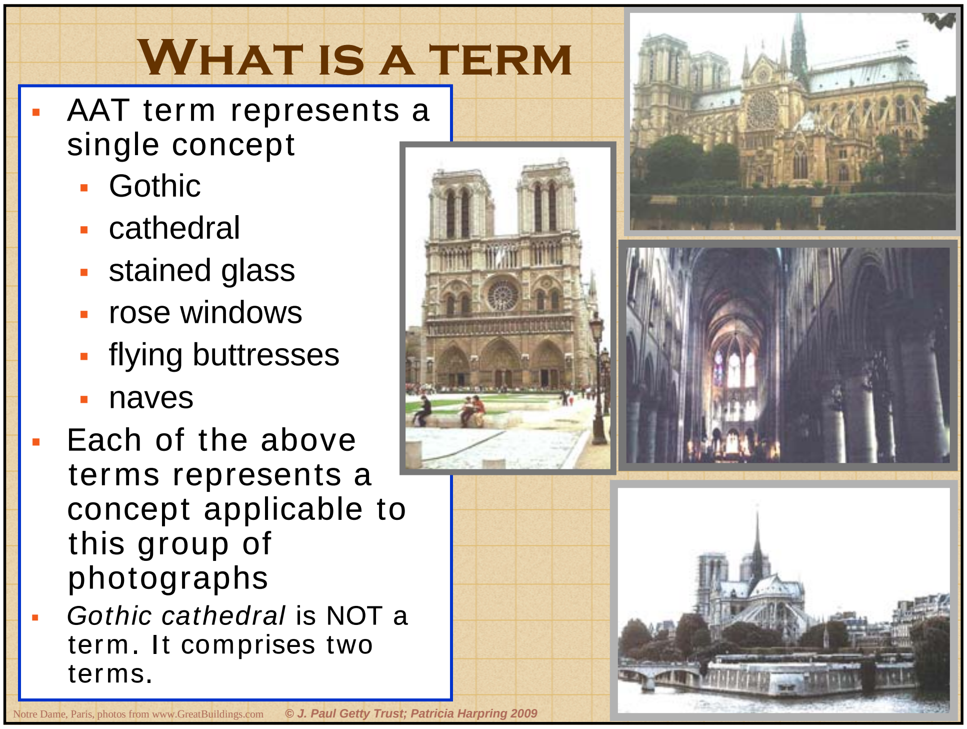
REQUIRED FIELDS FOR AAT

- **preferred term**
- **variant terms: alternate descriptor (singular/plural)**
- **sources for the terms**
- **scope note**
- **source(s) for the scope note**



WHAT IS A TERM IN AAT?

- A word or phrase denoting a discrete concept in the context of a particular subject
  - Must be used consistently in multiple sources to always refer to exactly the same concept
  - It is not the same thing as a “heading,” which may concatenate multiple “terms” together in a string
  - Terms may be combined to create headings where necessary for local use



WHAT IS A TERM

- AAT term represents a single concept
  - Gothic
  - cathedral
  - stained glass
  - rose windows
  - flying buttresses
  - naves
- Each of the above terms represents a concept applicable to this group of photographs
- *Gothic cathedral* is NOT a term. It comprises two terms.

Notre Dame, Paris, photos from www.GreatBuildings.com

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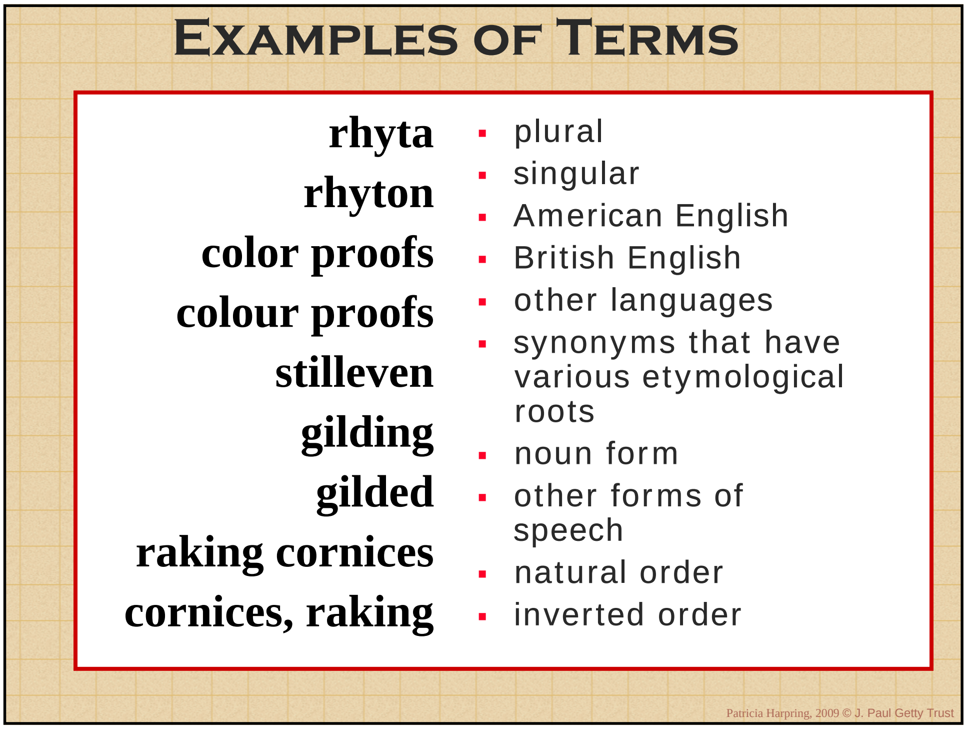
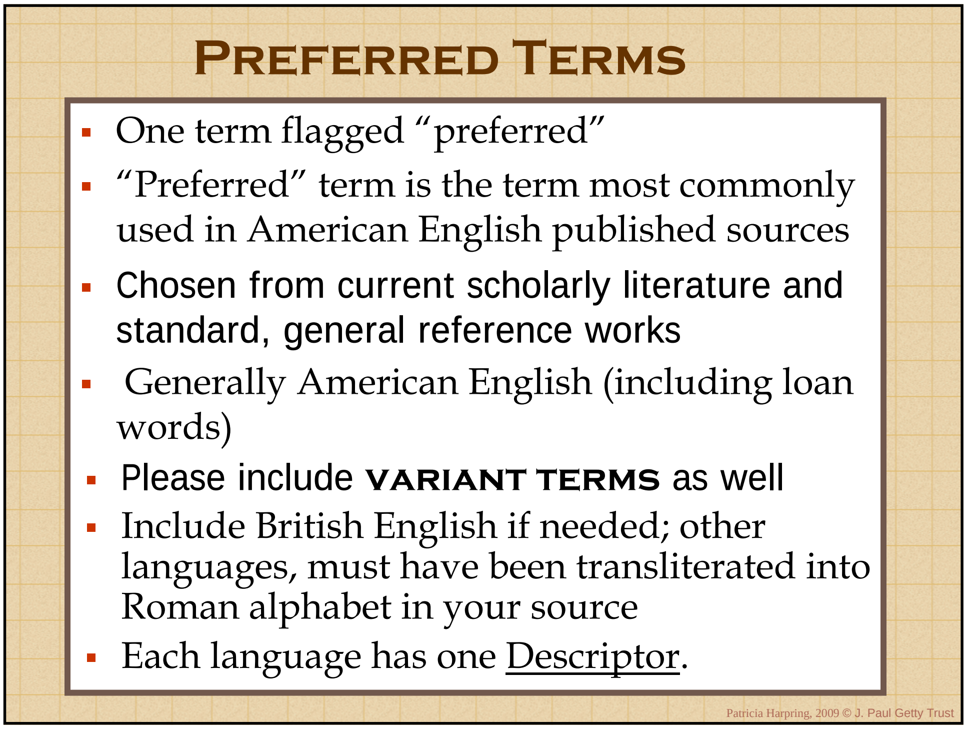


EXAMPLES OF TERMS

rhyta
rhyton
color proofs
colour proofs
stilleven
gilding
gilded
raking cornices
cornices, raking

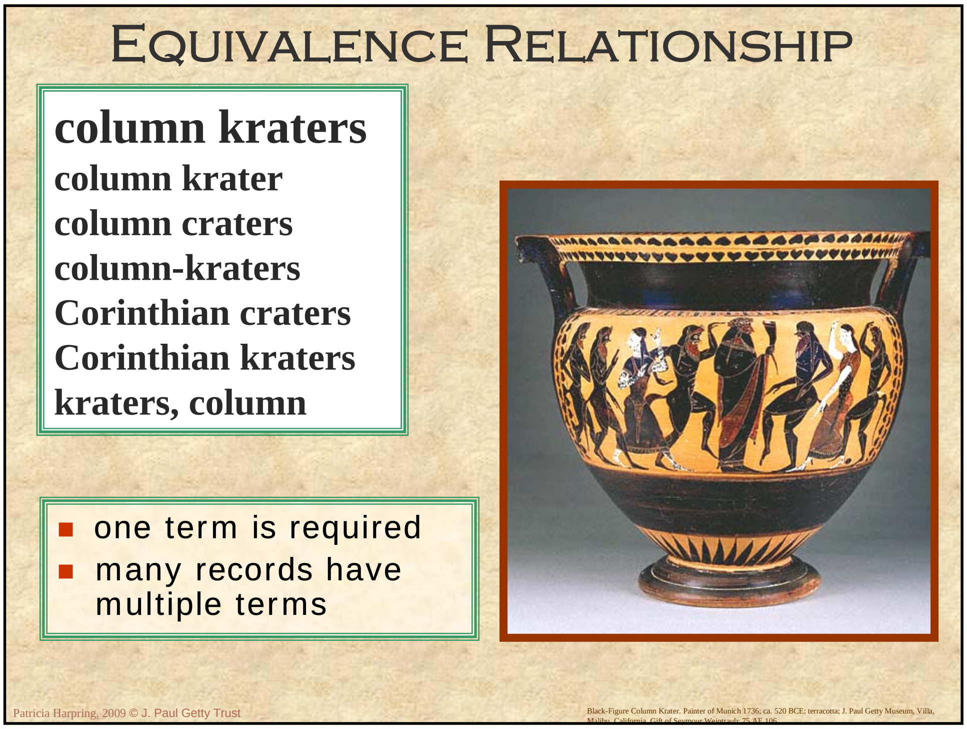
- plural
- singular
- American English
- British English
- other languages
- synonyms that have various etymological roots
- noun form
- other forms of speech
- natural order
- inverted order

Patricia Harpring, 2009 © J. Paul Getty Trust



PREFERRED TERMS

- One term flagged “preferred”
- “Preferred” term is the term most commonly used in American English published sources
- Chosen from current scholarly literature and standard, general reference works
- Generally American English (including loan words)
- Please include **VARIANT TERMS** as well
- Include British English if needed; other languages, must have been transliterated into Roman alphabet in your source
- Each language has one Descriptor.

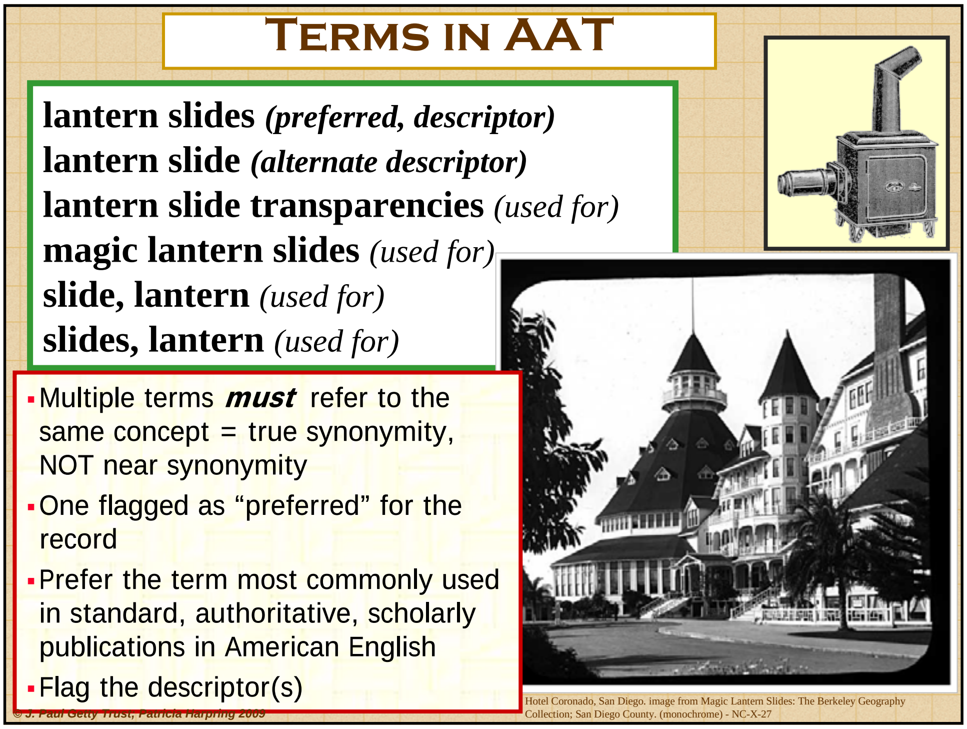


EQUIVALENCE RELATIONSHIP

column kraters
column krater
column craters
column-kraters
Corinthian craters
Corinthian kraters
kraters, column

- one term is required
- many records have multiple terms

Black-Figure Column Krater. Painter of Munich 1736; ca. 520 BCE; terracotta; J. Paul Getty Museum, Villa, Malibu, California. Gift of Seymour Weintraub; 75.AE.106.



TERMS IN AAT

lantern slides ***(preferred, descriptor)***
lantern slide ***(alternate descriptor)***
lantern slide transparencies *(used for)*
magic lantern slides *(used for)*
slide, lantern *(used for)*
slides, lantern *(used for)*

- Multiple terms ***must*** refer to the same concept = true synonymity, NOT near synonymity
- One flagged as "preferred" for the record
- Prefer the term most commonly used in standard, authoritative, scholarly publications in American English
- Flag the descriptor(s)

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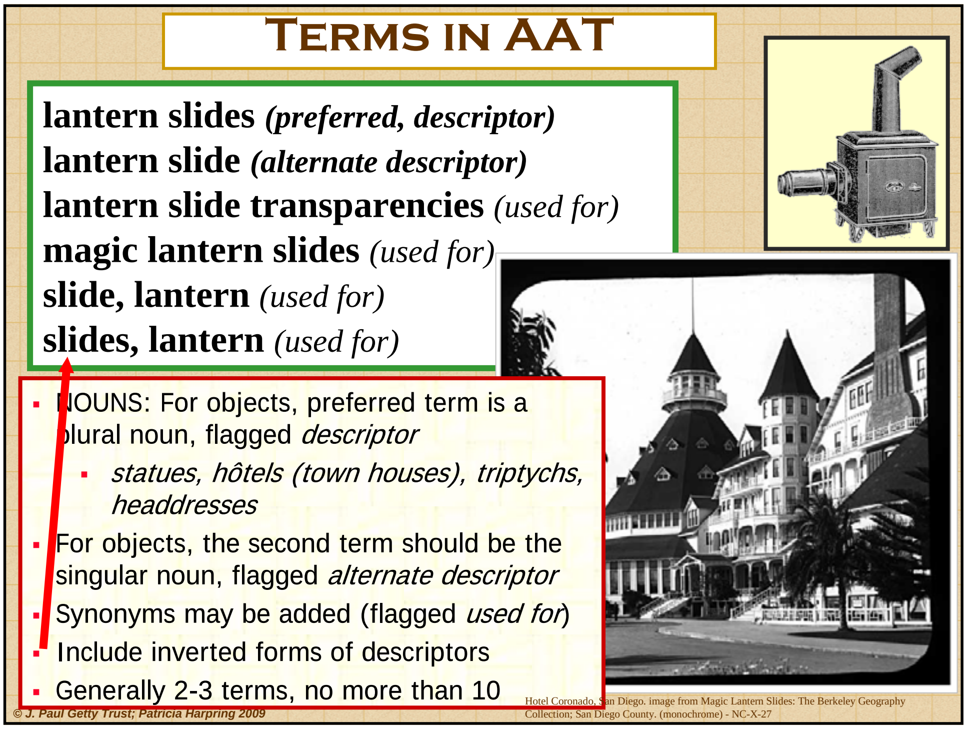
Hotel Coronado, San Diego. image from Magic Lantern Slides: The Berkeley Geography Collection; San Diego County. (monochrome) - NC-X-27



TERMS IN AAT

lantern slides ***(preferred, descriptor)***
lantern slide ***(alternate descriptor)***
lantern slide transparencies *(used for)*
magic lantern slides *(used for)*
slide, lantern *(used for)*
slides, lantern *(used for)*

- NOUNS: For objects, preferred term is a plural noun, flagged *descriptor*
  - *statues, hôtels (town houses), triptychs, headdresses*
- For objects, the second term should be the singular noun, flagged *alternate descriptor*
- Synonyms may be added (flagged *used for*)
- Include inverted forms of descriptors
- Generally 2-3 terms, no more than 10

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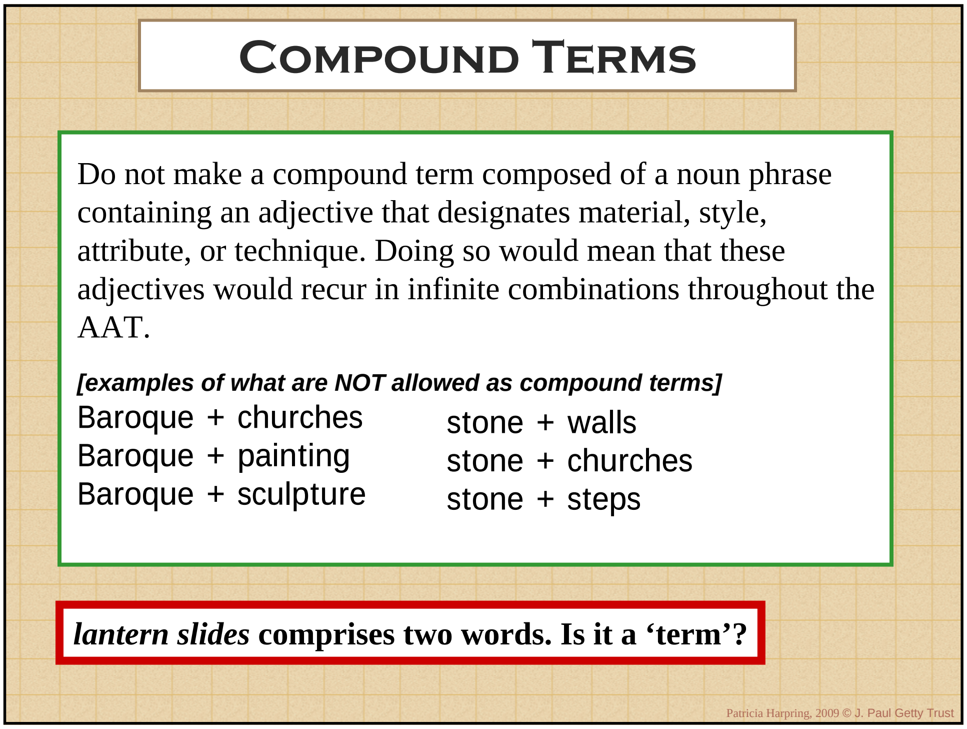
Hotel Coronado, San Diego. image from Magic Lantern Slides: The Berkeley Geography Collection; San Diego County. (monochrome) - NC-X-27



COMPOUND TERMS

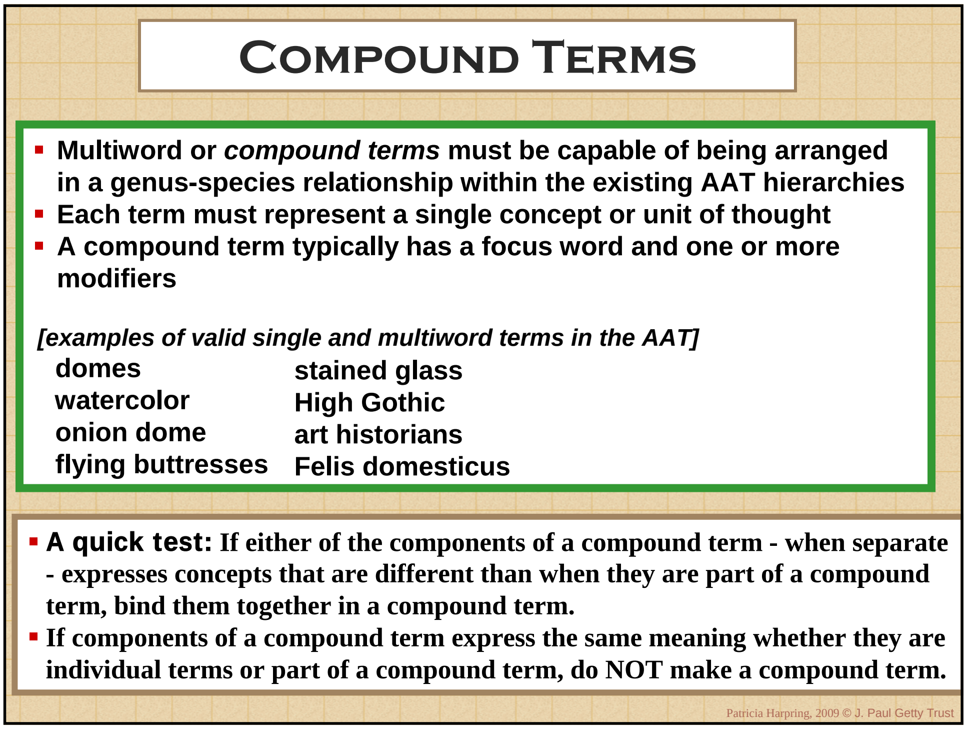
Do not make a compound term composed of a noun phrase containing an adjective that designates material, style, attribute, or technique. Doing so would mean that these adjectives would recur in infinite combinations throughout the AAT.

[examples of what are NOT allowed as compound terms]

Baroque + churches
Baroque + painting
Baroque + sculpture

stone + walls
stone + churches
stone + steps

***lantern slides* comprises two words. Is it a 'term'?**



COMPOUND TERMS

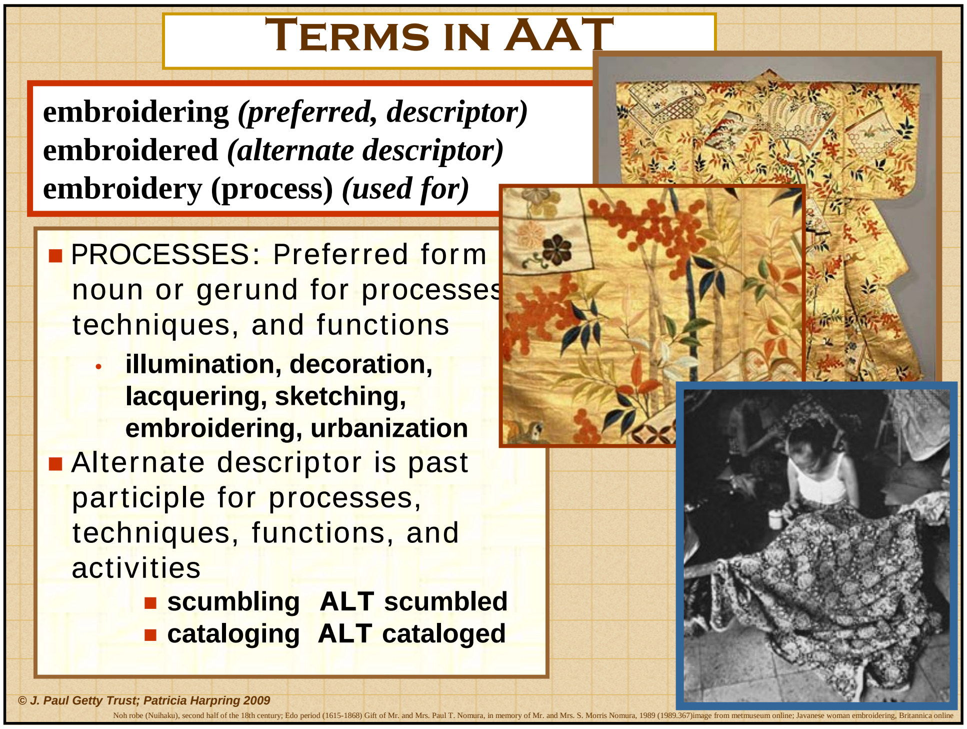
- **Multiword or *compound terms* must be capable of being arranged in a genus-species relationship within the existing AAT hierarchies**
- **Each term must represent a single concept or unit of thought**
- **A compound term typically has a focus word and one or more modifiers**

[examples of valid single and multiword terms in the AAT]

domes
watercolor
onion dome
flying buttresses

stained glass
High Gothic
art historians
Felis domesticus

- **A quick test: If either of the components of a compound term - when separate - expresses concepts that are different than when they are part of a compound term, bind them together in a compound term.**
- **If components of a compound term express the same meaning whether they are individual terms or part of a compound term, do NOT make a compound term.**

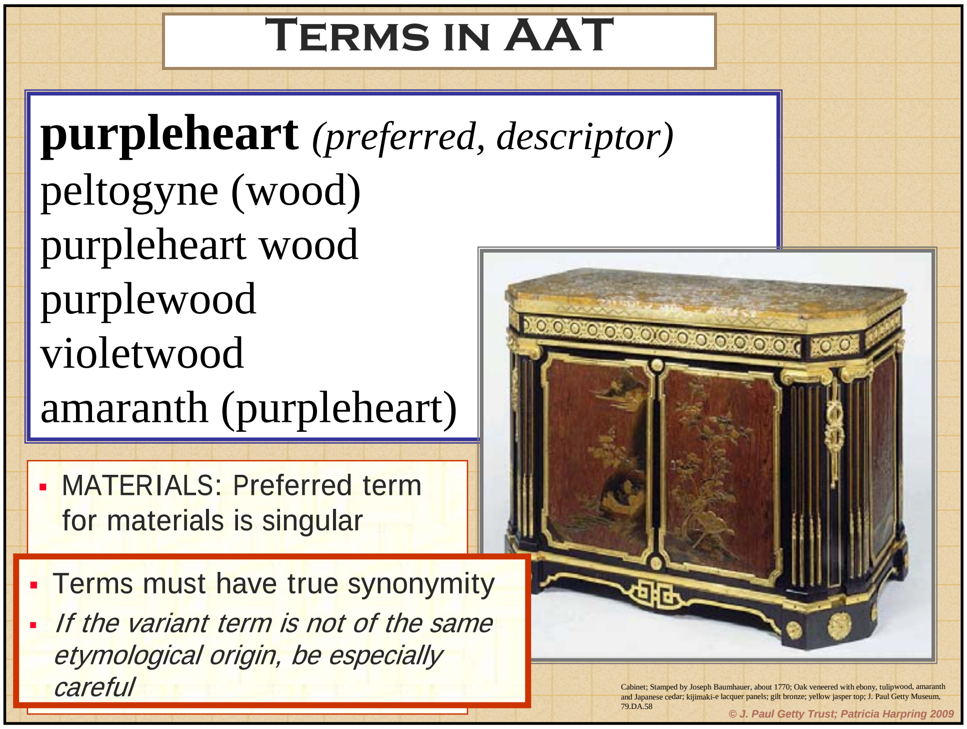


TERMS IN AAT

embroidering *(preferred, descriptor)*
embroidered *(alternate descriptor)*
embroidery (process) *(used for)*

- PROCESSES: Preferred form noun or gerund for processes, techniques, and functions
  - **illumination, decoration, lacquering, sketching, embroidering, urbanization**
- Alternate descriptor is past participle for processes, techniques, functions, and activities
  - **scumbling ALT scumbled**
  - **cataloging ALT cataloged**

Noh robe (Nuihaku), second half of the 18th century; Edo period (1615-1868) Gift of Mr. and Mrs. Paul T. Nomura, in memory of Mr. and Mrs. S. Morris Nomura, 1989 (1989.367)image from metmuseum online; Javanese woman embroidering, Britannica online



TERMS IN AAT

purpleheart *(preferred, descriptor)*
peltogyne (wood)
purpleheart wood
purplewood
violetwood
amaranth (purpleheart)

- MATERIALS: Preferred term for materials is singular

- Terms must have true synonymity
- *If the variant term is not of the same etymological origin, be especially careful*

Cabinet; Stamped by Joseph Baumhauer, about 1770; Oak veneered with ebony, tulipwood, amaranth and Japanese cedar; kijimaki-e lacquer panels; gilt bronze; yellow jasper top; J. Paul Getty Museum, 79.DA.58

TERMS IN AAT

purpleheart *(preferred, descriptor)*
peltogyne (wood)
purpleheart wood
purplewood
violetwood
amaranth (purpleheart)

- Terms generally in lower case, except scientific terms, styles, other terms capitalized based on warrant
- Angevin Gothic, Brussels lace, Tudor roses

Cabinet; Stamped by Joseph Baumhauer, about 1770; Oak veneered with ebony, tulipwood, amaranth and Japanese cedar; kijimaki-e lacquer panels; gilt bronze; yellow jasper top; J. Paul Getty Museum, 79.DA.58

QUALIFIERS FOR HOMOGRAPHS

drums (column components)

Cylinders of stone that form the shaft of a column.

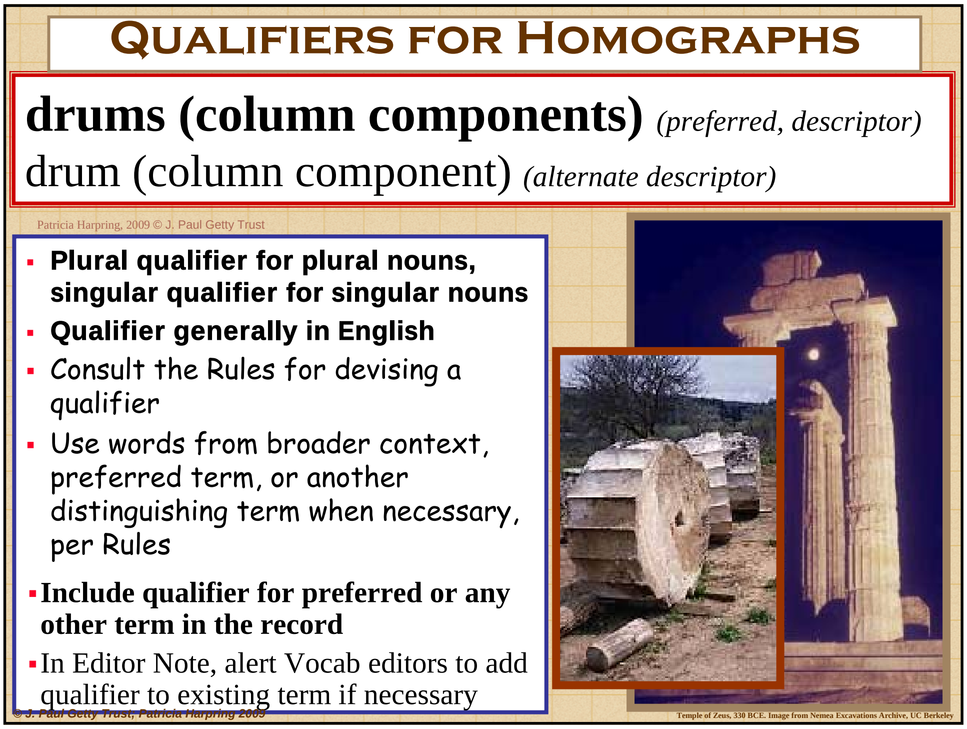
drums (membranophones)

Membranophones with a resonating cavity covered at one or both ends by a membrane which is sounded by striking, rubbing, or plucking.

drums (walls)

The vertical walls, circular or polygonal in plan, that carries a dome.

- **Homographs are spelled the same, disregarding capitalization and punctuation**
- **Include a qualifier if the term is a homograph for another term in the AAT**
- **Or if it is a homograph for another common term in standard language**

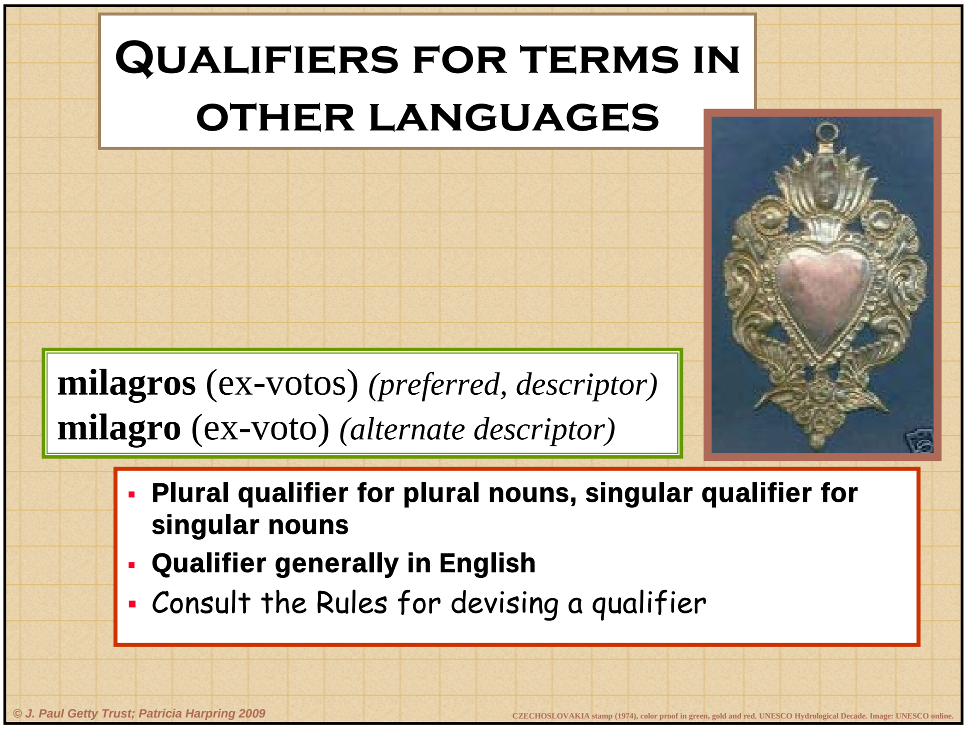


QUALIFIERS FOR HOMOGRAPHS

drums (column components) *(preferred, descriptor)*
drum (column component) *(alternate descriptor)*

- **Plural qualifier for plural nouns, singular qualifier for singular nouns**
- **Qualifier generally in English**
- Consult the Rules for devising a qualifier
- Use words from broader context, preferred term, or another distinguishing term when necessary, per Rules
- **Include qualifier for preferred or any other term in the record**
- In Editor Note, alert Vocab editors to add qualifier to existing term if necessary

Temple of Zeus, 330 BCE. Image from Nemea Excavations Archive, UC Berkeley

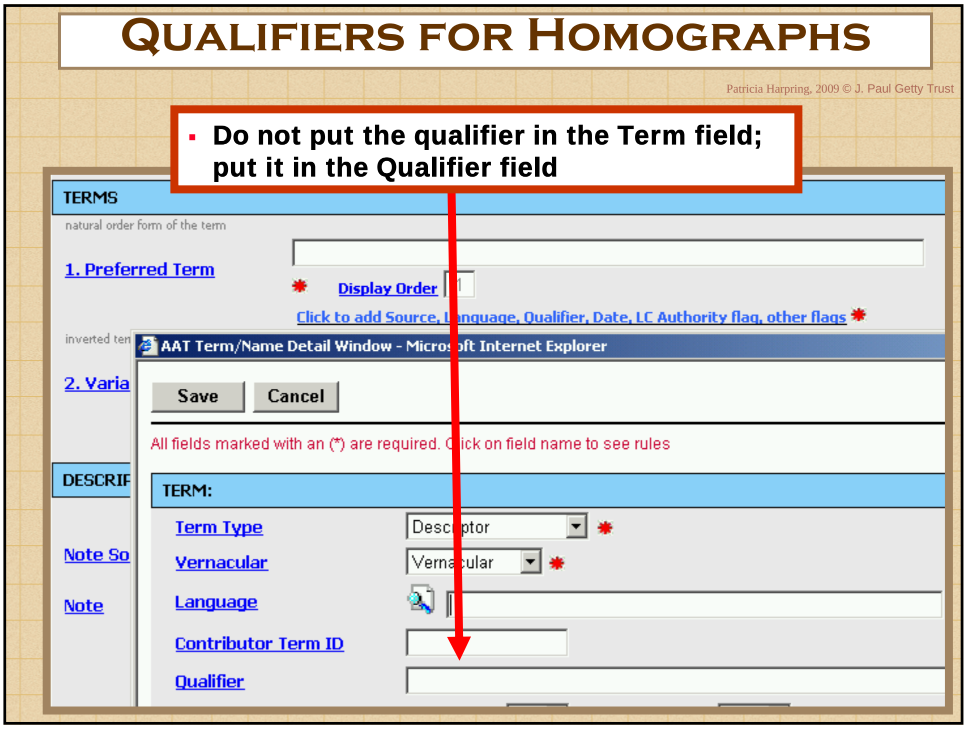


QUALIFIERS FOR TERMS IN OTHER LANGUAGES

milagros (ex-votos) *(preferred, descriptor)*
milagro (ex-voto) *(alternate descriptor)*

- **Plural qualifier for plural nouns, singular qualifier for singular nouns**
- **Qualifier generally in English**
- Consult the Rules for devising a qualifier

CZECHOSLOVAKIA stamp (1974), color proof in green, gold and red. UNESCO Hydrological Decade. Image: UNESCO online.



QUALIFIERS FOR HOMOGRAPHS

- **Do not put the qualifier in the Term field; put it in the Qualifier field**

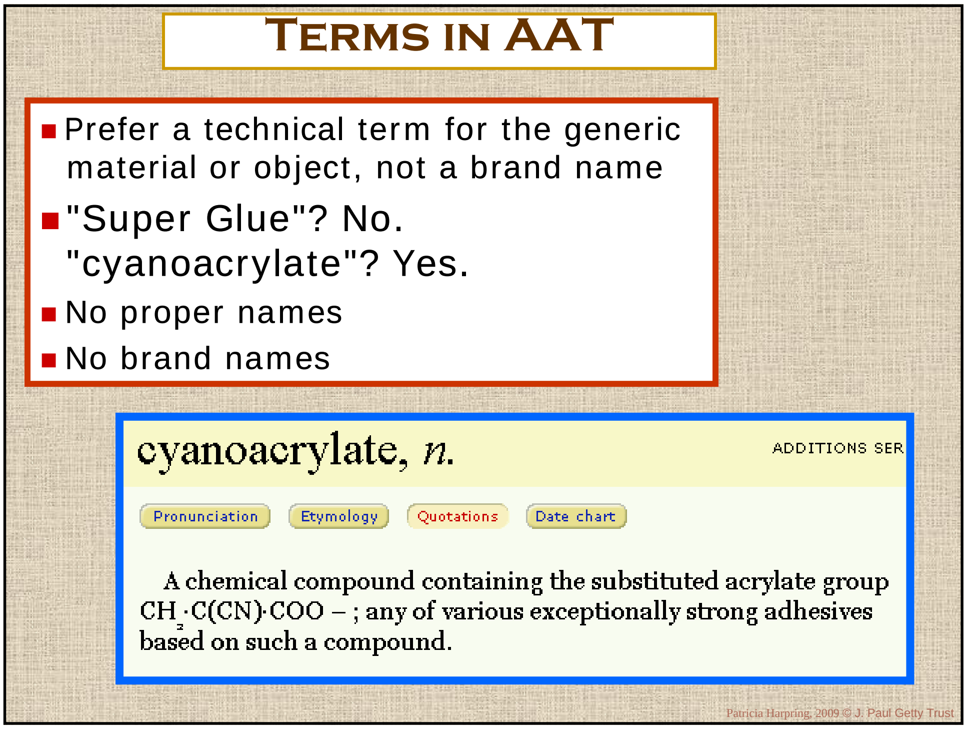
TERMS
natural order form of the term
1. Preferred Term
Display Order
Click to add Source, Language, Qualifier, Date, LC Authority flag, other flags
inverted ter
2. Varia
DESCRIP
Note So
Note
AAT Term/Name Detail Window - Microsoft Internet Explorer
Save
Cancel
TERM:
Language
Contributor Term ID
Qualifier

✱ Display Order: 1

All fields marked with an (*) are required. Click on field name to see rules

Term Type: Descriptor ✱

Vernacular: Vernacular ✱



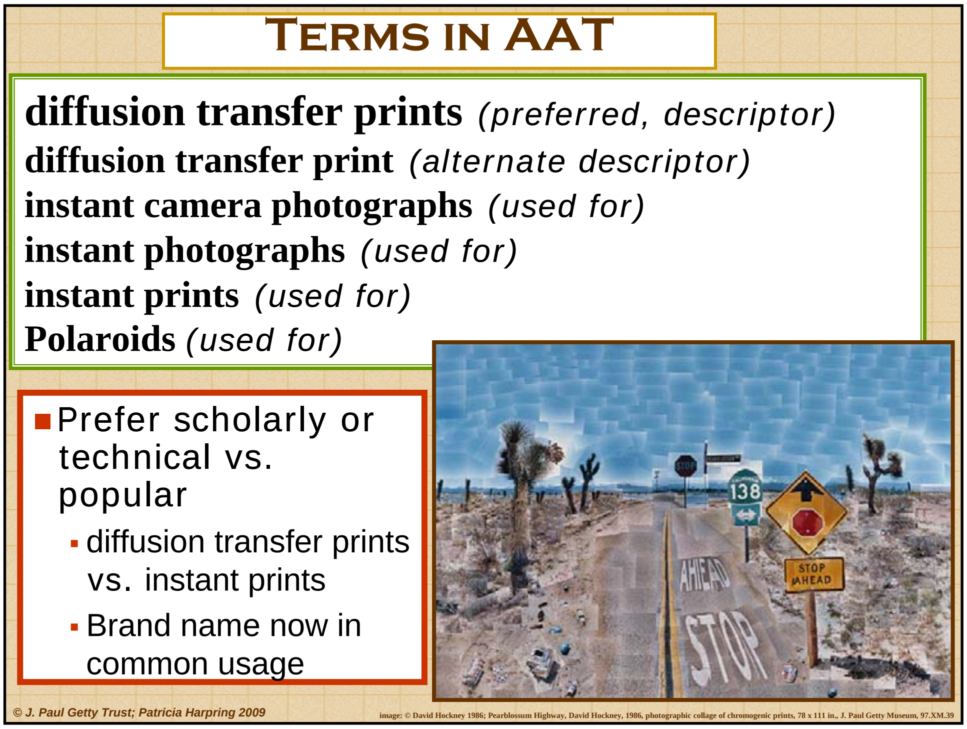
TERMS IN AAT

- Prefer a technical term for the generic material or object, not a brand name
- "Super Glue"? No. "cyanoacrylate"? Yes.
- No proper names
- No brand names

ADDITIONS SER
Pronunciation
Etymology
Quotations
Date chart

cyanoacrylate, *n.*

A chemical compound containing the substituted acrylate group $\mathrm{CH_2{\cdot}C(CN){\cdot}COO}$ – ; any of various exceptionally strong adhesives based on such a compound.

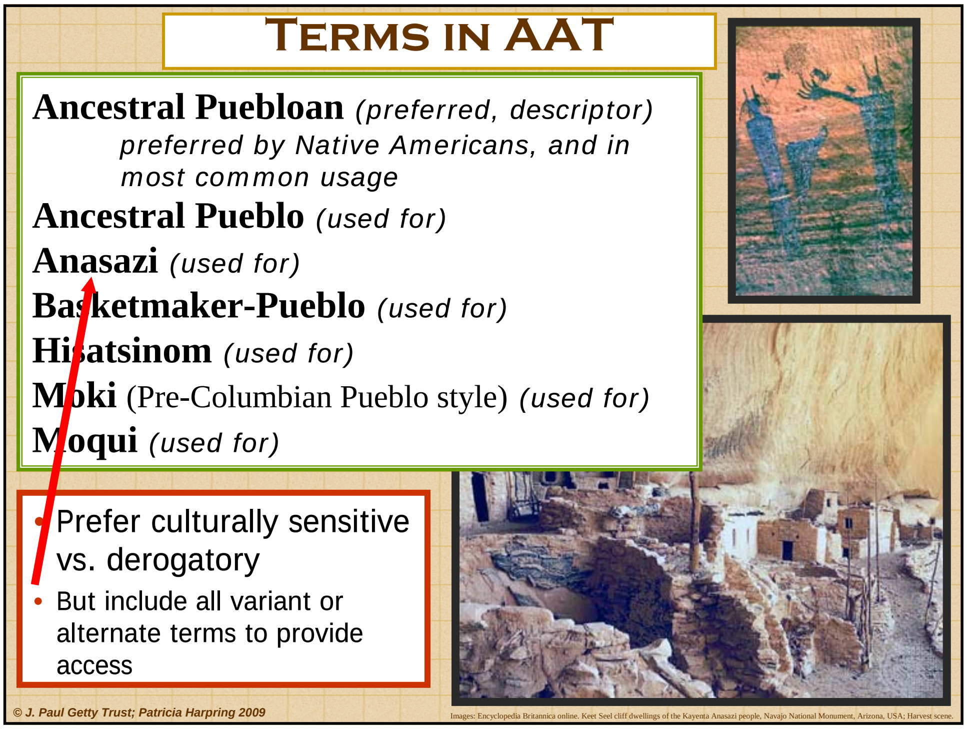


TERMS IN AAT

diffusion transfer prints *(preferred, descriptor)*
diffusion transfer print *(alternate descriptor)*
instant camera photographs *(used for)*
instant photographs *(used for)*
instant prints *(used for)*
Polaroids *(used for)*

- Prefer scholarly or technical vs. popular
  - diffusion transfer prints vs. instant prints
  - Brand name now in common usage

image: © David Hockney 1986; Pearblossum Highway, David Hockney, 1986, photographic collage of chromogenic prints, 78 x 111 in., J. Paul Getty Museum, 97.XM.39

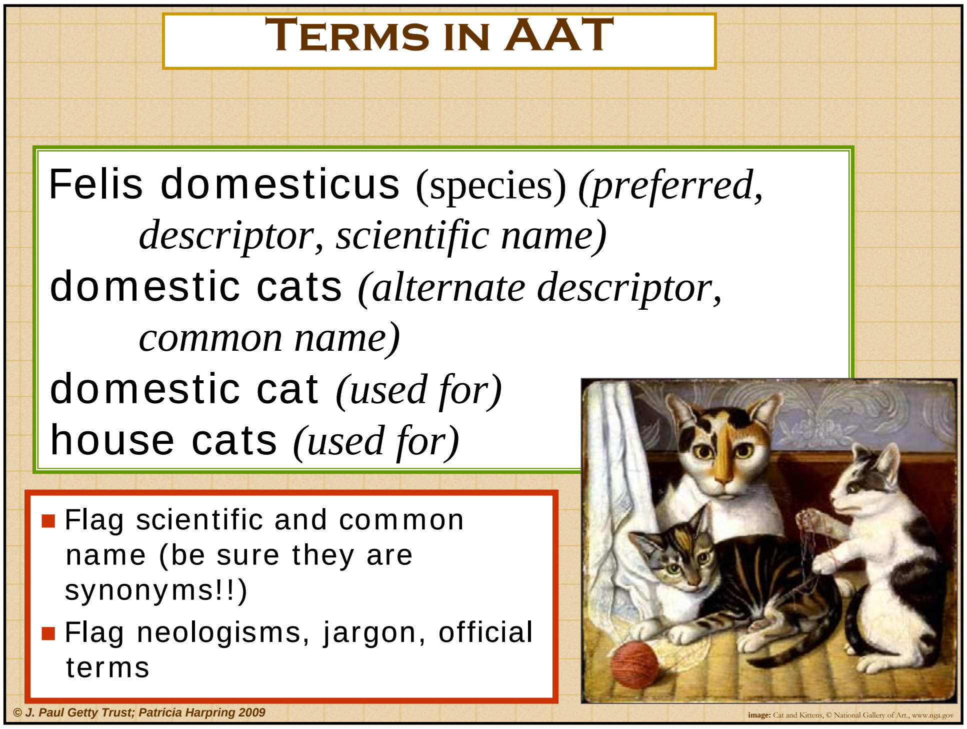


TERMS IN AAT

Ancestral Puebloan *(preferred, descriptor)*
preferred by Native Americans, and in most common usage
Ancestral Pueblo *(used for)*
Anasazi *(used for)*
Basketmaker-Pueblo *(used for)*
Hisatsinom *(used for)*
Moki (Pre-Columbian Pueblo style) *(used for)*
Moqui *(used for)*

- Prefer culturally sensitive vs. derogatory
- But include all variant or alternate terms to provide access

Images: Encyclopedia Britannica online. Keet Seel cliff dwellings of the Kayenta Anasazi people, Navajo National Monument, Arizona, USA; Harvest scene.



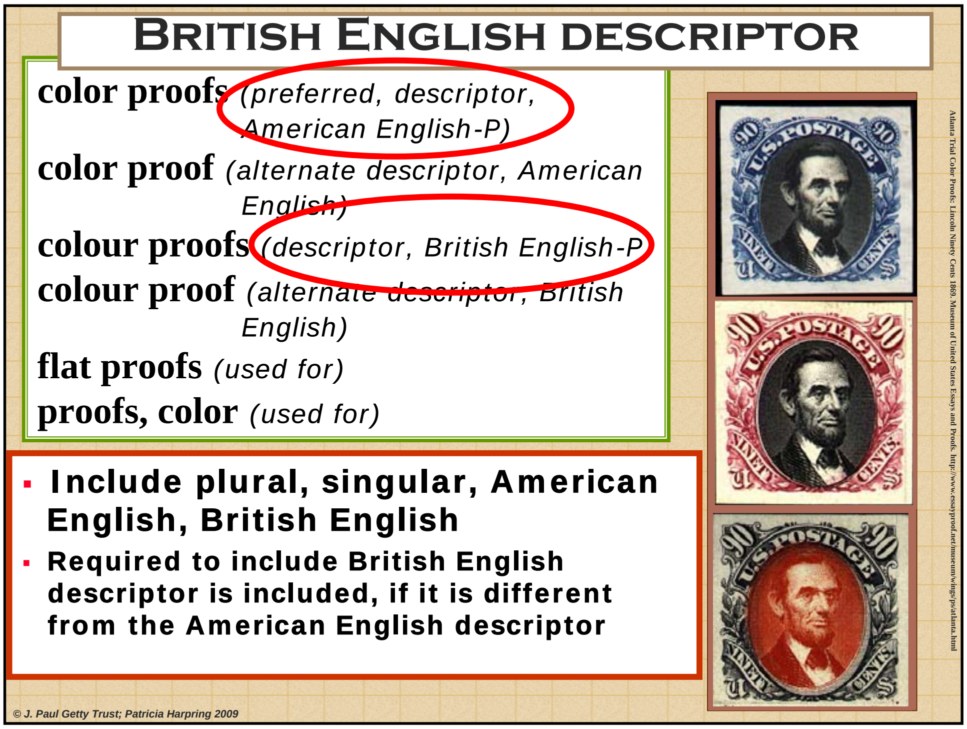
TERMS IN AAT

Felis domesticus (species) *(preferred, descriptor, scientific name)*
domestic cats *(alternate descriptor, common name)*
domestic cat *(used for)*
house cats *(used for)*

- Flag scientific and common name (be sure they are synonyms!!)
- Flag neologisms, jargon, official terms

© J. Paul Getty Trust; Patricia Harpring 2009

image: Cat and Kittens, © National Gallery of Art., www.nga.gov



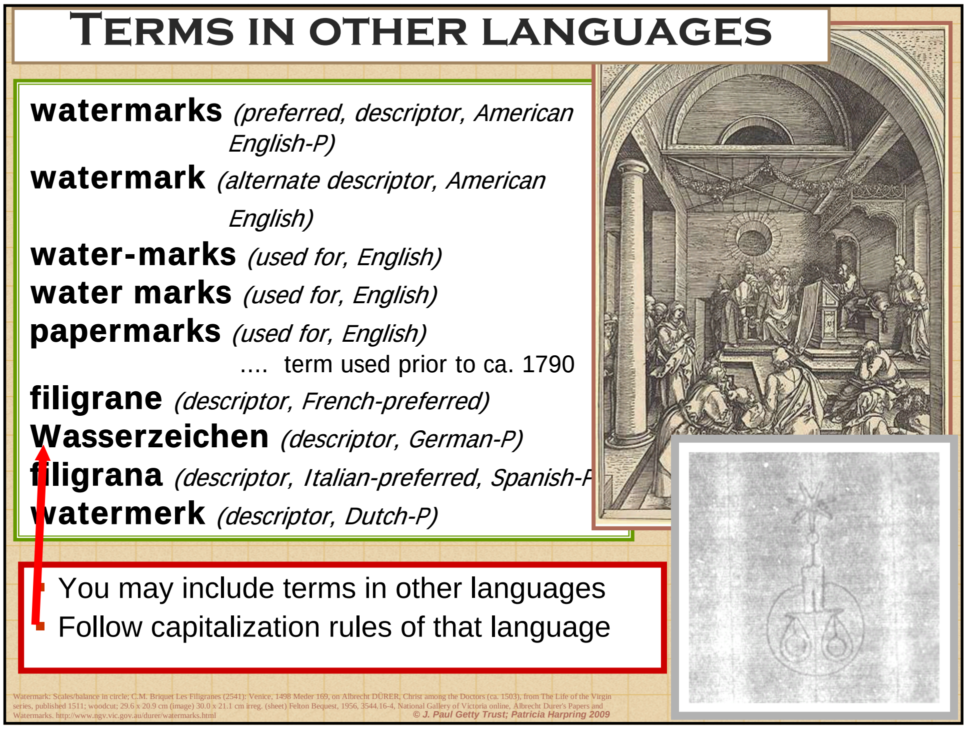
BRITISH ENGLISH DESCRIPTOR

color proofs *(preferred, descriptor, American English-P)*
color proof *(alternate descriptor, American English)*
colour proofs *(descriptor, British English-P*
colour proof *(alternate descriptor, British English)*
flat proofs *(used for)*
proofs, color *(used for)*

- **Include plural, singular, American English, British English**
- **Required to include British English descriptor is included, if it is different from the American English descriptor**

Atlanta Trial Color Proofs: Lincoln Ninety Cents 1869. Museum of United States Essays and Proofs. http://www.essayproof.net/museum/wings/ps/atlanta.html

© J. Paul Getty Trust; Patricia Harpring 2009

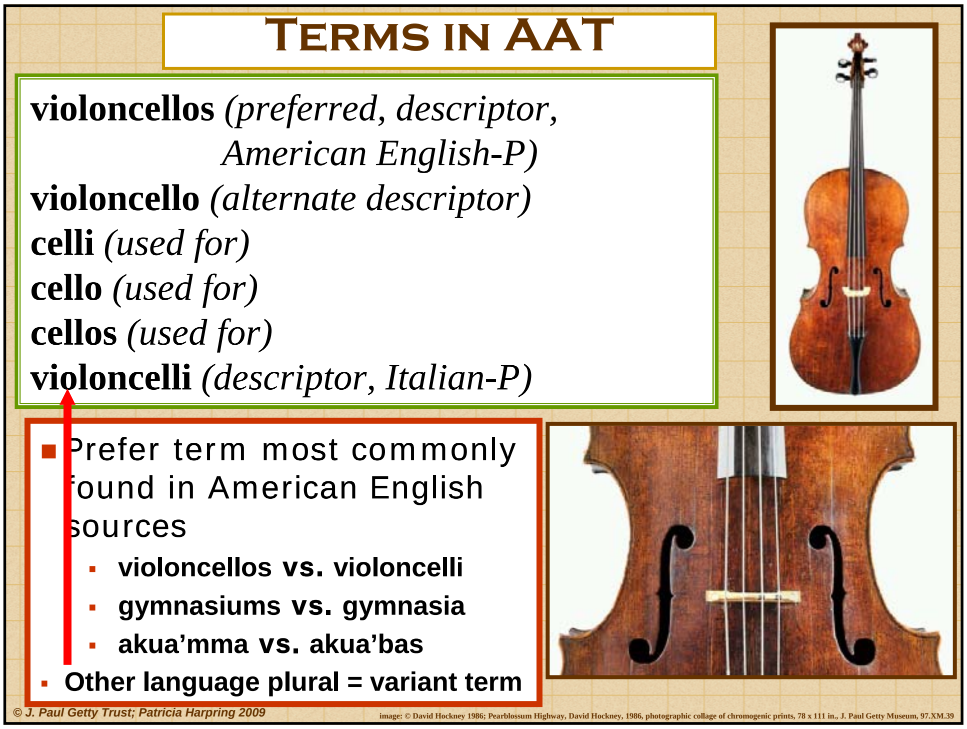


TERMS IN OTHER LANGUAGES

watermarks *(preferred, descriptor, American English-P)*
watermark *(alternate descriptor, American English)*
water-marks *(used for, English)*
water marks *(used for, English)*
papermarks *(used for, English)*
.... term used prior to ca. 1790
filigrane *(descriptor, French-preferred)*
Wasserzeichen *(descriptor, German-P)*
filigrana *(descriptor, Italian-preferred, Spanish-*
watermerk *(descriptor, Dutch-P)*

- You may include terms in other languages
- Follow capitalization rules of that language

Watermark: Scales/balance in circle; C.M. Briquet Les Filigranes (2541): Venice, 1498 Meder 169, on Albrecht DÜRER, Christ among the Doctors (ca. 1503), from The Life of the Virgin series, published 1511; woodcut; 29.6 x 20.9 cm (image) 30.0 x 21.1 cm irreg. (sheet) Felton Bequest, 1956, 3544.16-4, National Gallery of Victoria online, Albrecht Durer's Papers and Watermarks. http://www.ngv.vic.gov.au/durer/watermarks.html



TERMS IN AAT

violoncellos *(preferred, descriptor, American English-P)*
violoncello *(alternate descriptor)*
celli *(used for)*
cello *(used for)*
cellos *(used for)*
violoncelli *(descriptor, Italian-P)*

- Prefer term most commonly found in American English sources
  - **violoncellos vs. violoncelli**
  - **gymnasiums vs. gymnasia**
  - **akua'mma vs. akua'bas**
- **Other language plural = variant term**

image: © David Hockney 1986; Pearblossum Highway, David Hockney, 1986, photographic collage of chromogenic prints, 78 x 111 in., J. Paul Getty Museum, 97.XM.39

LOAN WORDS

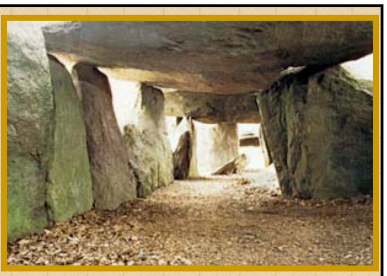
papier-m$03ach$00e *(preferred, descriptor, English-P, French-P)*
papier m$03ach$00e *(used for)*
paper-mache *(used for)*
papier mache *(used for)*

papier-m$03ach$00e = papier-mâché

- Terms borrowed from other languages that have become naturalized in American English
  - lits à la duchesse
  - mihrabs
  - pagodas
  - gongs
  - Schnitzaltars
  - Rathäuser
- May be both preferred English and preferred other language (French)

Lacquer comb and mirror case, 1878; Signed and dated: Fath Allah Shirazi, 1295 A.H.; Iran; Papier-mâché, painted, varnished, and gilded; L. at front 6 1/16 in. (15.4 cm), W. 3 1/2 in. (8.9 cm); Metropolitan Museum of Art; Gift of Irma B. Wilkinson, 1979 (1979.460.2ab); image from www.MetMuseum.org

DIACRITICS



gallery graves *(preferred, descriptor, American English)*
gallery grave *(alternate descriptor, American English)*
graves, gallery *(used for, American English)*
all$00ees couvertes *(used for, American English, French)*

all$00ees couvertes = allées couvertes

- Diacritics recorded in code-extended ASCII (e.g., $00) in data, maps to Unicode
- Must use codes for all fields – all names, notes, date fields, etc.

image: Encyclopedia Britannica online, La Roche aux Fées, megalithic gallery grave of the Neolithic Period (*c.* 3000–*c.* 1800 BC), Essé, Ille-et-Vilaine, France

VARIOUS TRANSLITERATIONS

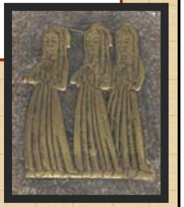
Chokwe *(preferred, descriptor)*
Ciokwe *(used for)*
Cokwe *(used for)*
Jokwe *(used for)*
Kiokwe *(used for)*
Tuchokwe *(used for)*
Badjok *(used for)*
Bajokwe *(used for)*
Batshioko *(used for)*
Kioko *(used for)*
Quioco *(used for)*

- include variant transliterations

Mask, unknown Chokwe, Wood, raffia, metal, kaolin, 20th century, National Museum of African Art, Washington DC (85-15-20, image NMAfA online)

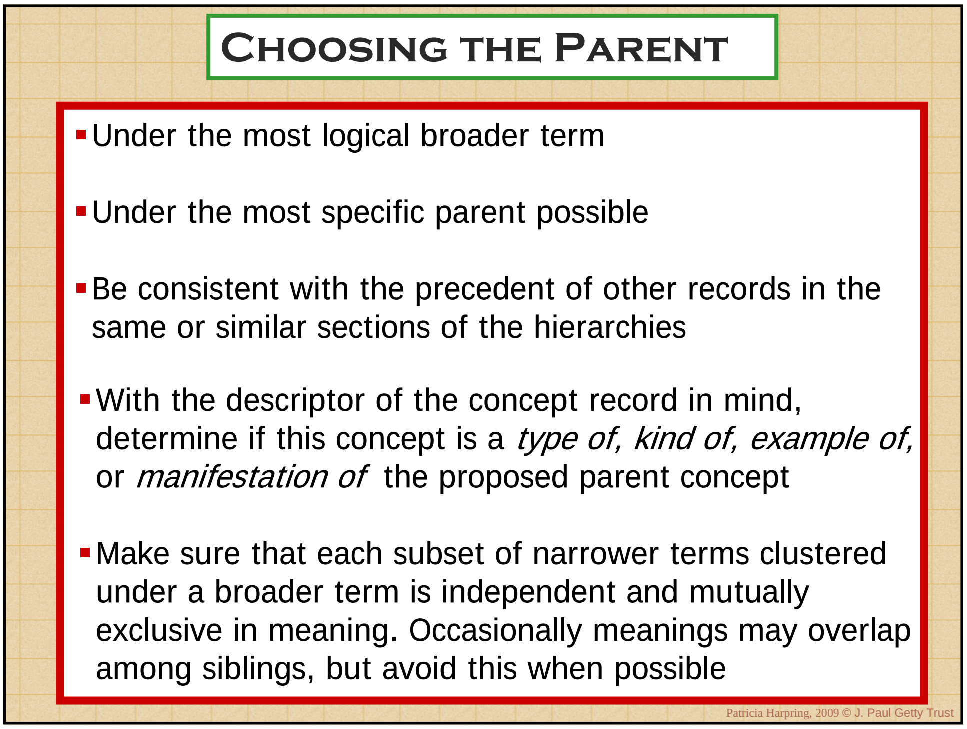
HIERARCHICAL RELATIONSHIP IN AAT – GENUS/SPECIES

funerary sculpture
....brasses (memorials)
....effigies
.......gisants
....haniwa
....mintadi
.......bitumba
....mma
....niombo
....tomb slabs
....ushabti



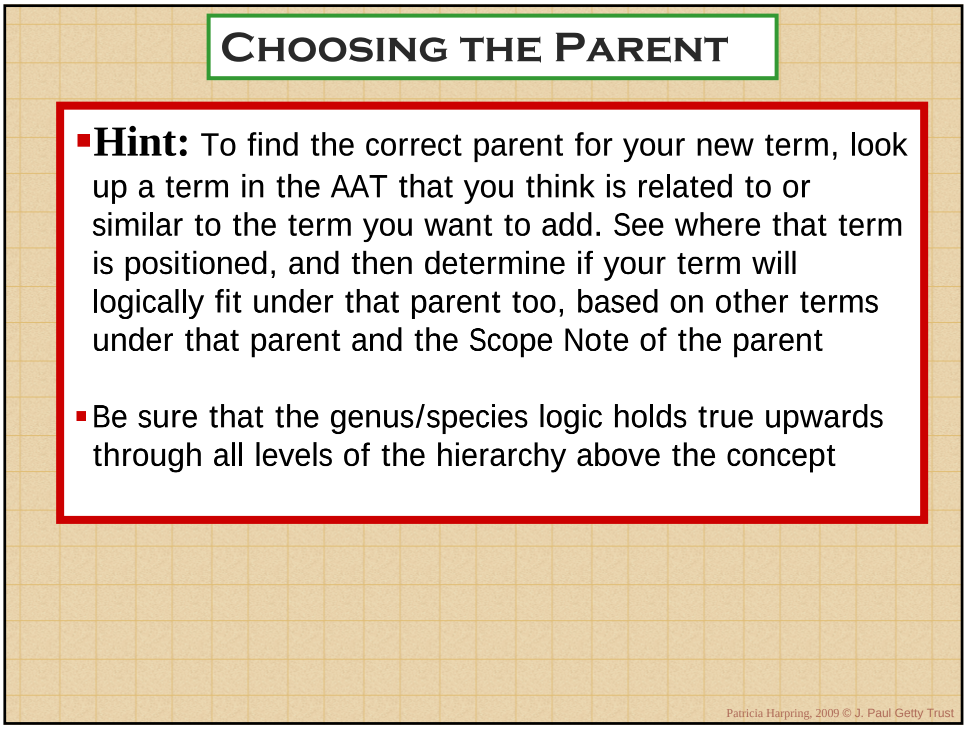
- relationships depicted with indentation
- *brasses, effigies, gisants, haniwa,* and *ushabti* are types of funerary sculpture

Michelangelo Buonarroti, Italian scuptor, painter architect, 1475-1564; Tomb of Giuliano de'Medici (©Medici Chapel, Florence, Italy); 1519-1534; Brasses: The Oliver and Elizabeth St. John Children, Three Daughters, circa 1503. Stoke Rocheford, Lincolnshire, England, Wonderlin; image © from http://lincoln.mclean.il.us/brasses.htm. Le gisant de la reine Bérangère; The Cistercian abbey at l'Epau; © http://www.adema-le-mans.fr/CadreDeVie/flaner.uk.html ; Japanese haniwa: image from © http://www.multimedia.calpoly.edu/libarts/jwetzel/Japan/slides/HaniwaWarrior.html



CHOOSING THE PARENT

- Under the most logical broader term
- Under the most specific parent possible
- Be consistent with the precedent of other records in the same or similar sections of the hierarchies
- With the descriptor of the concept record in mind, determine if this concept is a *type of, kind of, example of,* or *manifestation of* the proposed parent concept
- Make sure that each subset of narrower terms clustered under a broader term is independent and mutually exclusive in meaning. Occasionally meanings may overlap among siblings, but avoid this when possible



CHOOSING THE PARENT

- **Hint:** To find the correct parent for your new term, look up a term in the AAT that you think is related to or similar to the term you want to add. See where that term is positioned, and then determine if your term will logically fit under that parent too, based on other terms under that parent and the Scope Note of the parent
- Be sure that the genus/species logic holds true upwards through all levels of the hierarchy above the concept

FACETS

- Facets are the top level of the AAT structure
- AAT is not organized by subject matter or discipline
- **"Hierarchies" are arranged within the seven facets**
- **Conceptually organized in a scheme that proceeds from abstract concepts to concrete, physical artifacts**

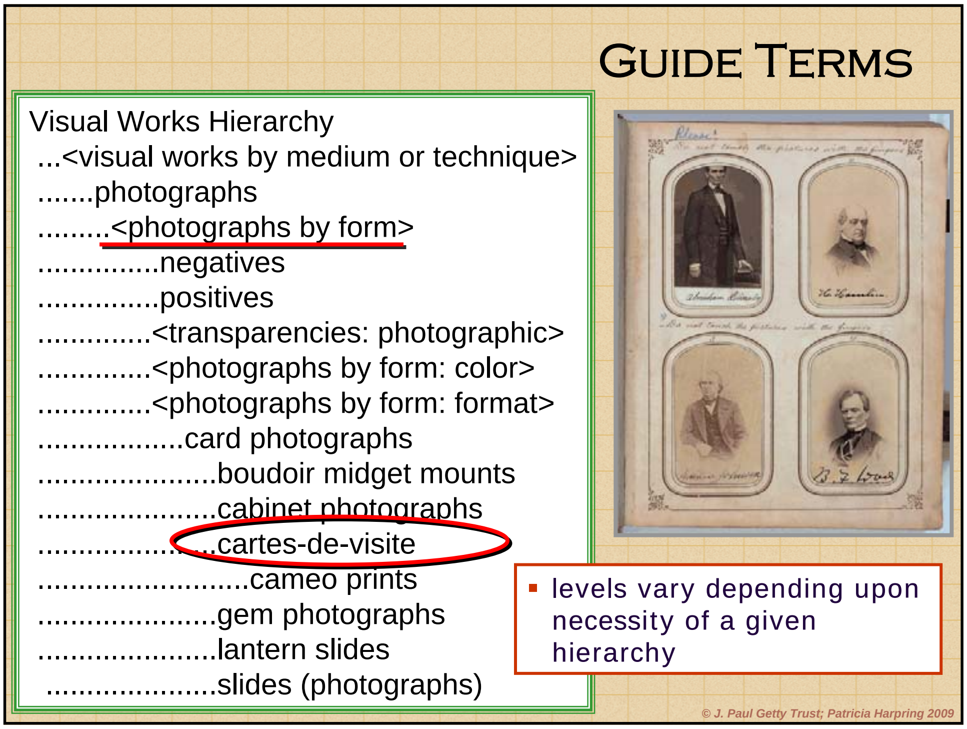
Associated Concepts	*Physical Attributes*	*Styles and Periods*	*Agents*	*Activities*	*Materials*	*Objects*

Information Forms Hierarchy
...<document genres>
.......<document genres by function>
..........records
...............<records by form or function>
...................accession records
...................administrative records
...................architectural records
...................bidding documents
...................census records
...................financial records
...................legal documents
.......................legal instruments
..........................affidavits
..........................agreements
..........................articles of incorporation
..........................bonds (legal records)
..........................certificates of incorporation
..........................charters
...............................charter parties
..........................escrows
..........................franchises

GUIDE TERMS

Magna Carta, NARA

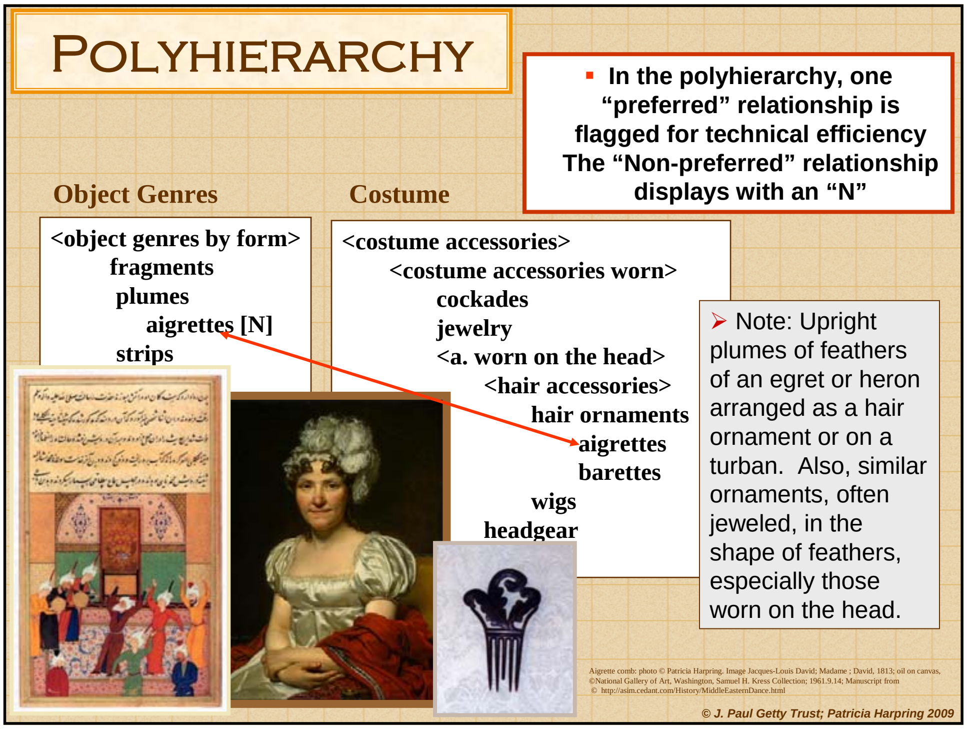
- hierarchies are organized using guide terms, e.g., <form or function>



GUIDE TERMS

Visual Works Hierarchy
...<visual works by medium or technique>
.......photographs
.........<photographs by form>
...............negatives
...............positives
.............<transparencies: photographic>
.............<photographs by form: color>
.............<photographs by form: format>
.................card photographs
......................boudoir midget mounts
......................cabinet photographs
......................cartes-de-visite
.........................cameo prints
......................gem photographs
......................lantern slides
.....................slides (photographs)

- levels vary depending upon necessity of a given hierarchy



POLYHIERARCHY

- In the polyhierarchy, one "preferred" relationship is flagged for technical efficiency The "Non-preferred" relationship displays with an "N"

Object Genres

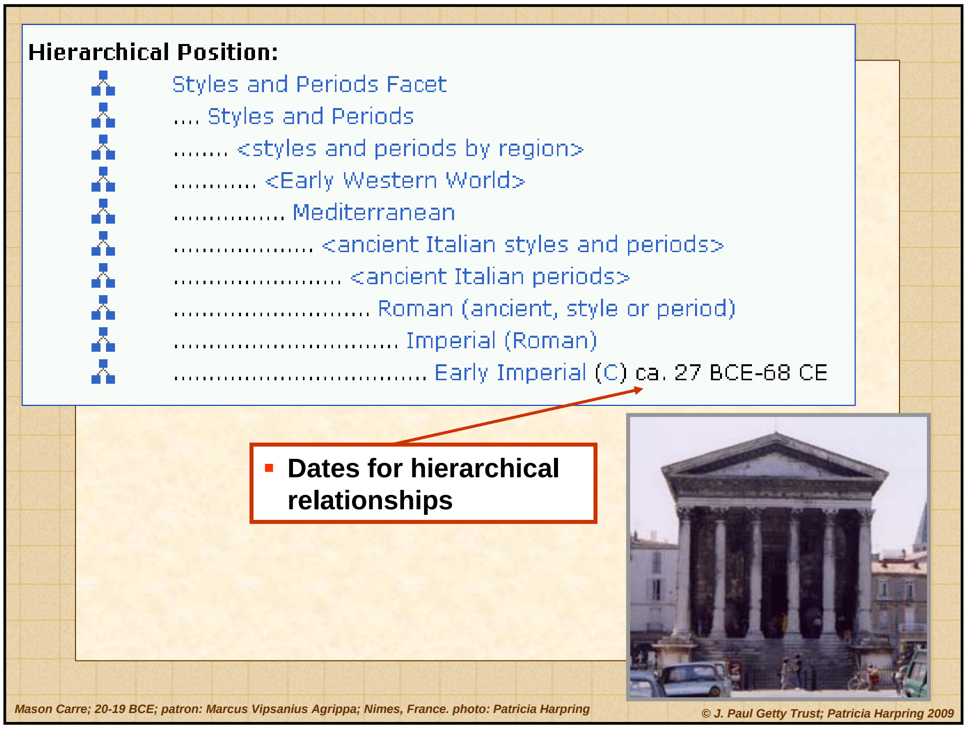
<object genres by form>
fragments
plumes
aigrettes [N]
strips

Costume

<costume accessories>
<costume accessories worn>
cockades
jewelry
<a. worn on the head>
<hair accessories>
hair ornaments
aigrettes
barettes
wigs
headgear

➢ Note: Upright plumes of feathers of an egret or heron arranged as a hair ornament or on a turban. Also, similar ornaments, often jeweled, in the shape of feathers, especially those worn on the head.

Aigrette comb: photo © Patricia Harpring. Image Jacques-Louis David; Madame ; David, 1813; oil on canvas, ©National Gallery of Art, Washington, Samuel H. Kress Collection; 1961.9.14; Manuscript from © http://asim.cedant.com/History/MiddleEasternDance.html



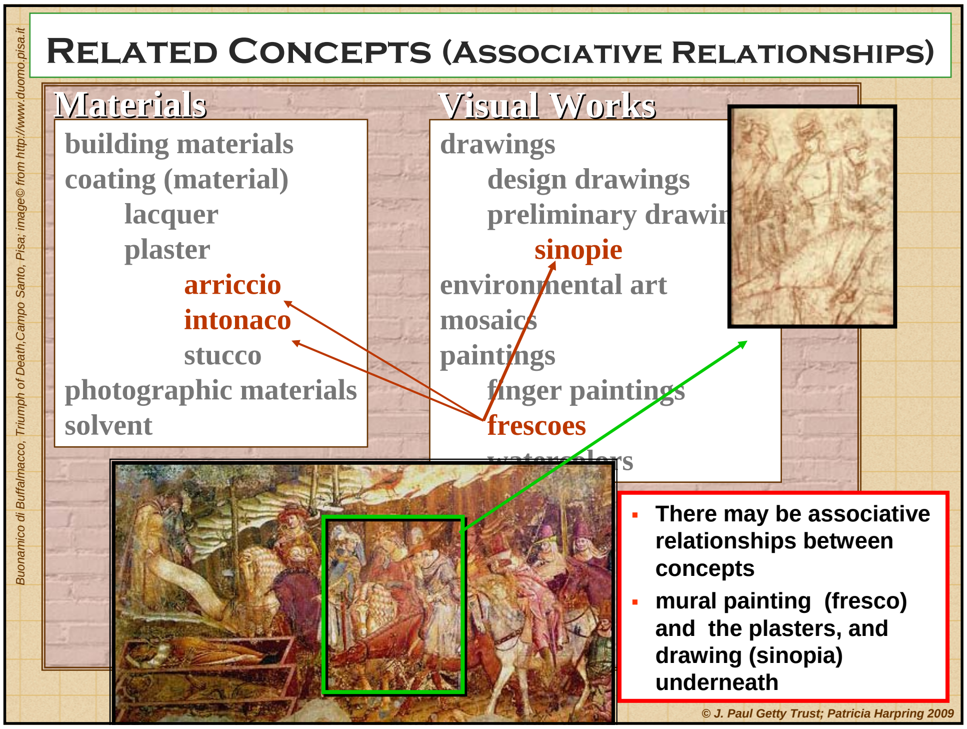
Hierarchical Position:

- Styles and Periods Facet
  - .... Styles and Periods
    - .... <styles and periods by region>
      - .... <Early Western World>
        - .... Mediterranean
          - .... <ancient Italian styles and periods>
            - .... <ancient Italian periods>
              - .... Roman (ancient, style or period)
                - .... Imperial (Roman)
                  - .... Early Imperial (C) ca. 27 BCE-68 CE

- Dates for hierarchical relationships

Mason Carre; 20-19 BCE; patron: Marcus Vipsanius Agrippa; Nimes, France. photo: Patricia Harpring

© J. Paul Getty Trust; Patricia Harpring 2009



RELATED CONCEPTS (ASSOCIATIVE RELATIONSHIPS)

Buonamico di Buffalmacco, Triumph of Death,Campo Santo, Pisa; image© from http://www.duomo.pisa.it

Materials

- building materials
- coating (material)
  - lacquer
  - plaster
    - arriccio
    - intonaco
    - stucco
- photographic materials
- solvent

Visual Works

- drawings
  - design drawings
  - preliminary drawi
    - sinopie
- environmental art
- mosaics
- paintings
  - finger paintings
  - frescoes
  - watercolors

- There may be associative relationships between concepts
- mural painting (fresco) and the plasters, and drawing (sinopia) underneath

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- Examples of relationship types

[in the record for **piers (supporting elements)** *]*
Relationship Type: **distinguished from**
Related Concept: **columns (architectural elements)**
Relationship Type: **distinguished from**
Related Concept: **posts**

[in the record for **cave architecture***]*
Relationship Type: **meaning/usage overlaps with**
Related Concept: **rock-cut architecture**

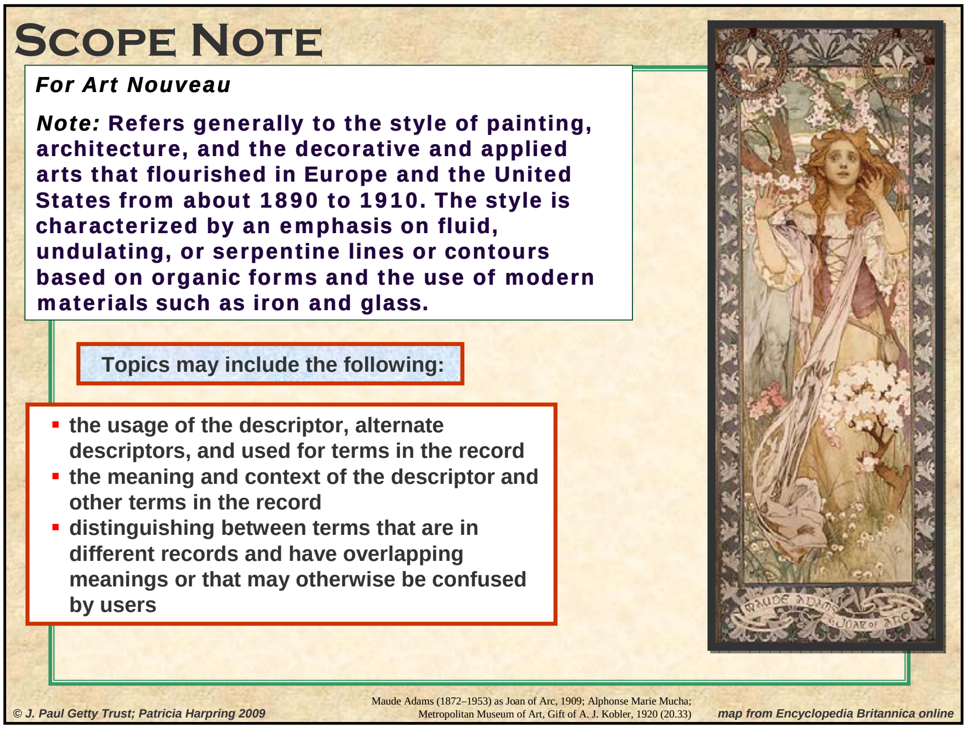
[in the record for **carving (process)** *]*
Relationship Type: **causative/resulting concept(s) is**
Related Concept: **carvings (visual works)**

[in the record for **hachas (ceremonial axes)***]*
Relationship Type: **locational context/setting is**
Related Concept: **ball courts (Mesoamerican)**

- Dates for associative relationships

[in the record for "rapiers"]
Relationship Type: **thing(s) needing context is**
Related Concept: **cup-hilts**
Display Date: **cup-hilts were found on rapiers beginning in the 17th century**
Start Date: **1600**
End Date: **9999**

Francesco-Maria Rivolta, ca. 167-1680, Milan, steel, bequest of Carl Otto Kretzschmar von Kienbusch, 1977. Image: Philadelphia Museum of Art online


MAUDE ADAMS as JOAN of ARC

SCOPE NOTE

For Art Nouveau

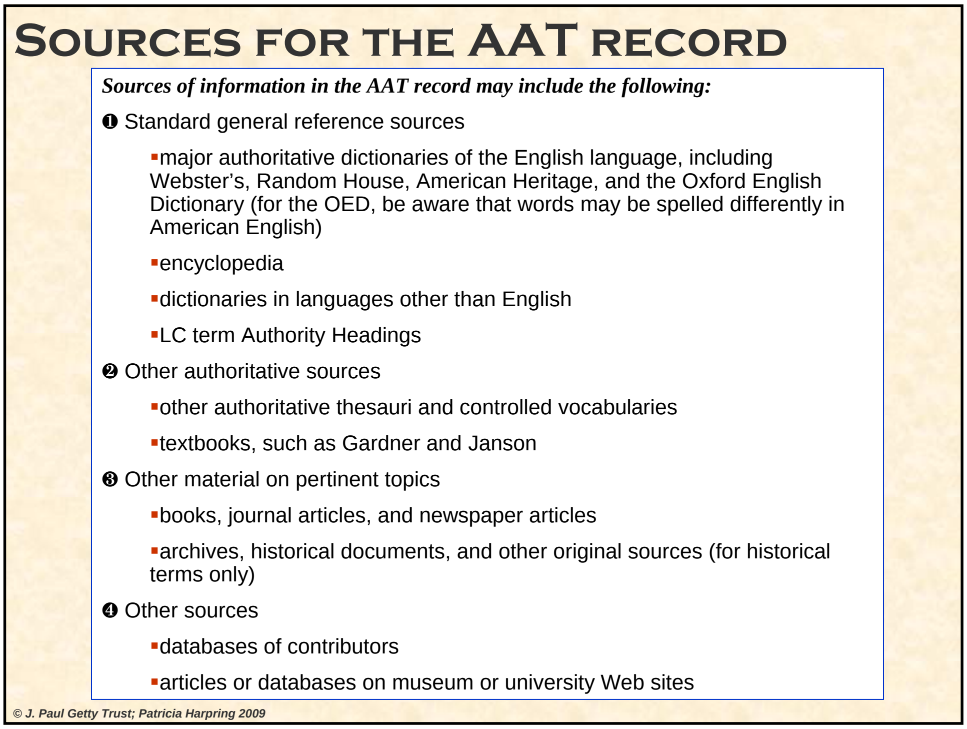
Note: **Refers generally to the style of painting, architecture, and the decorative and applied arts that flourished in Europe and the United States from about 1890 to 1910. The style is characterized by an emphasis on fluid, undulating, or serpentine lines or contours based on organic forms and the use of modern materials such as iron and glass.**

Topics may include the following:

- **the usage of the descriptor, alternate descriptors, and used for terms in the record**
- **the meaning and context of the descriptor and other terms in the record**
- **distinguishing between terms that are in different records and have overlapping meanings or that may otherwise be confused by users**

Maude Adams (1872–1953) as Joan of Arc, 1909; Alphonse Marie Mucha; Metropolitan Museum of Art, Gift of A. J. Kobler, 1920 (20.33)

map from Encyclopedia Britannica online



SOURCES FOR THE AAT RECORD

Sources of information in the AAT record may include the following:

❶ Standard general reference sources

- major authoritative dictionaries of the English language, including Webster's, Random House, American Heritage, and the Oxford English Dictionary (for the OED, be aware that words may be spelled differently in American English)
- encyclopedia
- dictionaries in languages other than English
- LC term Authority Headings

❷ Other authoritative sources

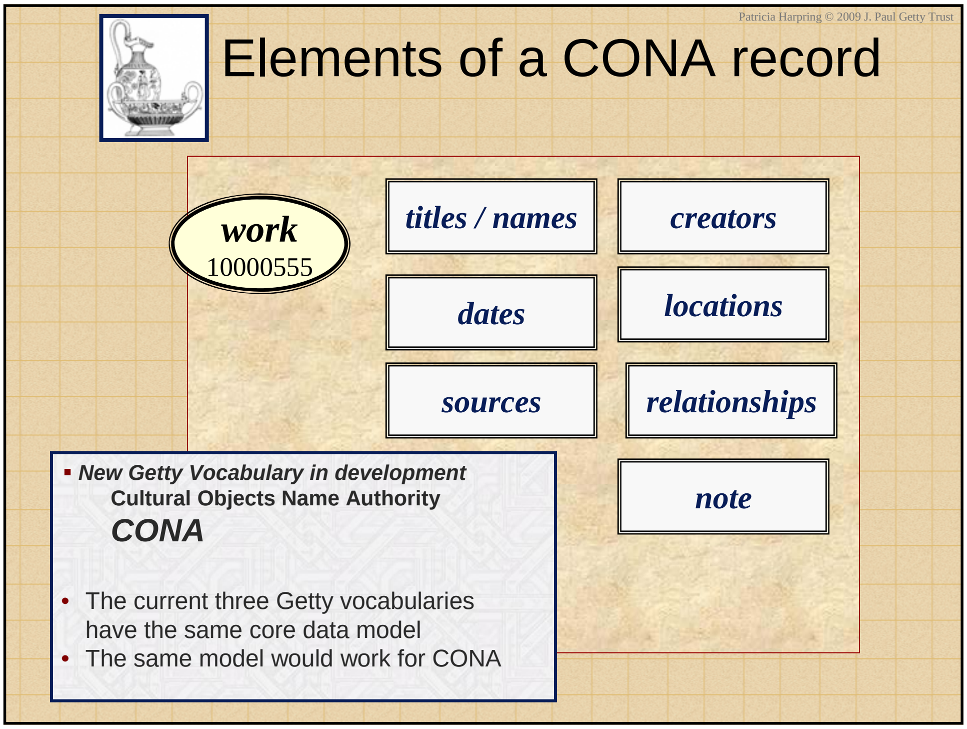
- other authoritative thesauri and controlled vocabularies
- textbooks, such as Gardner and Janson

❸ Other material on pertinent topics

- books, journal articles, and newspaper articles
- archives, historical documents, and other original sources (for historical terms only)

❹ Other sources

- databases of contributors
- articles or databases on museum or university Web sites



Patricia Harpring © 2009 J. Paul Getty Trust

Elements of a CONA record

- *New Getty Vocabulary in development*
  Cultural Objects Name Authority
  CONA

- The current three Getty vocabularies have the same core data model
- The same model would work for CONA

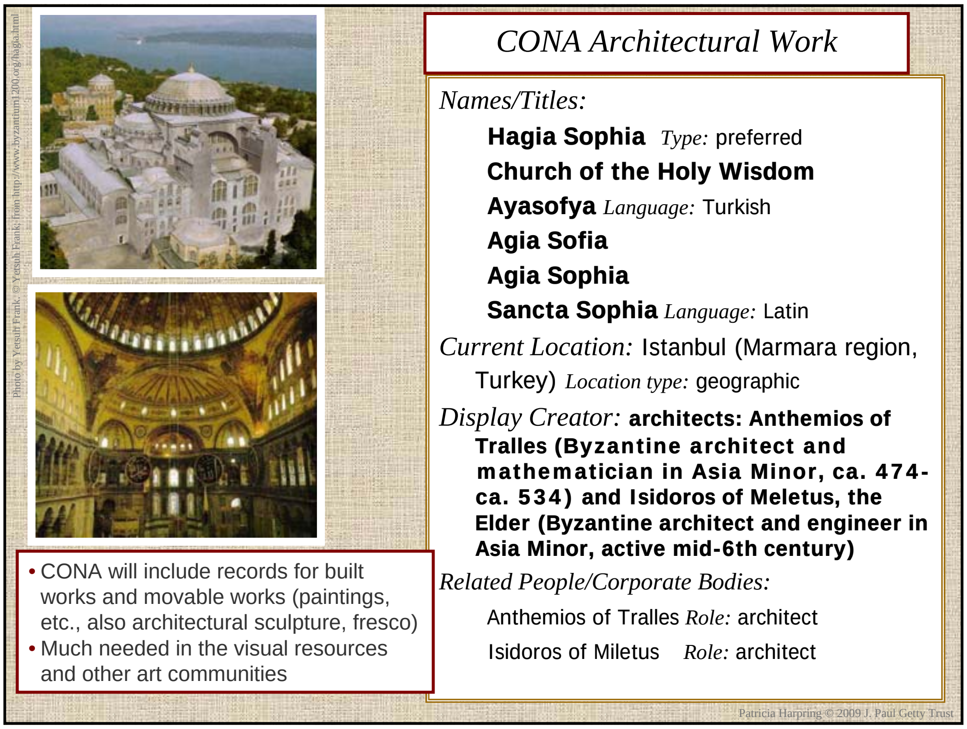


Photo by Yetsuh Frank. © Yetsuh Frank; from http://www.byzantium1200.org/hagia.html

CONA Architectural Work

Names/Titles:

Hagia Sophia *Type:* preferred
Church of the Holy Wisdom
Ayasofya *Language:* Turkish
Agia Sofia
Agia Sophia
Sancta Sophia *Language:* Latin

Current Location: Istanbul (Marmara region, Turkey) *Location type:* geographic

Display Creator: **architects: Anthemios of Tralles (Byzantine architect and mathematician in Asia Minor, ca. 474-ca. 534) and Isidoros of Meletus, the Elder (Byzantine architect and engineer in Asia Minor, active mid-6th century)**

Related People/Corporate Bodies:

Anthemios of Tralles *Role:* architect
Isidoros of Miletus *Role:* architect

- CONA will include records for built works and movable works (paintings, etc., also architectural sculpture, fresco)
- Much needed in the visual resources and other art communities

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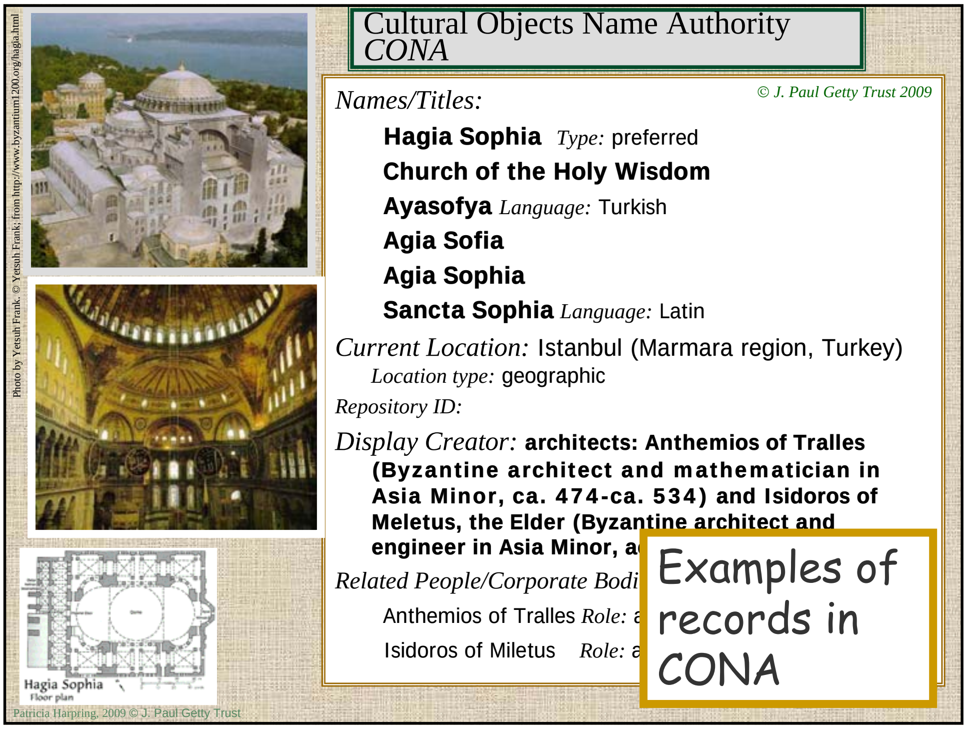


Cultural Objects Name Authority
CONA

Names/Titles:

Hagia Sophia *Type:* preferred
Church of the Holy Wisdom
Ayasofya *Language:* Turkish
Agia Sofia
Agia Sophia
Sancta Sophia *Language:* Latin

Current Location: Istanbul (Marmara region, Turkey)
Location type: geographic

Repository ID:

Display Creator: **architects: Anthemios of Tralles (Byzantine architect and mathematician in Asia Minor, ca. 474-ca. 534) and Isidoros of Meletus, the Elder (Byzantine architect and engineer in Asia Minor, ac**

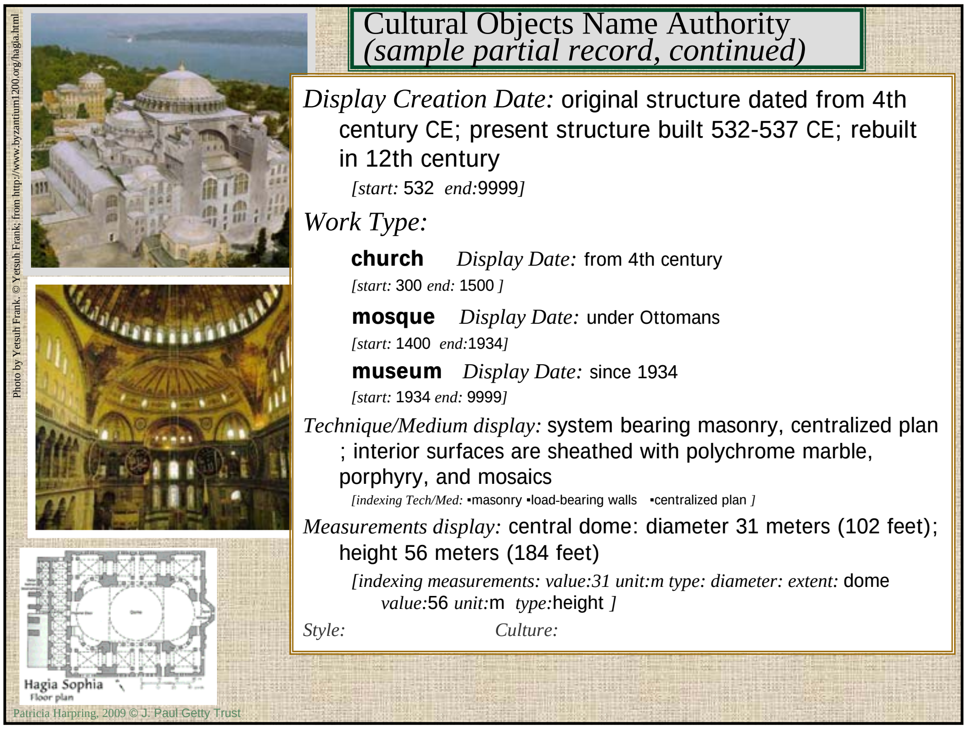
Related People/Corporate Bodi

Anthemios of Tralles *Role:* a
Isidoros of Miletus *Role:* a

Examples of records in CONA

Photo by Yetsuh Frank. © Yetsuh Frank; from http://www.byzantium1200.org/hagia.html

Patricia Harpring, 2009 © J. Paul Getty Trust



Cultural Objects Name Authority
(sample partial record, continued)

Display Creation Date: original structure dated from 4th century CE; present structure built 532-537 CE; rebuilt in 12th century
[start: 532 *end:*9999*]*

Work Type:

church *Display Date:* from 4th century
[start: 300 *end:* 1500 *]*

mosque *Display Date:* under Ottomans
[start: 1400 *end:*1934*]*

museum *Display Date:* since 1934
[start: 1934 *end:* 9999*]*

Technique/Medium display: system bearing masonry, centralized plan ; interior surfaces are sheathed with polychrome marble, porphyry, and mosaics
[indexing Tech/Med: ▪masonry ▪load-bearing walls ▪centralized plan *]*

Measurements display: central dome: diameter 31 meters (102 feet); height 56 meters (184 feet)
[indexing measurements: value:31 unit:m type: diameter: extent: dome
*value:*56 *unit:*m *type:*height *]*

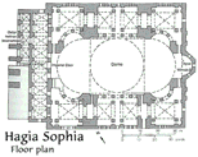
Style: *Culture:*

Photo by Yetsuh Frank. © Yetsuh Frank; from http://www.byzantium1200.org/hagia.html

Patricia Harpring, 2009 © J. Paul Getty Trust

Cultural Objects Name Authority *(sample partial record, continued)*

Photo by Yetsuh Frank. © Yetsuh Frank; from http://www.byzantium1200.org/hagia.html



Subject: ▪architecture ▪religion/mythology ▪ Holy Wisdom (Christian iconography) ▪ worship

Descriptive Note:

Related Works:

Sources:

Broader Context: Built Works

CONA Movable Work

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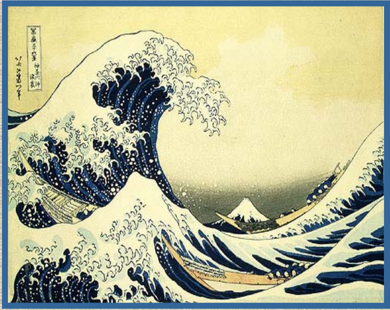


- Initial data available from GCI, BHA, Avery Index, Provenance Index
- User community is enthusiastic re. contributing
- Hope to introduce initial data in 2011

Names/Titles:

Great Wave at Kanagawa *Type:* preferred

In the Hollow of a Wave off the Coast at Kanagawa *Type:* alternate

La Vague *Language:* French

Die große Welle *Language:* German

Current Location: **Metropolitan Museum of Art, New York, New York, USA)** *Location type:* corporate body

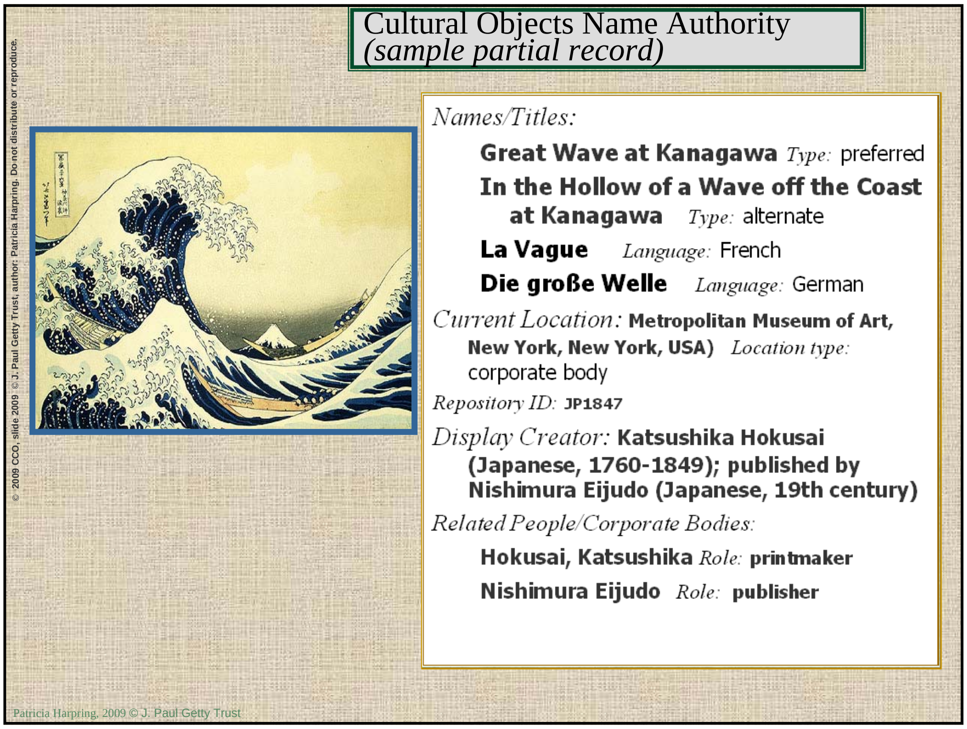
Repository ID: **JP1847**

Display Creator: **Katsushika Hokusai (Japanese, 1760-1849); published by Nishimura Eijudo (Japanese, 19th century)**

Related People/Corporate Bodies:

Hokusai, Katsushika *Role:* **printmaker**

Nishimura Eijudo *Role:* **publisher**



Cultural Objects Name Authority
(sample partial record)

Names/Titles:

Great Wave at Kanagawa *Type:* preferred

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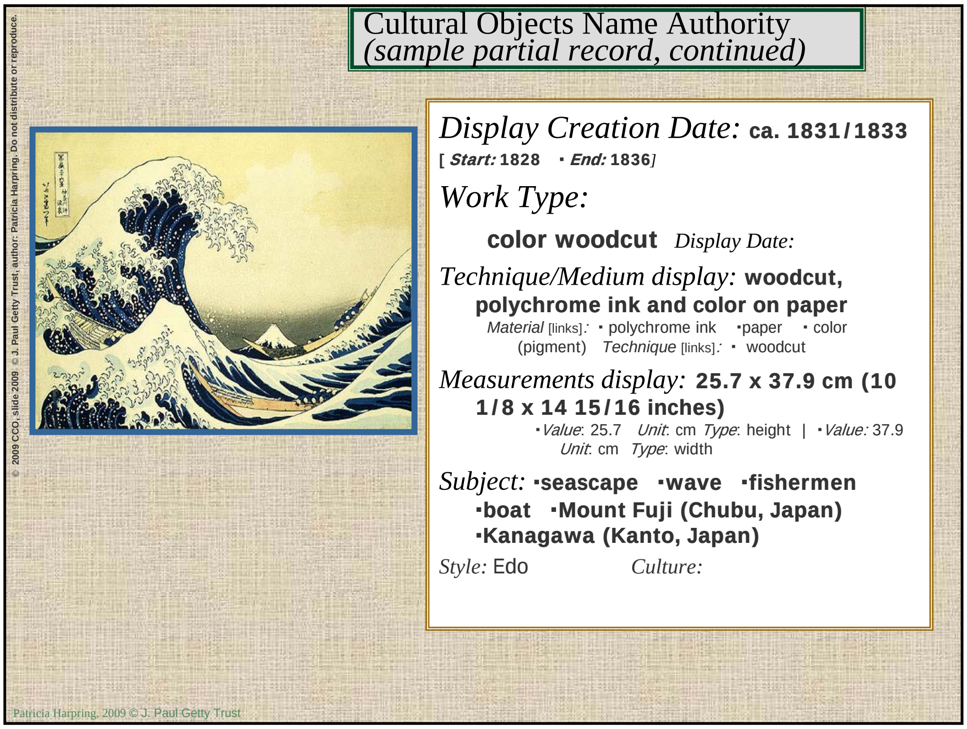

Cultural Objects Name Authority
(sample partial record, continued)

Display Creation Date: **ca. 1831/1833**

[***Start:*** **1828** • ***End:*** **1836**]

Work Type:

color woodcut *Display Date:*

Technique/Medium display: **woodcut, polychrome ink and color on paper**

Material [links]: • polychrome ink •paper • color (pigment) *Technique* [links]: • woodcut

Measurements display: **25.7 x 37.9 cm (10 1/8 x 14 15/16 inches)**

•*Value*: 25.7 *Unit*: cm *Type*: height | •*Value:* 37.9 *Unit*: cm *Type*: width

Subject: **•seascape •wave •fishermen •boat •Mount Fuji (Chubu, Japan) •Kanagawa (Kanto, Japan)**

Style: Edo *Culture:*

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Cultural Objects Name Authority
(sample partial record, continued)

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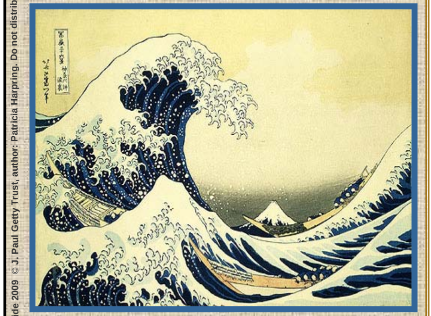


Descriptive Note: **The large wave dominates the scene, with the small mountain in the background. It is said to have inspired said to have inspired both Debussy's "La Mer" and Rilke's "Der Berg."**

Related Works:

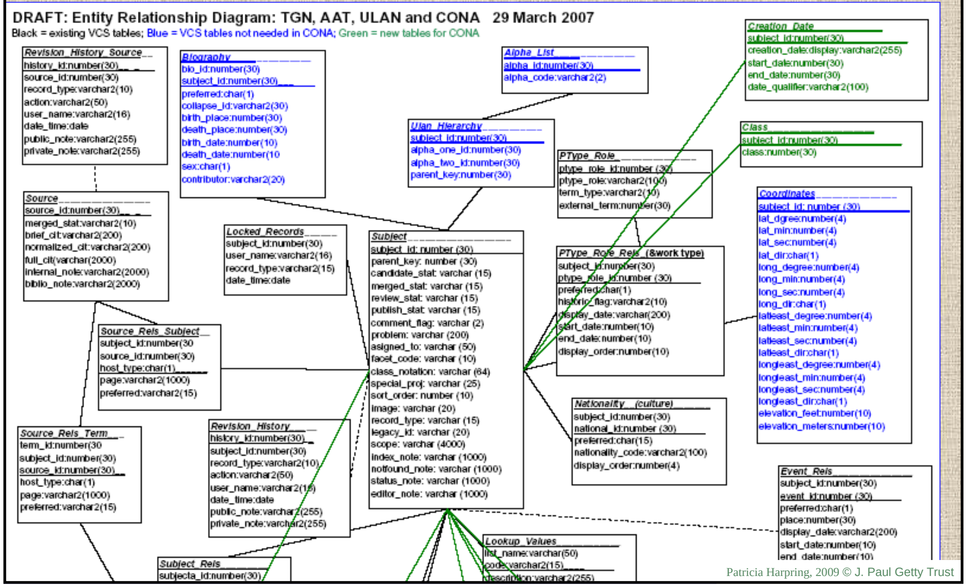
Sources:

Broader Context:

Movable Works

Katsushika Hokusai (Japanese, 1760-1849); Thirty-six Views of Mount Fuji: First Series; 1827-1837

- The current three Getty vocabularies have the same core data model.
- The same model would work for CONA.



DRAFT: Entity Relationship Diagram: TGN, AAT, ULAN and CONA 29 March 2007

Black = existing VCS tables; Blue = VCS tables not needed in CONA; Green = new tables for CONA

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source_id:number(30)
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private_note:varchar2(255)
Biography
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subject_id:number(30)
preferred:char(1)
collapse_id:varchar2(30)
birth_place:number(30)
death_place:number(30)
birth_date:number(10)
death_date:number(10
sex:char(1)
contributor:varchar2(20)
Alpha_List
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alpha_code:varchar2(2)
Ulan_Hierarchy
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alpha_one_id:number(30)
alpha_two_id:number(30)
parent_key:number(30)
PType_Role
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external_term:number(30)
Creation_Date
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creation_date:display:varchar2(255)
start_date:number(30)
end_date:number(30)
date_qualifier:varchar2(100)
Class
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class:number(30)
Source
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merged_stat:varchar2(10)
brief_cit:varchar2(200)
normalized_cit:varchar2(200)
full_cit(varchar(2000)
internal_note:varchar2(2000)
biblio_note:varchar2(2000)
Locked_Records
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record_type:varchar2(15)
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Subject
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review_stat: varchar (15)
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special_proj: varchar (25)
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image: varchar (20)
record_type: varchar (15)
legacy_id: varchar (20)
scope: varchar (4000)
index_note: varchar (1000)
notfound_note: varchar (1000)
status_note: varchar (1000)
editor_note: varchar (1000)
PType_Role_Rels_(&work type)
subject_id:number(30)
ptype_role_id:number (30)
preferred:char(1)
historic_flag:varchar2(10)
display_date:varchar(200)
start_date:number(10)
end_date:number(10)
display_order:number(10)
Coordinates
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lat_sec:number(4)
lat_dir:char(1)
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long_min:number(4)
long_sec:number(4)
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latleast_min:number(4)
latleast_sec:number(4)
latleast_dir:char(1)
longleast_degree:number(4)
longleast_min:number(4)
longleast_sec:number(4)
longleast_dir:char(1)
elevation_feet:number(10)
elevation_meters:number(10)
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preferred:varchar2(15)
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Event_Rels
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end_date:number(10)
Lookup_Values
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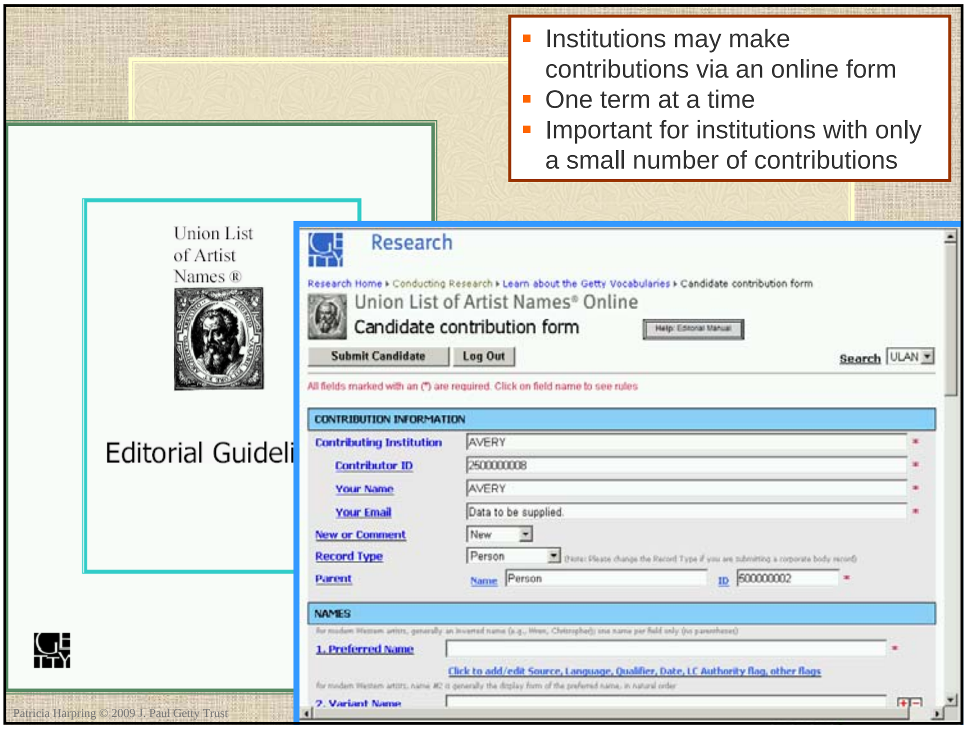
code:varchar2(15)
description:varchar2(255)
Subject_Rels
subjecta_id:number(30)

Creating the Vocabularies

- The Getty vocabularies are compiled in large part from contributions from the user community, including various Getty projects and qualified outside institutions
  - **Thanks to our contribution program, in essence we have many "adjunct Vocabulary Program Editors," with expertise in a variety of areas**



- Institutions may make contributions via an online form
- One term at a time
- Important for institutions with only a small number of contributions

Union List of Artist Names ®

Editorial Guideli

Research

Research Home ▸ Conducting Research ▸ Learn about the Getty Vocabularies ▸ Candidate contribution form

Union List of Artist Names® Online

Candidate contribution form

All fields marked with an (*) are required. Click on field name to see rules

CONTRIBUTION INFORMATION

Contributing Institution	AVERY *
Contributor ID	2500000008 *
Your Name	AVERY *
Your Email	Data to be supplied. *
New or Comment	New
Record Type	Person (Note: Please change the Record Type if you are submitting a corporate body record)
Parent	Name Person ID 500000002 *

NAMES

for modern Western artists, generally an inverted name (e.g., Wren, Christopher); one name per field only (no parentheses)

1. Preferred Name *

Click to add/edit Source, Language, Qualifier, Date, LC Authority flag, other flags

for modern Western artists, name #2 is generally the display form of the preferred name, in natural order

2. Variant Name

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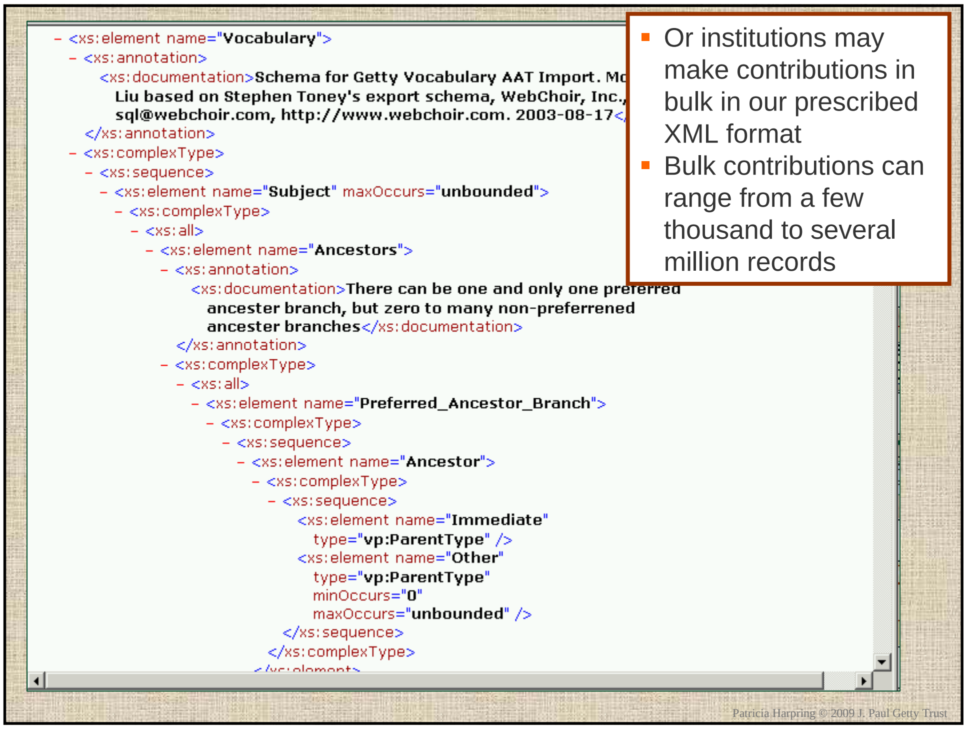

- Or institutions may make contributions in bulk in our prescribed XML format
- Bulk contributions can range from a few thousand to several million records

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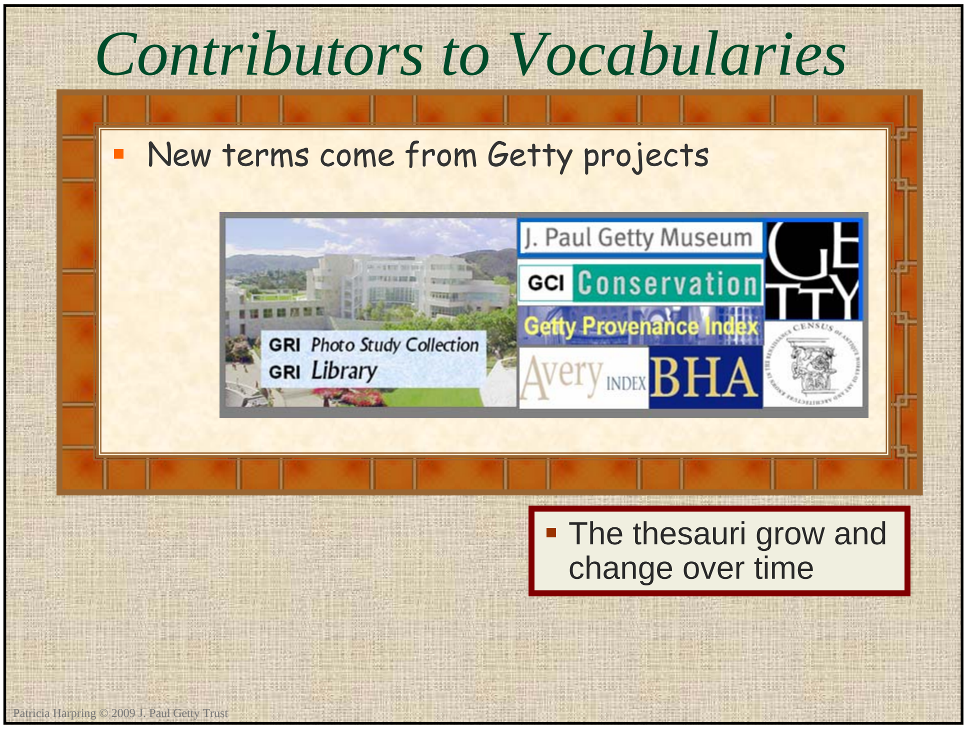
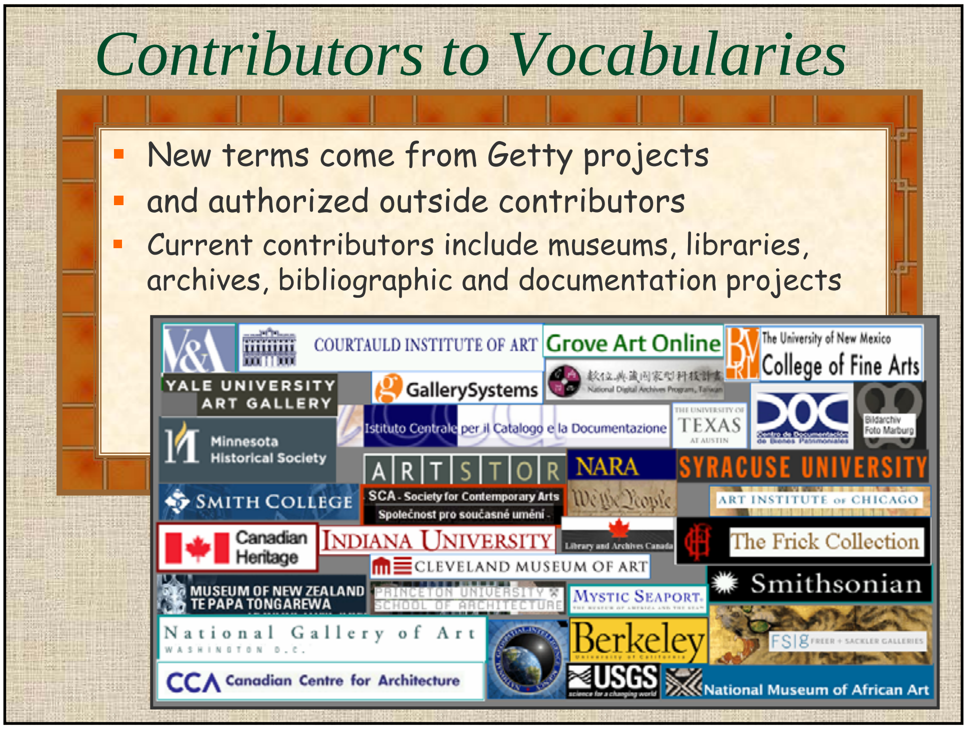


Contributors to Vocabularies

- New terms come from Getty projects

J. Paul Getty Museum
GCI Conservation
Getty Provenance Index
GETTY
GRI Photo Study Collection
GRI Library
Avery INDEX
BHA
CENSUS

- The thesauri grow and change over time



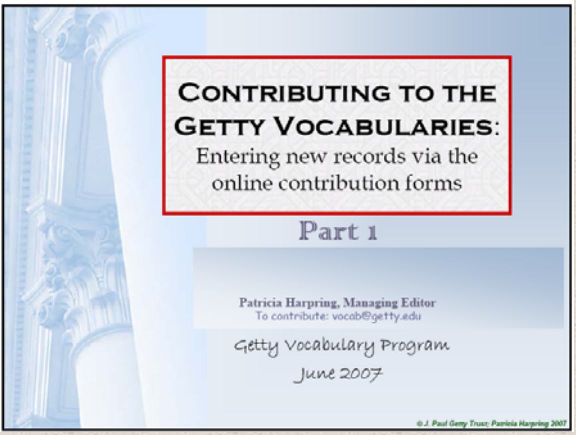
Contributors to Vocabularies

- New terms come from Getty projects
- and authorized outside contributors
- Current contributors include museums, libraries, archives, bibliographic and documentation projects

V&A
COURTAULD INSTITUTE OF ART
Grove Art Online
The University of New Mexico College of Fine Arts
YALE UNIVERSITY ART GALLERY
GallerySystems
National Digital Archives Program, Taiwan
Minnesota Historical Society
Istituto Centrale per il Catalogo e la Documentazione
THE UNIVERSITY OF TEXAS AT AUSTIN
DOC Centro de Documentación de Bienes Patrimoniales
Bildarchiv Foto Marburg
ARTSTOR
NARA
We the People
SYRACUSE UNIVERSITY
SMITH COLLEGE
SCA - Society for Contemporary Arts
Společnost pro současné umění
ART INSTITUTE OF CHICAGO
Canadian Heritage
INDIANA UNIVERSITY
Library and Archives Canada
The Frick Collection
CLEVELAND MUSEUM OF ART
MUSEUM OF NEW ZEALAND TE PAPA TONGAREWA
PRINCETON UNIVERSITY SCHOOL OF ARCHITECTURE
MYSTIC SEAPORT
Smithsonian
National Gallery of Art WASHINGTON D.C.
Berkeley University of California
FSg FREER + SACKLER GALLERIES
CCA Canadian Centre for Architecture
USGS science for a changing world
National Museum of African Art

Contributors to Vocabularies

- Vocabulary Program conducts training workshops at the Getty and conferences
- Small staff means contributors' should be trained
- Social, but controlled, so that the result remains authoritative



CONTRIBUTING TO THE GETTY VOCABULARIES:

Entering new records via the online contribution forms

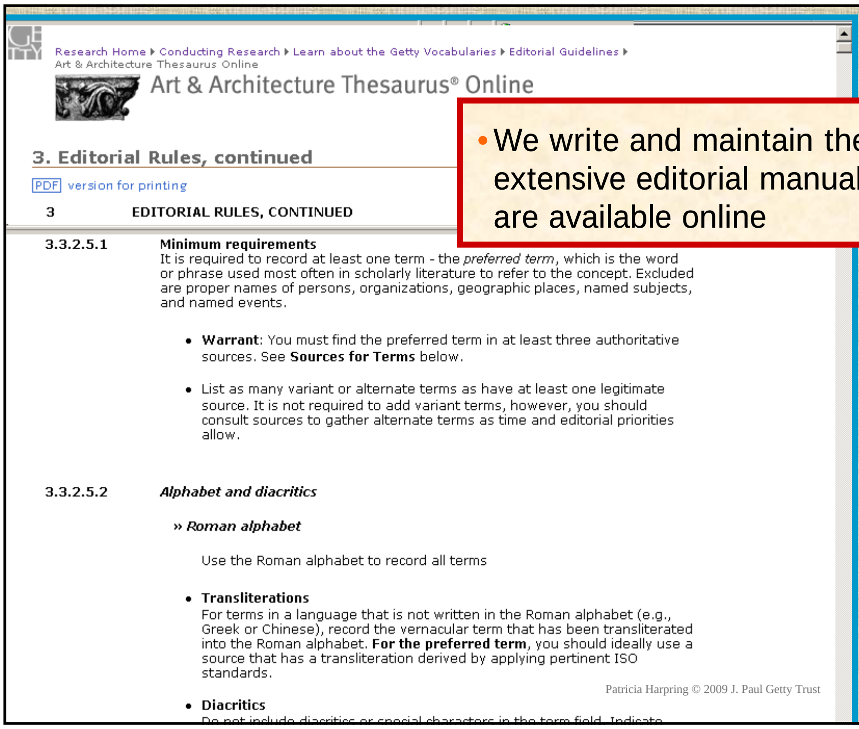
Part 1

Patricia Harpring, Managing Editor

To contribute: vocab@getty.edu

Getty Vocabulary Program

June 2007



Research Home ▸ Conducting Research ▸ Learn about the Getty Vocabularies ▸ Editorial Guidelines ▸
Art & Architecture Thesaurus Online

Art & Architecture Thesaurus® Online

3. Editorial Rules, continued

3 EDITORIAL RULES, CONTINUED

3.3.2.5.1 **Minimum requirements**

It is required to record at least one term - the *preferred term*, which is the word or phrase used most often in scholarly literature to refer to the concept. Excluded are proper names of persons, organizations, geographic places, named subjects, and named events.

- **Warrant**: You must find the preferred term in at least three authoritative sources. See **Sources for Terms** below.
- List as many variant or alternate terms as have at least one legitimate source. It is not required to add variant terms, however, you should consult sources to gather alternate terms as time and editorial priorities allow.

3.3.2.5.2 ***Alphabet and diacritics***

» *Roman alphabet*

Use the Roman alphabet to record all terms

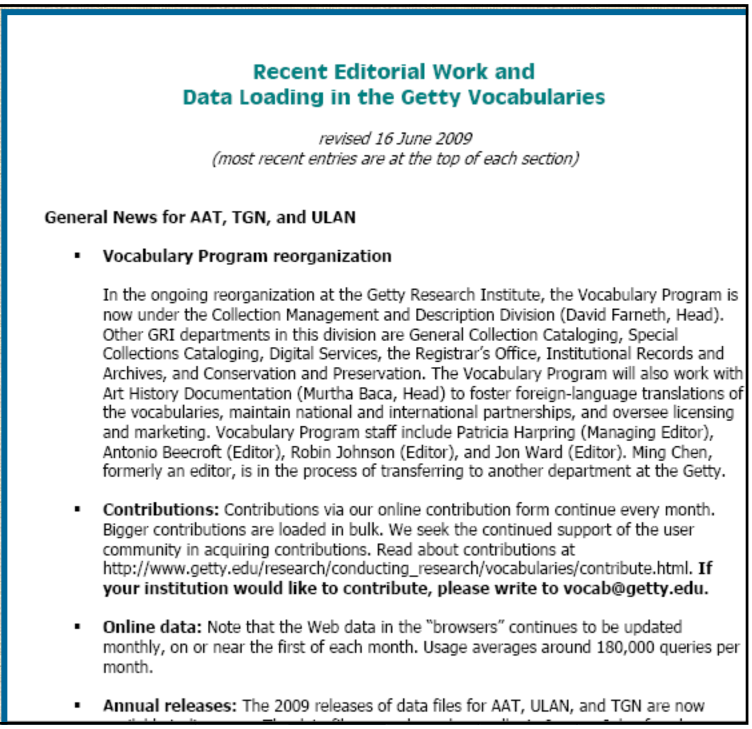
- **Transliterations**

  For terms in a language that is not written in the Roman alphabet (e.g., Greek or Chinese), record the vernacular term that has been transliterated into the Roman alphabet. **For the preferred term**, you should ideally use a source that has a transliteration derived by applying pertinent ISO standards.
- **Diacritics**

  Do not include diacritics or special characters in the term field. Indicate

- We write and maintain the extensive editorial manuals are available online

- Contributions are planned through the next several years
- For current development plans, see our "News" online (with editorial guidelines)



Recent Editorial Work and Data Loading in the Getty Vocabularies

revised 16 June 2009
(most recent entries are at the top of each section)

General News for AAT, TGN, and ULAN

- **Vocabulary Program reorganization**

  In the ongoing reorganization at the Getty Research Institute, the Vocabulary Program is now under the Collection Management and Description Division (David Farneth, Head). Other GRI departments in this division are General Collection Cataloging, Special Collections Cataloging, Digital Services, the Registrar's Office, Institutional Records and Archives, and Conservation and Preservation. The Vocabulary Program will also work with Art History Documentation (Murtha Baca, Head) to foster foreign-language translations of the vocabularies, maintain national and international partnerships, and oversee licensing and marketing. Vocabulary Program staff include Patricia Harpring (Managing Editor), Antonio Beecroft (Editor), Robin Johnson (Editor), and Jon Ward (Editor). Ming Chen, formerly an editor, is in the process of transferring to another department at the Getty.

- **Contributions:** Contributions via our online contribution form continue every month. Bigger contributions are loaded in bulk. We seek the continued support of the user community in acquiring contributions. Read about contributions at http://www.getty.edu/research/conducting_research/vocabularies/contribute.html. **If your institution would like to contribute, please write to vocab@getty.edu.**

- **Online data:** Note that the Web data in the "browsers" continues to be updated monthly, on or near the first of each month. Usage averages around 180,000 queries per month.

- **Annual releases:** The 2009 releases of data files for AAT, ULAN, and TGN are now

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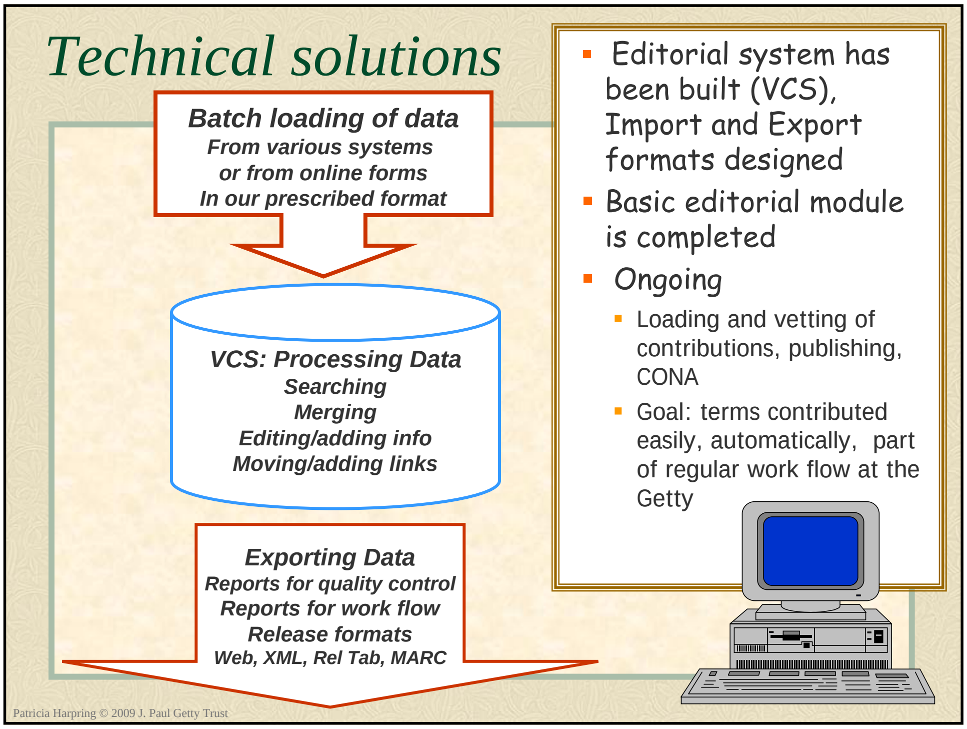
- The systems in place to allow this work were built and are maintained by a dedicated group from the Getty Information Technology Services (ITS)
- Worked on user requirements and testing in close cooperation with the Vocabulary Program



Technical solutions

Batch loading of data
From various systems
or from online forms
In our prescribed format

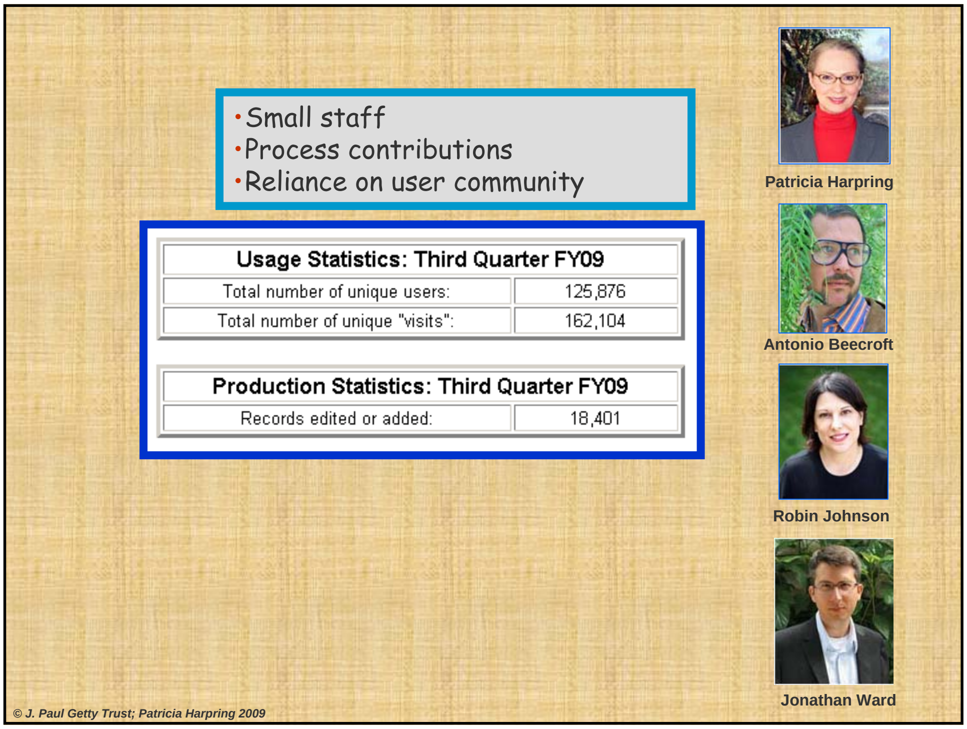
VCS: Processing Data
Searching
Merging
Editing/adding info
Moving/adding links

Exporting Data
Reports for quality control
Reports for work flow
Release formats
Web, XML, Rel Tab, MARC

- Editorial system has been built (VCS), Import and Export formats designed
- Basic editorial module is completed
- Ongoing
  - Loading and vetting of contributions, publishing, CONA
  - Goal: terms contributed easily, automatically, part of regular work flow at the Getty

Technical solutions

- **The Getty Vocabulary Program, together Getty Information Technology Services (ITS), is developing a set of Web services APIs (application programming interfaces) to enable access to the most up-to-date version of the Getty vocabulary data in real time.**
- **The APIs are in Beta testing during 2009.**

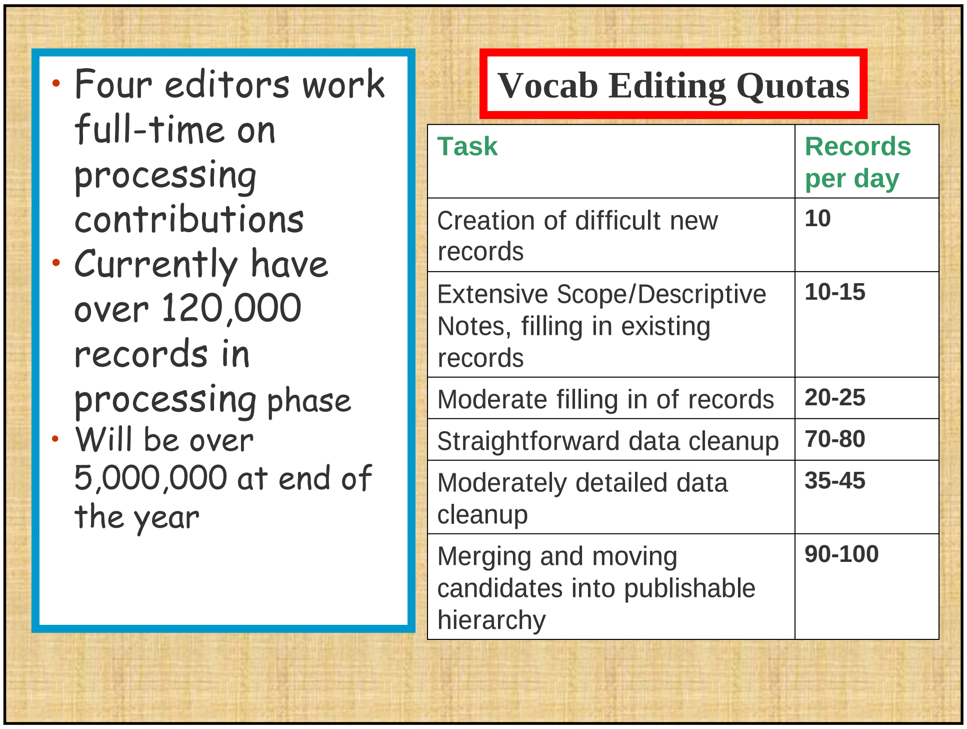


- Small staff
- Process contributions
- Reliance on user community

Usage Statistics: Third Quarter FY09	
Total number of unique users:	125,876
Total number of unique "visits":	162,104

Production Statistics: Third Quarter FY09	
Records edited or added:	18,401

Patricia Harpring
Antonio Beecroft
Robin Johnson
Jonathan Ward



- Four editors work full-time on processing contributions
- Currently have over 120,000 records in processing phase
- Will be over 5,000,000 at end of the year

Vocab Editing Quotas

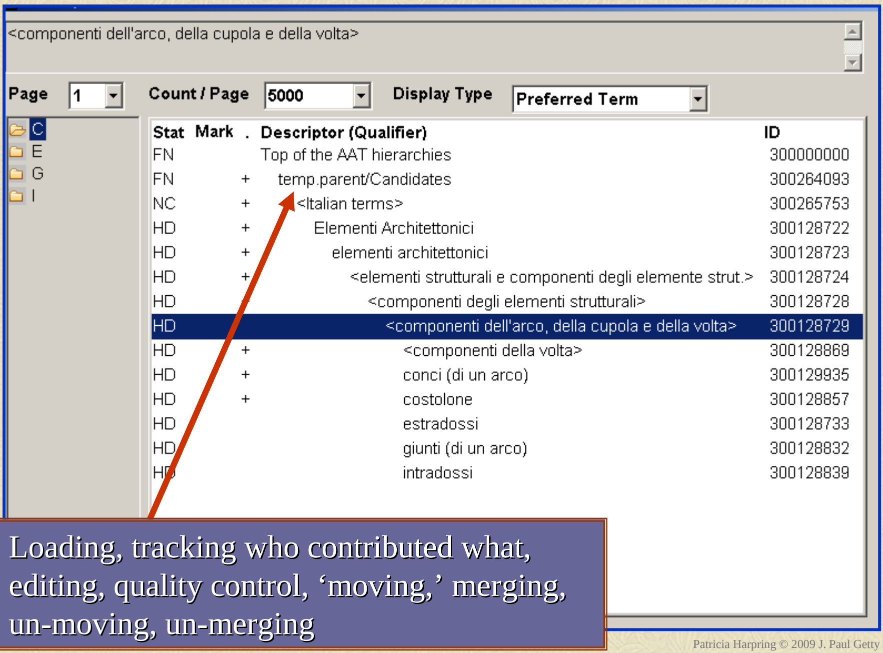
Task	Records per day
Creation of difficult new records	10
Extensive Scope/Descriptive Notes, filling in existing records	10-15
Moderate filling in of records	20-25
Straightforward data cleanup	70-80
Moderately detailed data cleanup	35-45
Merging and moving candidates into publishable hierarchy	90-100

- Priority is to process online contributions
- Set priorities for bulk loaded records (e.g., Avery)
- Editors have quotas, but greatest number possible is 10 to 100 records per week, depending upon the amount of research required for the particular task
- Every year spend 2 months preparing data for the annual licensed files release

Vocab Editing Quotas

Task	Records per day
Creation of difficult new records	**10**
Extensive Scope/Descriptive Notes, filling in existing records	**10-15**
Moderate filling in of records	**20-25**
Straightforward data cleanup	**70-80**
Moderately detailed data cleanup	**35-45**
Merging and moving candidates into publishable hierarchy	**90-100**

What do we do?



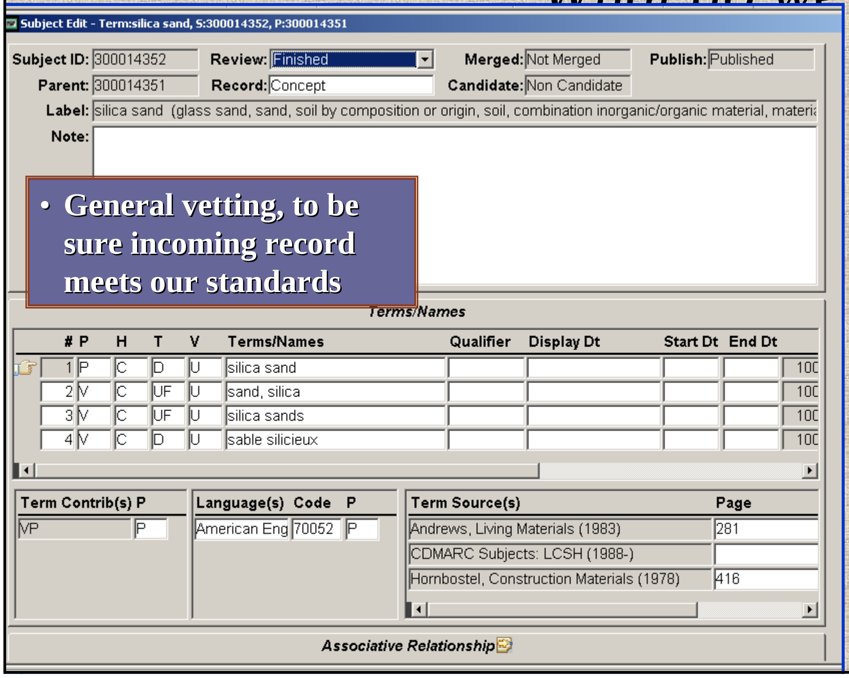
<componenti dell'arco, della cupola e della volta>

Page 1 **Count / Page** 5000 **Display Type** Preferred Term

Stat	Mark	.	Descriptor (Qualifier)	ID
FN			Top of the AAT hierarchies	300000000
FN		+	temp.parent/Candidates	300264093
NC		+	<Italian terms>	300265753
HD		+	Elementi Architettonici	300128722
HD		+	elementi architettonici	300128723
HD		+	<elementi strutturali e componenti degli elemente strut.>	300128724
HD		+	<componenti degli elementi strutturali>	300128728
HD			<componenti dell'arco, della cupola e della volta>	300128729
HD		+	<componenti della volta>	300128869
HD		+	conci (di un arco)	300129935
HD		+	costolone	300128857
HD			estradossi	300128733
HD			giunti (di un arco)	300128832
HD			intradossi	300128839

- Loading, tracking who contributed what, editing, quality control, 'moving,' merging, un-moving, un-merging

What do we do?



- General vetting, to be sure incoming record meets our standards

Subject Edit - Term:silica sand, S:300014352, P:300014351

Subject ID: 300014352 **Review:** Finished **Merged:** Not Merged **Publish:** Published

Parent: 300014351 **Record:** Concept **Candidate:** Non Candidate

Label: silica sand (glass sand, sand, soil by composition or origin, soil, combination inorganic/organic material, materi

Note:

Terms/Names

#	P	H	T	V	Terms/Names	Qualifier	Display Dt	Start Dt	End Dt	
1	P	C	D	U	silica sand					10
2	V	C	UF	U	sand, silica					10
3	V	C	UF	U	silica sands					10
4	V	C	D	U	sable silicieux					10

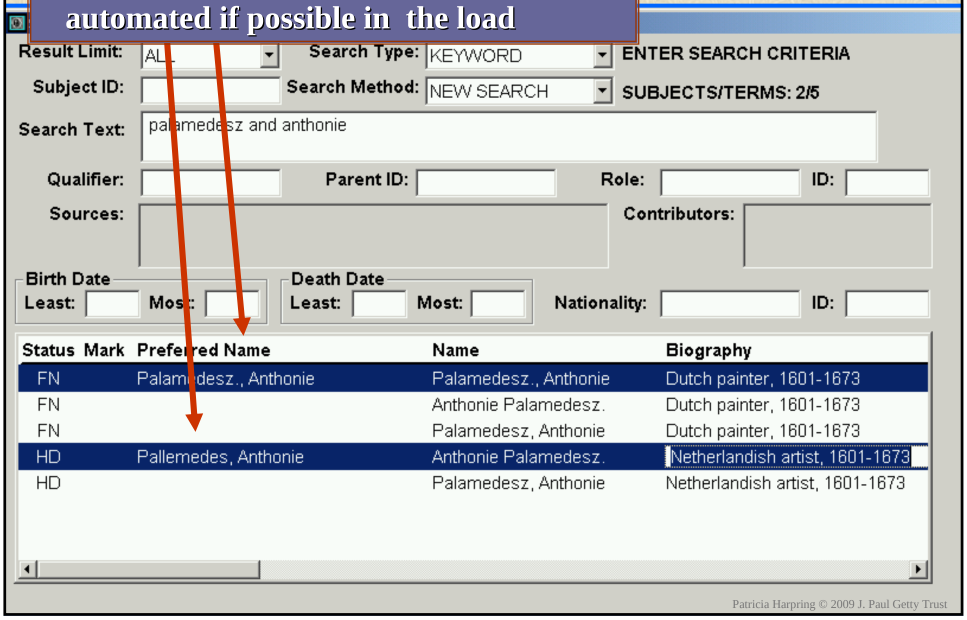
Term Contrib(s)	P
VP	P

Language(s)	Code	P
American Eng	70052	P

Term Source(s)	Page
Andrews, Living Materials (1983)	281
CDMARC Subjects: LCSH (1988-)	
Hornbostel, Construction Materials (1978)	416

Associative Relationship

What do we do?



- Merging records: for multiple records contributed for the same person; automated if possible in the load

Result Limit: ALL **Search Type:** KEYWORD ENTER SEARCH CRITERIA

Subject ID: **Search Method:** NEW SEARCH SUBJECTS/TERMS: 2/5

Search Text: palamedesz and anthonie

Qualifier: **Parent ID:** **Role:** **ID:**

Sources: **Contributors:**

Birth Date Least: Most: **Death Date** Least: Most: **Nationality:** **ID:**

Status	Mark	Preferred Name	Name	Biography
FN		Palamedesz., Anthonie	Palamedesz., Anthonie	Dutch painter, 1601-1673
FN			Anthonie Palamedesz.	Dutch painter, 1601-1673
FN			Palamedesz, Anthonie	Dutch painter, 1601-1673
HD		Pallemedes, Anthonie	Anthonie Palamedesz.	Netherlandish artist, 1601-1673
HD			Palamedesz, Anthonie	Netherlandish artist, 1601-1673

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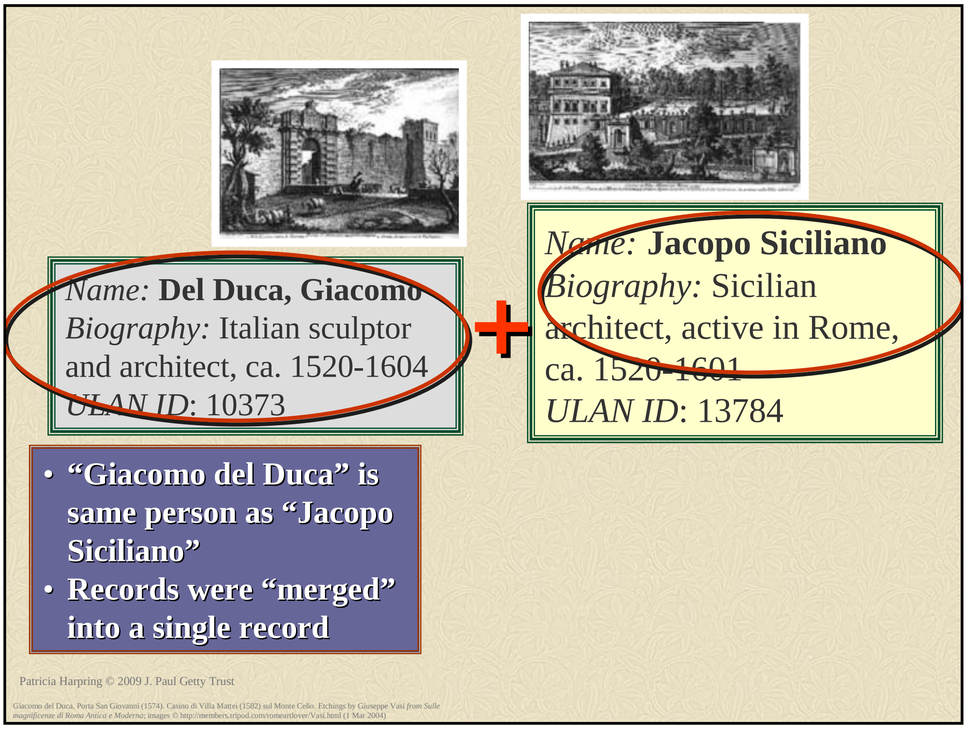


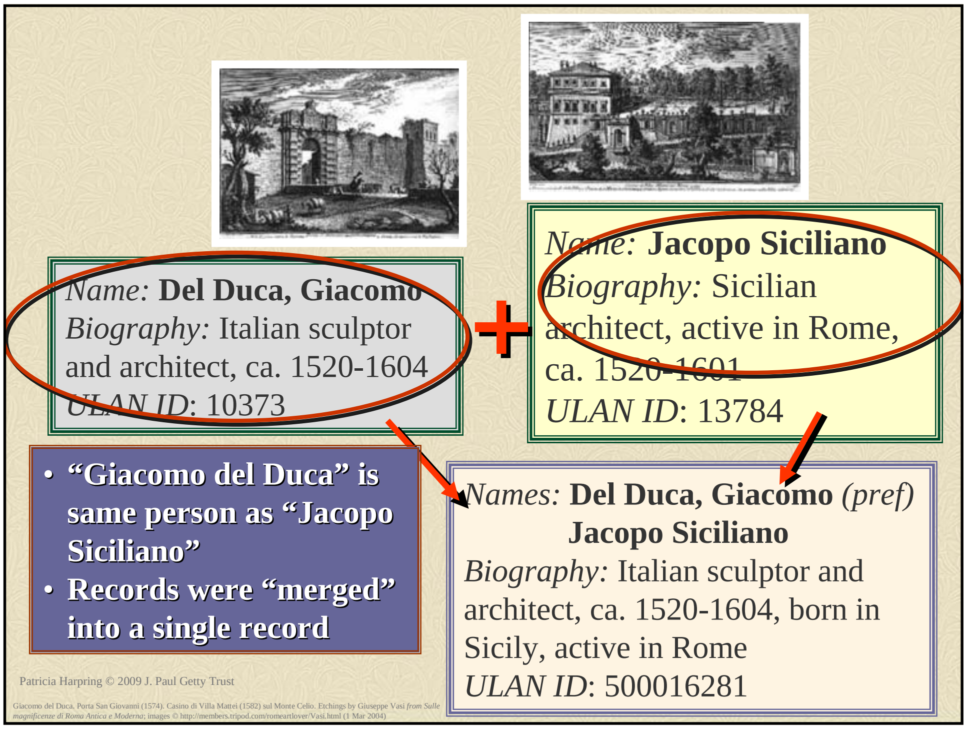
Name: **Del Duca, Giacomo**
Biography: Italian sculptor and architect, ca. 1520-1604
ULAN ID: 10373

+

Name: **Jacopo Siciliano**
Biography: Sicilian architect, active in Rome, ca. 1520-1601
ULAN ID: 13784

- **“Giacomo del Duca” is same person as “Jacopo Siciliano”**
- **Records were “merged” into a single record**

Giacomo del Duca. Porta San Giovanni (1574). Casino di Villa Mattei (1582) sul Monte Celio. Etchings by Giuseppe Vasi *from Sulle magnificenze di Roma Antica e Moderna*; images © http://members.tripod.com/romeartlover/Vasi.html (1 Mar 2004)



Name: **Del Duca, Giacomo**
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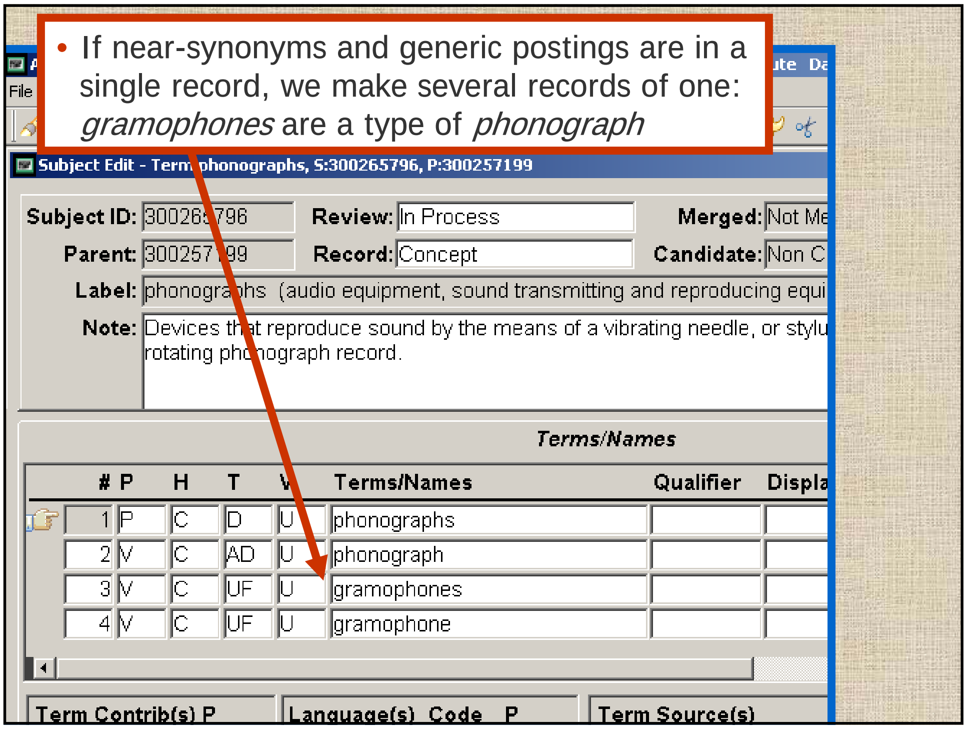
+

Name: **Jacopo Siciliano**
Biography: Sicilian architect, active in Rome, ca. 1520-1601
ULAN ID: 13784

- **“Giacomo del Duca” is same person as “Jacopo Siciliano”**
- **Records were “merged” into a single record**

Names: **Del Duca, Giacomo** *(pref)*
Jacopo Siciliano
Biography: Italian sculptor and architect, ca. 1520-1604, born in Sicily, active in Rome
ULAN ID: 500016281

Giacomo del Duca. Porta San Giovanni (1574). Casino di Villa Mattei (1582) sul Monte Celio. Etchings by Giuseppe Vasi *from Sulle magnificenze di Roma Antica e Moderna*; images © http://members.tripod.com/romeartlover/Vasi.html (1 Mar 2004)



- If near-synonyms and generic postings are in a single record, we make several records of one: *gramophones* are a type of *phonograph*

Subject Edit - Term phonographs, S:300265796, P:300257199

Subject ID:	300265796	**Review:**	In Process	**Merged:**	Not Me
Parent:	300257199	**Record:**	Concept	**Candidate:**	Non C

Label: phonographs (audio equipment, sound transmitting and reproducing equi

Note: Devices that reproduce sound by the means of a vibrating needle, or stylu rotating phonograph record.

Terms/Names

#	P	H	T	V	Terms/Names	Qualifier	Displa
1	P	C	D	U	phonographs		
2	V	C	AD	U	phonograph		
3	V	C	UF	U	gramophones		
4	V	C	UF	U	gramophone		

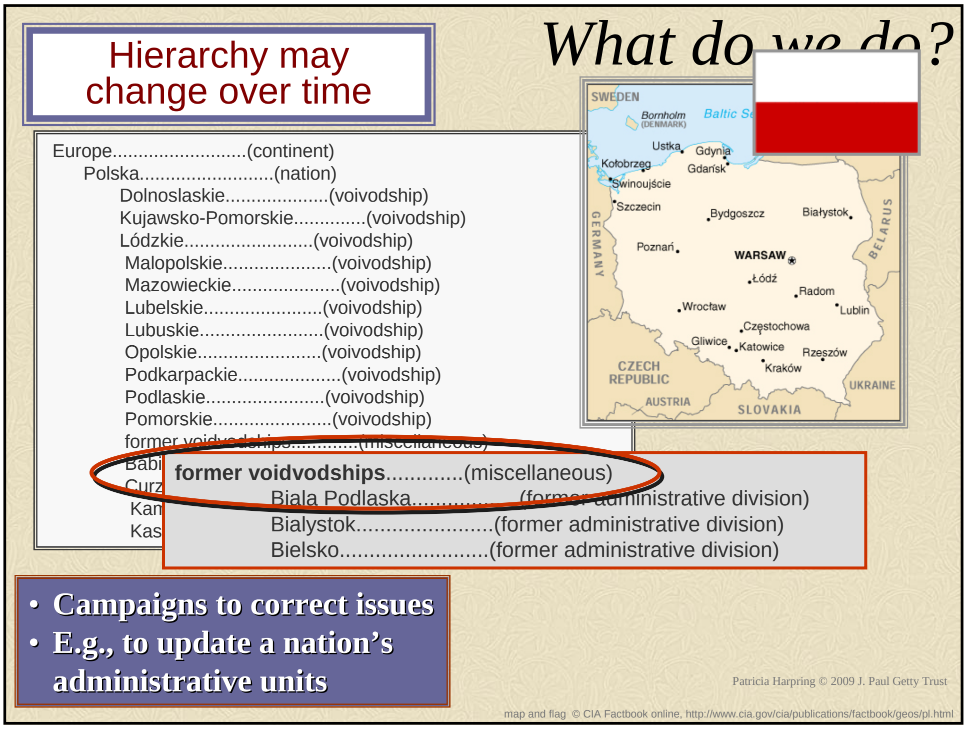
What do we do?

- Building hierarchies
- Determining parent, inserting or moving branches

.......<ancient Italian periods>
........Roman (style or period)
...............Monarchic
...................Tarquinian (Roman
...............Republican
...................Late Republican
...................Caesarian
...................Sullan
...............Imperial (Roman)
...................Early Imperial
...................Augustan
...................Julio-Claudian
.........................Tiberian
...................Flavian
...................Trajanic
...................Hadrianic
...................Antonine
...................Severan
...............Late Antique
...................Tetrarchic
...................Constantinian

new level added

Augustus Prima Porta, ca. 20 BC. Height 2.03 m.; Vatican Museums, Rome; © Vatican Museums 2004



What do we do?

Hierarchy may change over time

Europe..........................(continent)
    Polska.........................(nation)
        Dolnoslaskie...................(voivodship)
        Kujawsko-Pomorskie.............(voivodship)
        Lódzkie........................(voivodship)
        Malopolskie....................(voivodship)
        Mazowieckie....................(voivodship)
        Lubelskie......................(voivodship)
        Lubuskie.......................(voivodship)
        Opolskie.......................(voivodship)
        Podkarpackie...................(voivodship)
        Podlaskie......................(voivodship)
        Pomorskie......................(voivodship)
        former voidvodships............(miscellaneous)
        Babi
        Curz
        Kam
        Kas

former voidvodships............(miscellaneous)
    Biala Podlaska...............(former administrative division)
    Bialystok......................(former administrative division)
    Bielsko........................(former administrative division)

SWEDEN
Bornholm (DENMARK)
Baltic Se
Ustka
Gdynia
Gdańsk
Kołobrzeg
Świnoujście
Szczecin
Bydgoszcz
Białystok
GERMANY
BELARUS
Poznań
WARSAW
Łódź
Radom
Wrocław
Lublin
Częstochowa
Gliwice
Katowice
Rzeszów
Kraków
CZECH REPUBLIC
UKRAINE
AUSTRIA
SLOVAKIA

- **Campaigns to correct issues**
- **E.g., to update a nation's administrative units**

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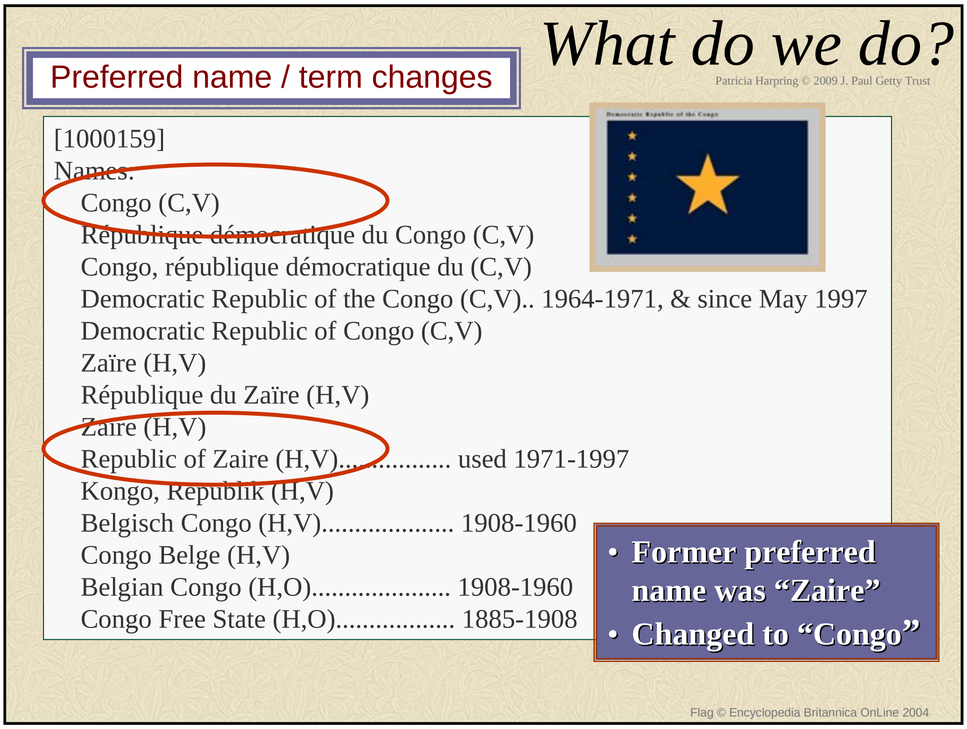
map and flag © CIA Factbook online, http://www.cia.gov/cia/publications/factbook/geos/pl.html



What do we do?

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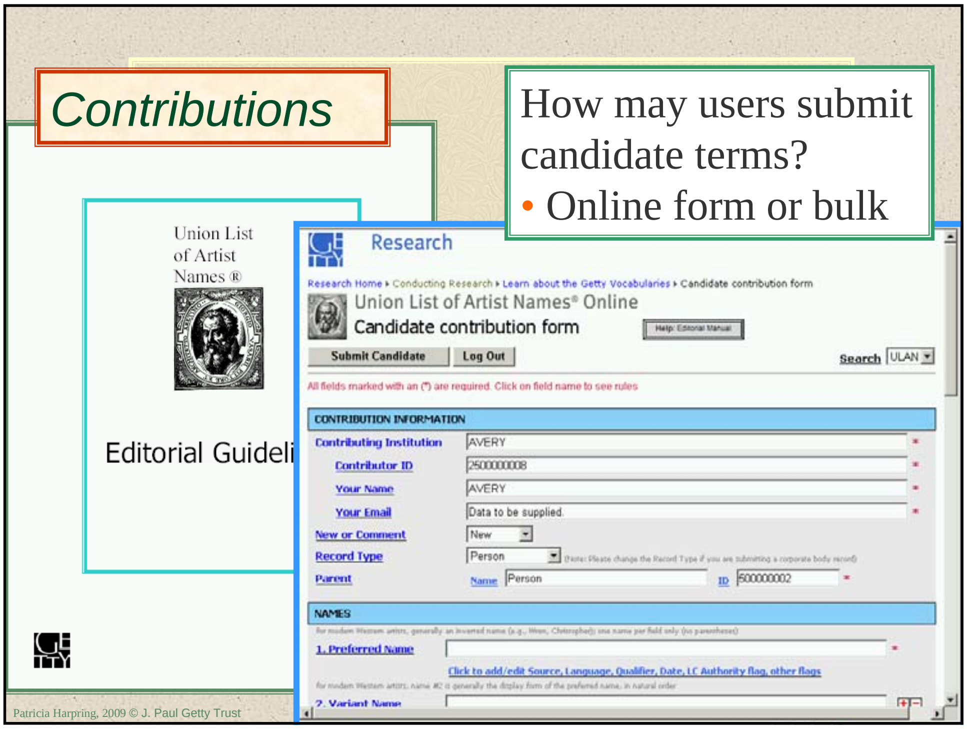
Preferred name / term changes

[1000159]
Names:
    Congo (C,V)
    République démocratique du Congo (C,V)
    Congo, république démocratique du (C,V)
    Democratic Republic of the Congo (C,V).. 1964-1971, & since May 1997
    Democratic Republic of Congo (C,V)
    Zaïre (H,V)
    République du Zaïre (H,V)
    Zaire (H,V)
    Republic of Zaire (H,V)................. used 1971-1997
    Kongo, Republik (H,V)
    Belgisch Congo (H,V)................... 1908-1960
    Congo Belge (H,V)
    Belgian Congo (H,O).................... 1908-1960
    Congo Free State (H,O)................. 1885-1908

Democratic Republic of the Congo

- **Former preferred name was "Zaire"**
- **Changed to "Congo"**

Flag © Encyclopedia Britannica OnLine 2004



Contributions

How may users submit candidate terms?

- Online form or bulk

Union List
of Artist
Names ®

Editorial Guideli

Research

Research Home ▸ Conducting Research ▸ Learn about the Getty Vocabularies ▸ Candidate contribution form

Union List of Artist Names® Online

Candidate contribution form

All fields marked with an (*) are required. Click on field name to see rules

CONTRIBUTION INFORMATION

Contributing Institution	AVERY *
Contributor ID	2500000008 *
Your Name	AVERY *
Your Email	Data to be supplied. *
New or Comment	New
Record Type	Person (Note: Please change the Record Type if you are submitting a corporate body record)
Parent	Name Person ID 500000002 *

NAMES

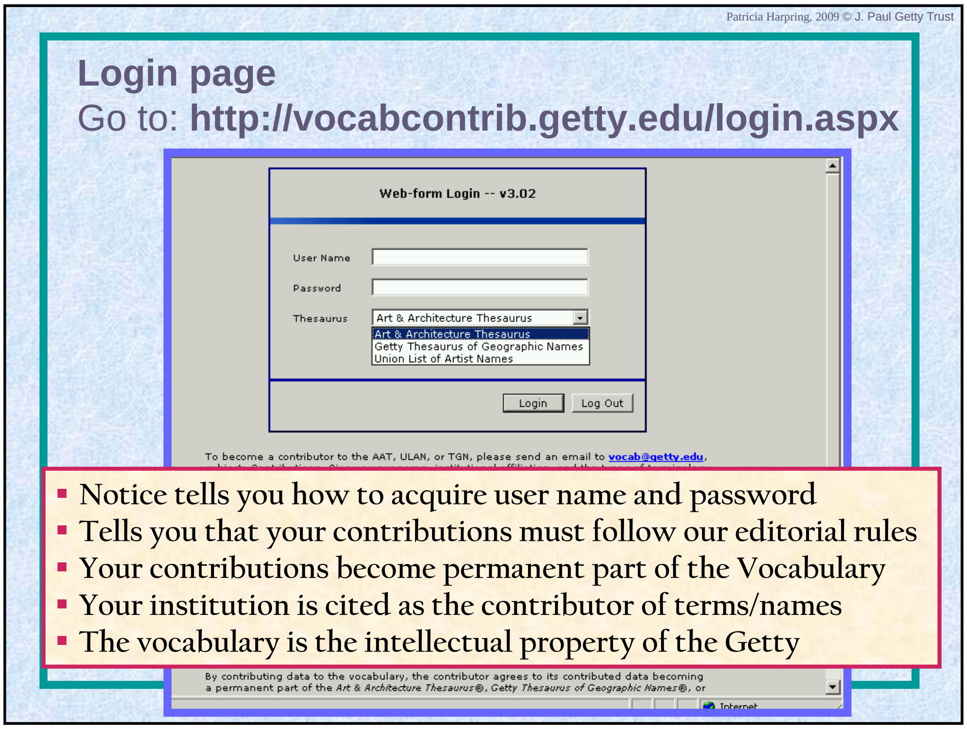
for modern Western artists, generally an inverted name (e.g., Wren, Christopher); one name per field only (no parentheses)

1. Preferred Name *

Click to add/edit Source, Language, Qualifier, Date, LC Authority flag, other flags

for modern Western artists, name #2 is generally the display form of the preferred name, in natural order

2. Variant Name



Login page

Go to: **http://vocabcontrib.getty.edu/login.aspx**

Web-form Login -- v3.02

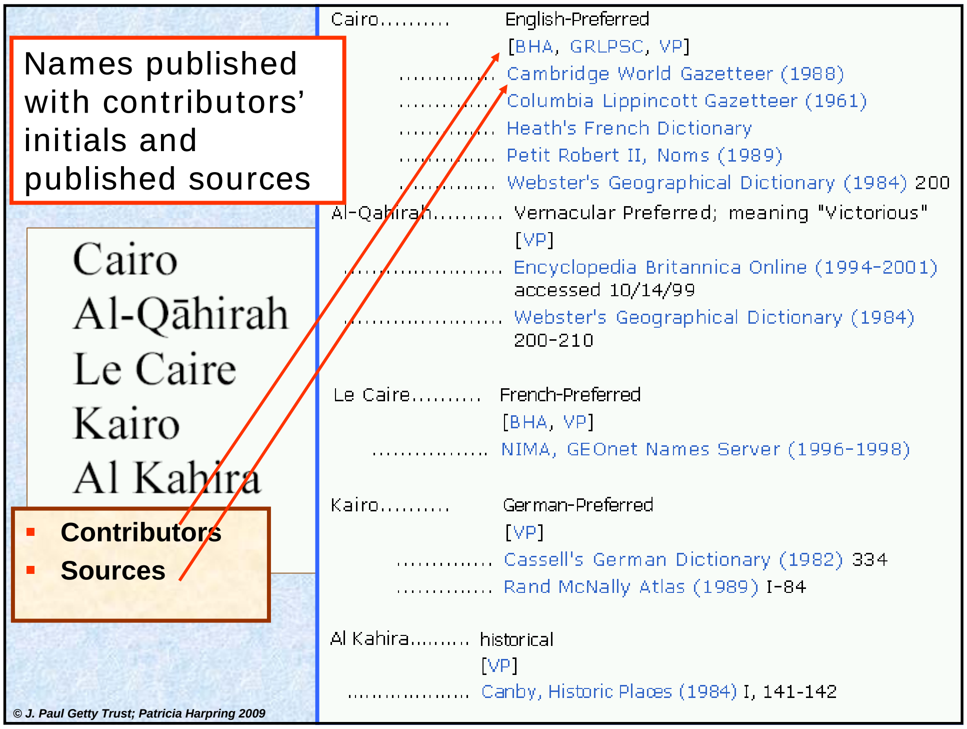
User Name	
Password	
Thesaurus	Art & Architecture Thesaurus

Art & Architecture Thesaurus
Getty Thesaurus of Geographic Names
Union List of Artist Names
Login
Log Out

To become a contributor to the AAT, ULAN, or TGN, please send an email to vocab@getty.edu,

- Notice tells you how to acquire user name and password
- Tells you that your contributions must follow our editorial rules
- Your contributions become permanent part of the Vocabulary
- Your institution is cited as the contributor of terms/names
- The vocabulary is the intellectual property of the Getty

By contributing data to the vocabulary, the contributor agrees to its contributed data becoming a permanent part of the *Art & Architecture Thesaurus*®, *Getty Thesaurus of Geographic Names*®, or



Names published with contributors' initials and published sources

Cairo
Al-Qāhirah
Le Caire
Kairo
Al Kahira

- Contributors
- Sources

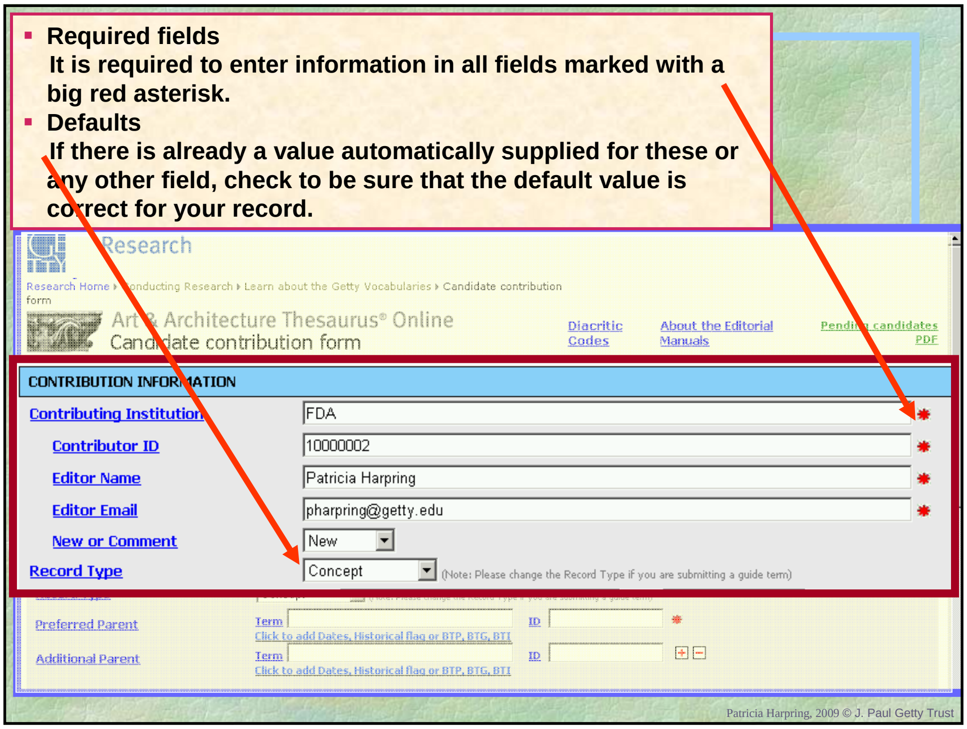
Cairo.......... English-Preferred
[BHA, GRLPSC, VP]
.... Cambridge World Gazetteer (1988)
.... Columbia Lippincott Gazetteer (1961)
.... Heath's French Dictionary
.... Petit Robert II, Noms (1989)
.... Webster's Geographical Dictionary (1984) 200

Al-Qahirah.......... Vernacular Preferred; meaning "Victorious"
[VP]
.... Encyclopedia Britannica Online (1994-2001) accessed 10/14/99
.... Webster's Geographical Dictionary (1984) 200-210

Le Caire.......... French-Preferred
[BHA, VP]
.... NIMA, GEOnet Names Server (1996-1998)

Kairo.......... German-Preferred
[VP]
.... Cassell's German Dictionary (1982) 334
.... Rand McNally Atlas (1989) I-84

Al Kahira.......... historical
[VP]
.... Canby, Historic Places (1984) I, 141-142



- Required fields
  It is required to enter information in all fields marked with a big red asterisk.
- Defaults
  If there is already a value automatically supplied for these or any other field, check to be sure that the default value is correct for your record.

Research

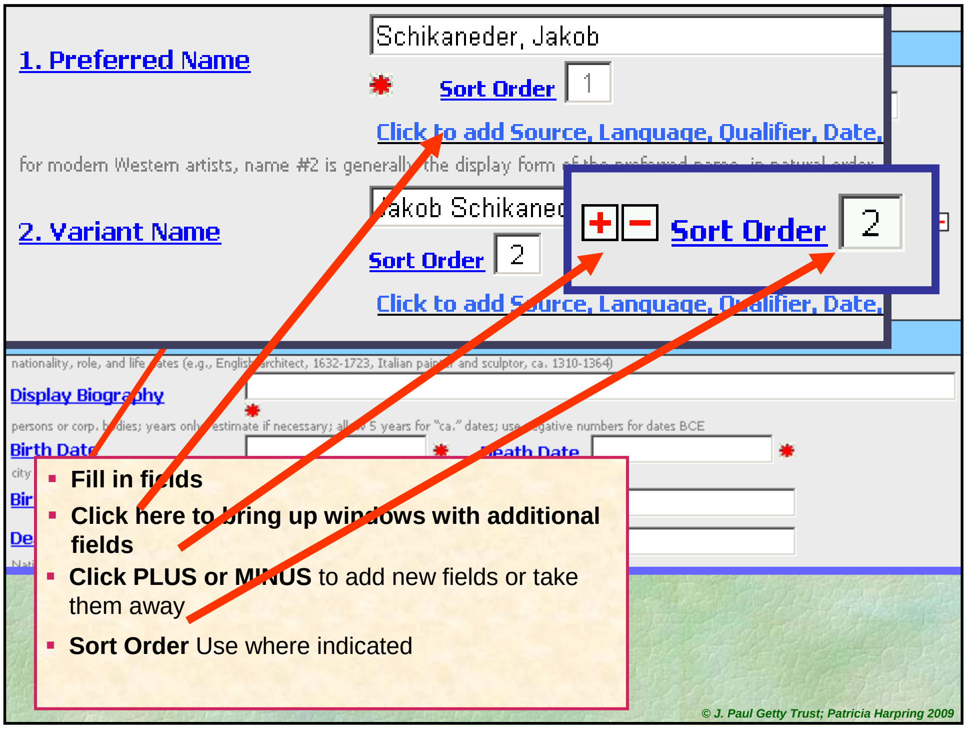
Research Home › Conducting Research › Learn about the Getty Vocabularies › Candidate contribution form

Art & Architecture Thesaurus® Online
Candidate contribution form

CONTRIBUTION INFORMATION

Contributing Institution	FDA *
Contributor ID	10000002 *
Editor Name	Patricia Harpring *
Editor Email	pharpring@getty.edu *
New or Comment	New
Record Type	Concept (Note: Please change the Record Type if you are submitting a guide term)
Preferred Parent	Term ID *
Additional Parent	Term ID

Click to add Dates, Historical flag or BTP, BTG, BTI
Click to add Dates, Historical flag or BTP, BTG, BTI



1. Preferred Name: Schikaneder, Jakob

Sort Order: 1

2. Variant Name: Jakob Schikaned

Sort Order: 2

Click to add Source, Language, Qualifier, Date,
for modern Western artists, name #2 is generally the display form of the preferred name, in natural order
Sort Order 2
Click to add Source, Language, Qualifier, Date,
nationality, role, and life dates (e.g., English architect, 1632-1723, Italian painter and sculptor, ca. 1310-1364)
Display Biography
persons or corp. bodies; years only; estimate if necessary; allow 5 years for "ca." dates; use negative numbers for dates BCE
Birth Date
Death Date
city
Bir
De

- **Fill in fields**
- **Click here to bring up windows with additional fields**
- **Click PLUS or MINUS** to add new fields or take them away
- **Sort Order** Use where indicated

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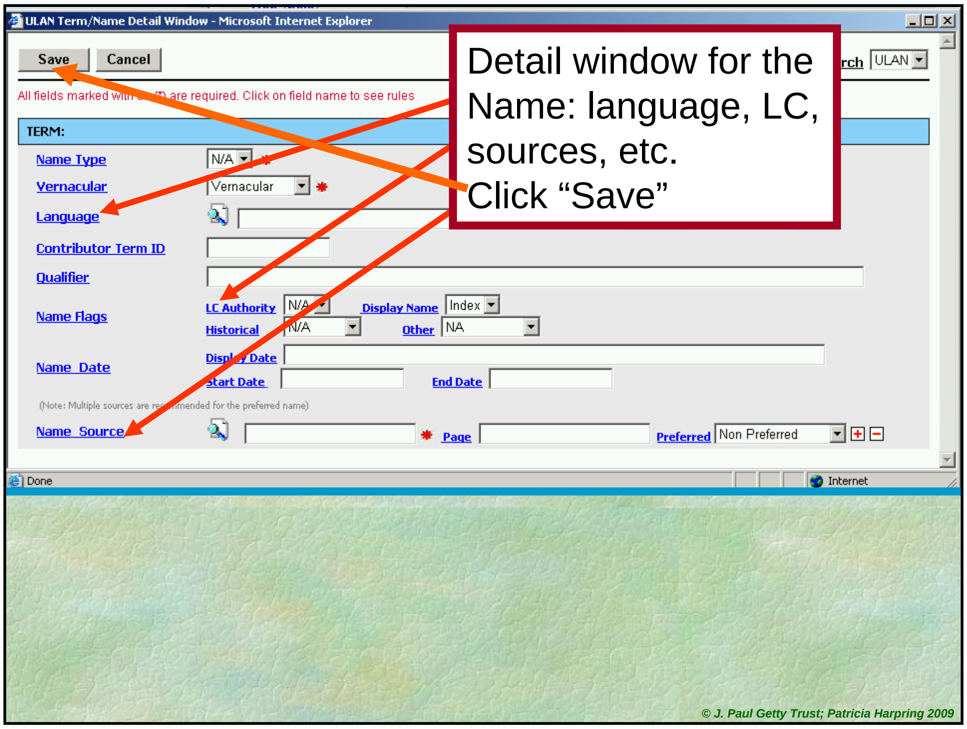

ULAN Term/Name Detail Window - Microsoft Internet Explorer
Save
Cancel
rch
ULAN

All fields marked with a (*) are required. Click on field name to see rules

TERM:

Name Type: N/A

Vernacular: Vernacular

Language:

Contributor Term ID:

Qualifier:

Name Flags: LC Authority N/A; Display Name Index; Historical N/A; Other NA

Name Date: Display Date; Start Date; End Date

(Note: Multiple sources are recommended for the preferred name)

Name Source: Page; Preferred Non Preferred

Done
Internet

Detail window for the Name: language, LC, sources, etc.

Click “Save”

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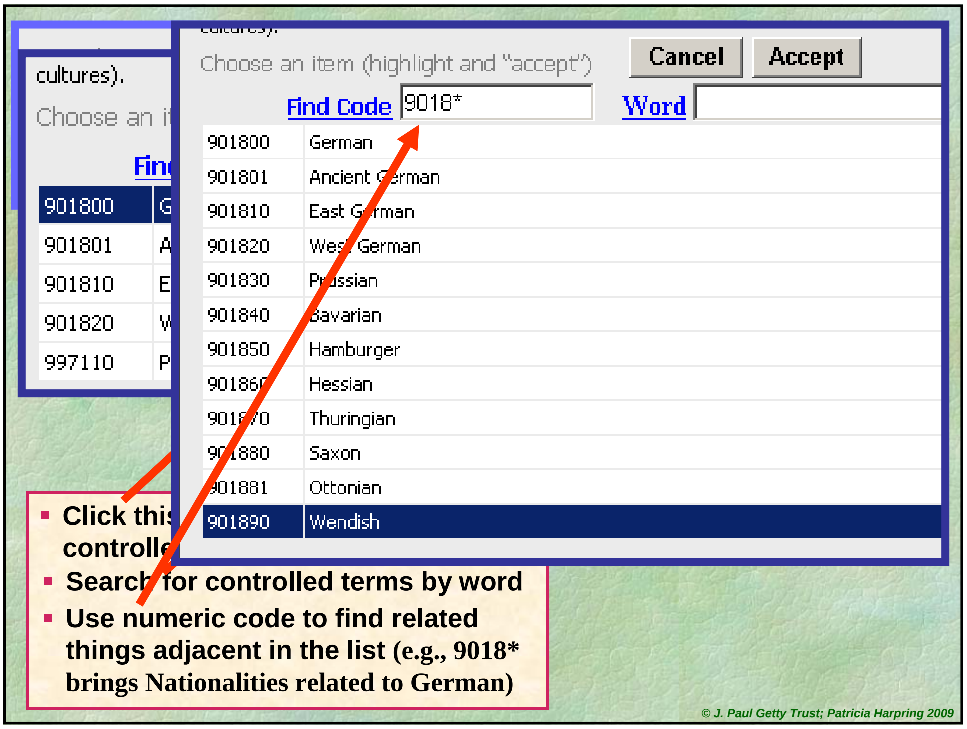

cultures).

Choose an item (highlight and "accept")

9018*

901800	German
901801	Ancient German
901810	East German
901820	West German
901830	Prussian
901840	Bavarian
901850	Hamburger
901860	Hessian
901870	Thuringian
901880	Saxon
901881	Ottonian
901890	Wendish

- Click this controlle
- Search for controlled terms by word
- Use numeric code to find related things adjacent in the list (e.g., 9018* brings Nationalities related to German)

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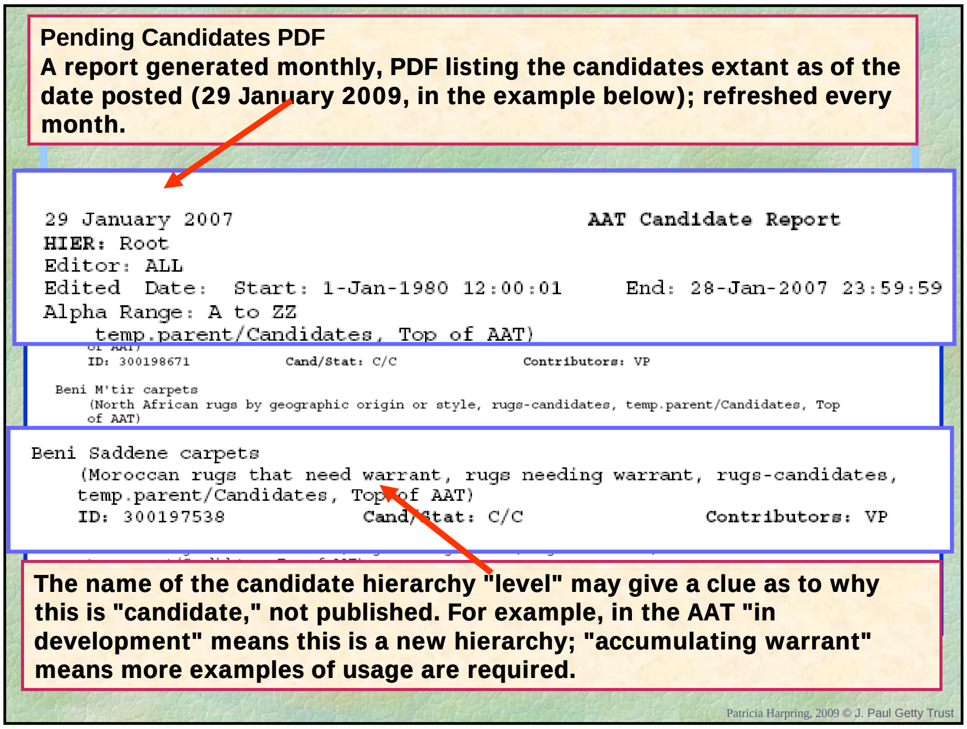


Pending Candidates PDF

A report generated monthly, PDF listing the candidates extant as of the date posted (29 January 2009, in the example below); refreshed every month.

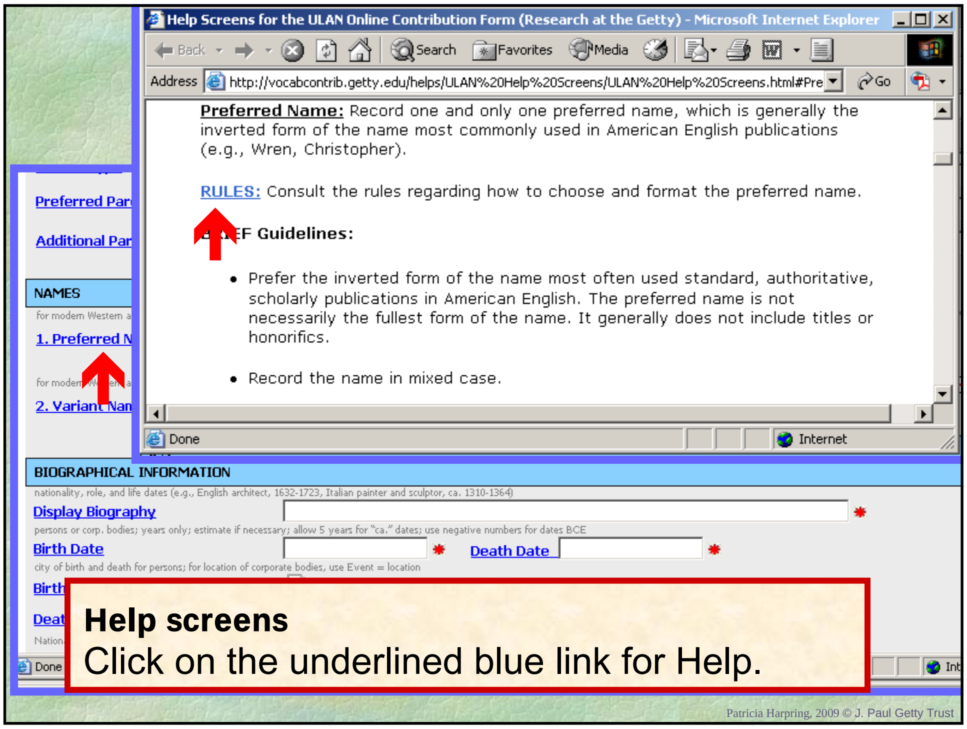
```
29 January 2007                            AAT Candidate Report
HIER: Root
Editor: ALL
Edited  Date:  Start: 1-Jan-1980 12:00:01     End: 28-Jan-2007 23:59:59
Alpha Range: A to ZZ
    temp.parent/Candidates, Top of AAT)
    of AAT)
    ID: 300198671          Cand/Stat: C/C          Contributors: VP

Beni M'tir carpets
    (North African rugs by geographic origin or style, rugs-candidates, temp.parent/Candidates, Top
    of AAT)

Beni Saddene carpets
    (Moroccan rugs that need warrant, rugs needing warrant, rugs-candidates,
    temp.parent/Candidates, Top of AAT)
    ID: 300197538          Cand/Stat: C/C          Contributors: VP
```

The name of the candidate hierarchy "level" may give a clue as to why this is "candidate," not published. For example, in the AAT "in development" means this is a new hierarchy; "accumulating warrant" means more examples of usage are required.

Patricia Harpring, 2009 © J. Paul Getty Trust


Help Screens for the ULAN Online Contribution Form (Research at the Getty) - Microsoft Internet Explorer
Back
Search
Favorites
Media
Address
http://vocabcontrib.getty.edu/helps/ULAN%20Help%20Screens/ULAN%20Help%20Screens.html#Pre
Go
Done
Internet
Preferred Par
Additional Par
NAMES
1. Preferred N
2. Variant Nan

Preferred Name: Record one and only one preferred name, which is generally the inverted form of the name most commonly used in American English publications (e.g., Wren, Christopher).

RULES: Consult the rules regarding how to choose and format the preferred name.

BRIEF Guidelines:

- Prefer the inverted form of the name most often used standard, authoritative, scholarly publications in American English. The preferred name is not necessarily the fullest form of the name. It generally does not include titles or honorifics.
- Record the name in mixed case.

BIOGRAPHICAL INFORMATION

nationality, role, and life dates (e.g., English architect, 1632-1723, Italian painter and sculptor, ca. 1310-1364)

Display Biography

persons or corp. bodies; years only; estimate if necessary; allow 5 years for "ca." dates; use negative numbers for dates BCE

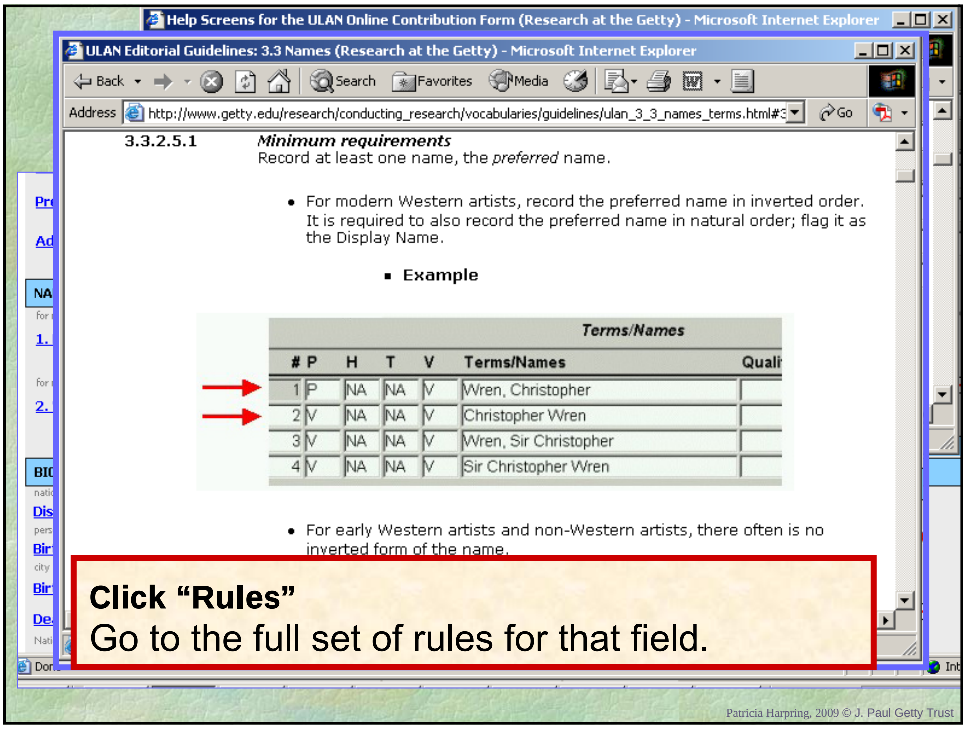
Birth Date

Death Date

city of birth and death for persons; for location of corporate bodies, use Event = location

Help screens
Click on the underlined blue link for Help.

Patricia Harpring, 2009 © J. Paul Getty Trust


Help Screens for the ULAN Online Contribution Form (Research at the Getty) - Microsoft Internet Explorer
ULAN Editorial Guidelines: 3.3 Names (Research at the Getty) - Microsoft Internet Explorer
Back
Search
Favorites
Media
Address
http://www.getty.edu/research/conducting_research/vocabularies/guidelines/ulan_3_3_names_terms.html#3
Go

3.3.2.5.1 *Minimum requirements*
Record at least one name, the *preferred* name.

- For modern Western artists, record the preferred name in inverted order. It is required to also record the preferred name in natural order; flag it as the Display Name.
  - **Example**

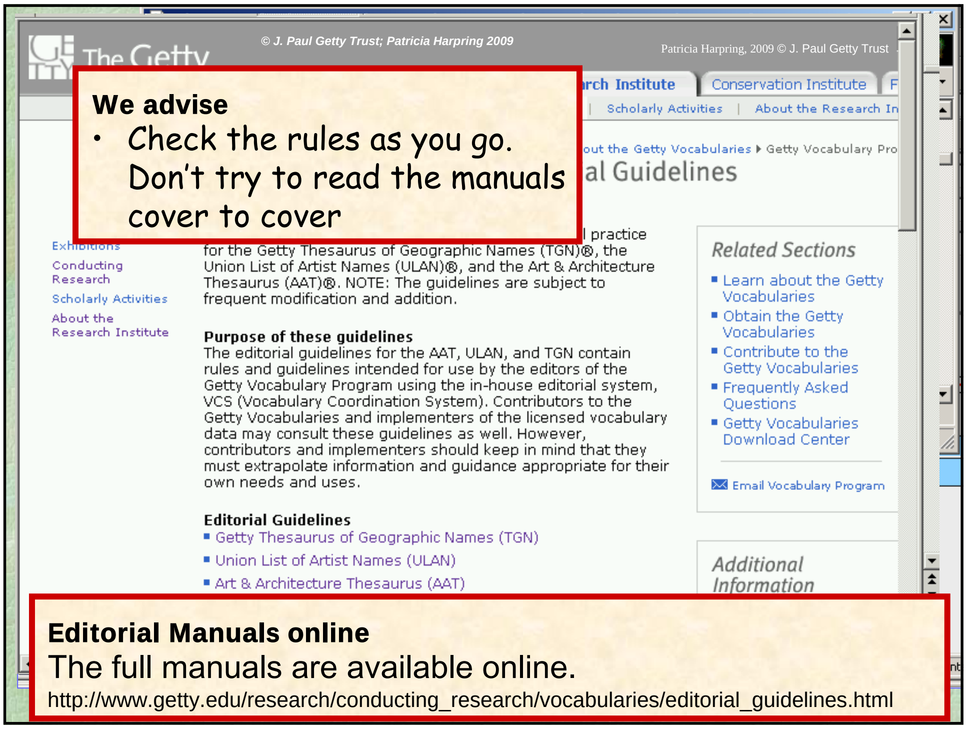
Terms/Names

#	P	H	T	V	Terms/Names	Quali
1	P	NA	NA	V	Wren, Christopher	
2	V	NA	NA	V	Christopher Wren	
3	V	NA	NA	V	Wren, Sir Christopher	
4	V	NA	NA	V	Sir Christopher Wren	

- For early Western artists and non-Western artists, there often is no inverted form of the name.

Click "Rules"
Go to the full set of rules for that field.

Patricia Harpring, 2009 © J. Paul Getty Trust


© J. Paul Getty Trust; Patricia Harpring 2009
Patricia Harpring, 2009 © J. Paul Getty Trust
The Getty
rch Institute
Conservation Institute
F
Scholarly Activities
About the Research In
out the Getty Vocabularies
Getty Vocabulary Pro
al Guidelines
Exhibitions
Conducting Research
Scholarly Activities
About the Research Institute
Related Sections
Learn about the Getty Vocabularies
Obtain the Getty Vocabularies
Contribute to the Getty Vocabularies
Frequently Asked Questions
Getty Vocabularies Download Center
Email Vocabulary Program
Additional Information

We advise

- Check the rules as you go. Don't try to read the manuals cover to cover

l practice for the Getty Thesaurus of Geographic Names (TGN)®, the Union List of Artist Names (ULAN)®, and the Art & Architecture Thesaurus (AAT)®. NOTE: The guidelines are subject to frequent modification and addition.

Purpose of these guidelines

The editorial guidelines for the AAT, ULAN, and TGN contain rules and guidelines intended for use by the editors of the Getty Vocabulary Program using the in-house editorial system, VCS (Vocabulary Coordination System). Contributors to the Getty Vocabularies and implementers of the licensed vocabulary data may consult these guidelines as well. However, contributors and implementers should keep in mind that they must extrapolate information and guidance appropriate for their own needs and uses.

Editorial Guidelines

- Getty Thesaurus of Geographic Names (TGN)
- Union List of Artist Names (ULAN)
- Art & Architecture Thesaurus (AAT)

Editorial Manuals online

The full manuals are available online.

http://www.getty.edu/research/conducting_research/vocabularies/editorial_guidelines.html

Multilingual AAT terms:

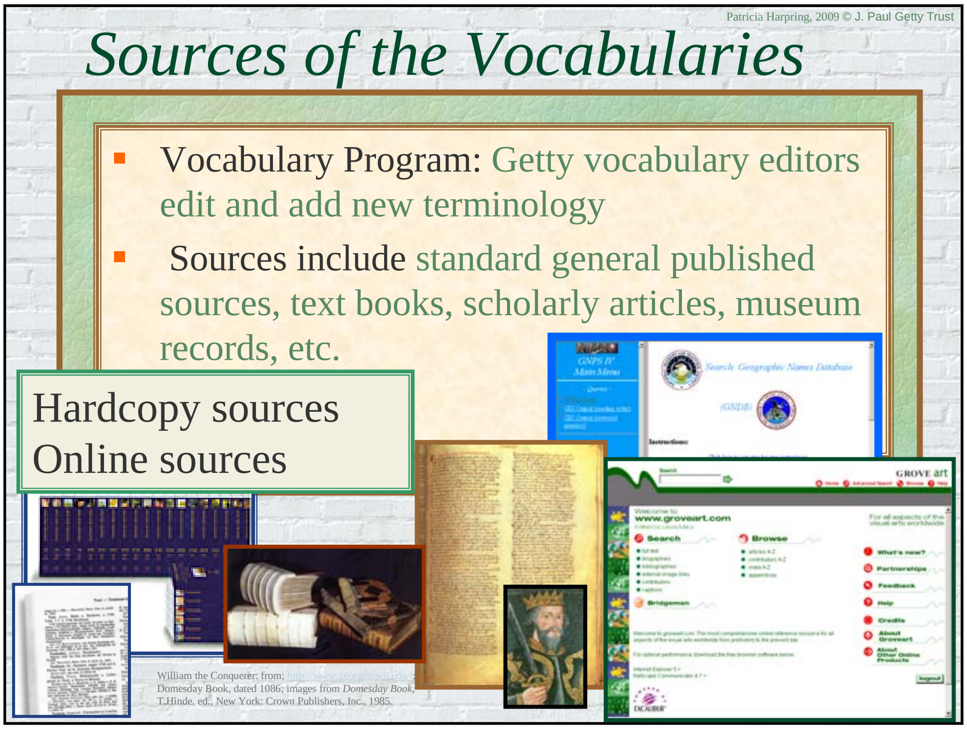
- We have received a complete translation of the AAT in Spanish from Centro de Documentación de Bienes Patrimoniales, Chile. The data will be loaded and integrated beginning in August or September 2009.
- A Chinese translation is underway by the National Digital Archives Program, Taiwan.
- A German translation is being undertaken by the Institut für Museumsforschung in Berlin.
- The Rijksbureau voor Kunsthistorische Documentatie is scheduled to deliver a full Dutch translation of the AAT later in 2009. They are also hoping to begin contributing new terms to the AAT this year.
- We are in the process of integrating around 3,000 Italian object type terms from ICCD, Rome, which were contributed several years ago.
- The full set of 3,000 French terms from CHIN has been fully integrated.

Quality Control

Automatic construction of vocab? No.

- users require exact synonyms and relationships, close is not good enough
- much merging and constructing hierarchies is done by hand, in order to ensure accuracy and correct placement within the logic of the thesaurus
- some automatic merging of exact matches is possible based on strict criteria

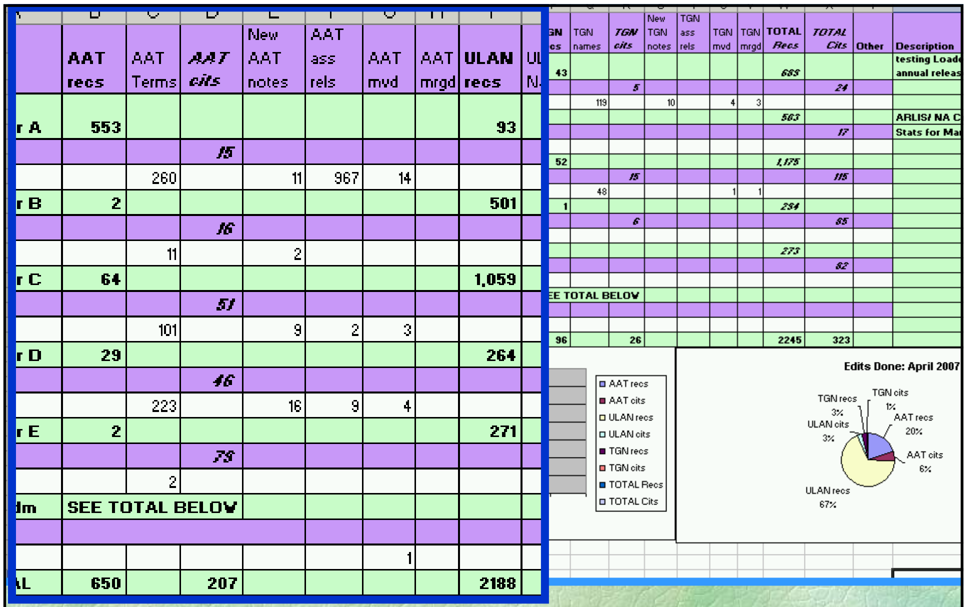
Sources of the Vocabularies



- Vocabulary Program: Getty vocabulary editors edit and add new terminology
- Sources include standard general published sources, text books, scholarly articles, museum records, etc.

Hardcopy sources
Online sources

William the Conquerer: from; http://www.georgetown.edu/l;
Domesday Book, dated 1086; images from *Domesday Book*,
T.Hinde, ed., New York: Crown Publishers, Inc., 1985.



	AAT recs	AAT Terms	*AAT cits*	New AAT notes	AAT ass rels	AAT mvd	AAT mrgd	ULAN recs	UL N.
r A	553							93	
			15						
		260		11	967	14			
r B	2							501	
			16						
		11		2					
r C	64							1,059	
			51						
		101		9	2	3			
r D	29							264	
			46						
		223		16	9	4			
r E	2							271	
			73						
		2							
dm	SEE TOTAL BELOW								
						1			
AL	650		207					2188	

GN cs	TGN names	*TGN cits*	New TGN notes	TGN ass rels	TGN mvd	TGN mrgd	TOTAL *Recs*	*TOTAL Cits*	Other	Description
43							*688*			testing Loade annual releas
		5						*24*		
	119		10		4	3				
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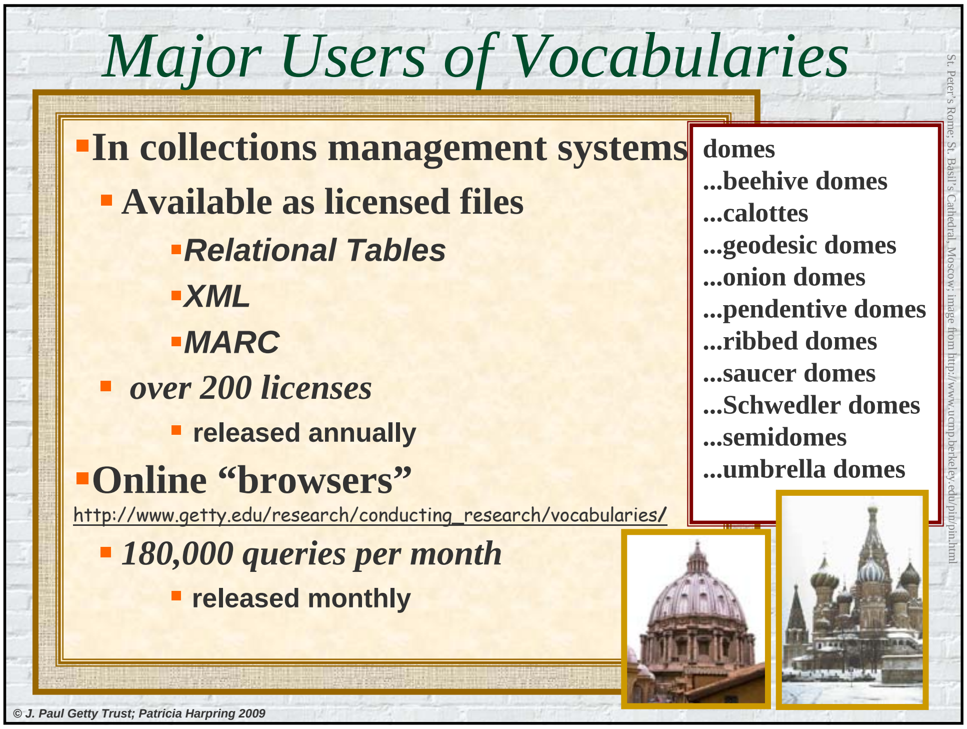
								17		Stats for Ma
52							*1,175*			
		15						*115*		
	48				1	1				
1							*284*			
		6						*85*		
							273			
								82		
EE TOTAL BELOW										
96		26					2245	323		

Edits Done: April 2007
AAT recs
AAT cits
ULAN recs
ULAN cits
TGN recs
TGN cits
TOTAL Recs
TOTAL Cits
TGN cits 1%
TGN recs 3%
ULAN cits 3%
AAT recs 20%
AAT cits 6%
ULAN recs 67%

- *Hundreds or thousands of records are added or edited each month*
- *Candidates are published on Contribution Forms*
- *Approved records are published to the online data and licensed files*

Using Vocabularies for Cataloging



Major Users of Vocabularies

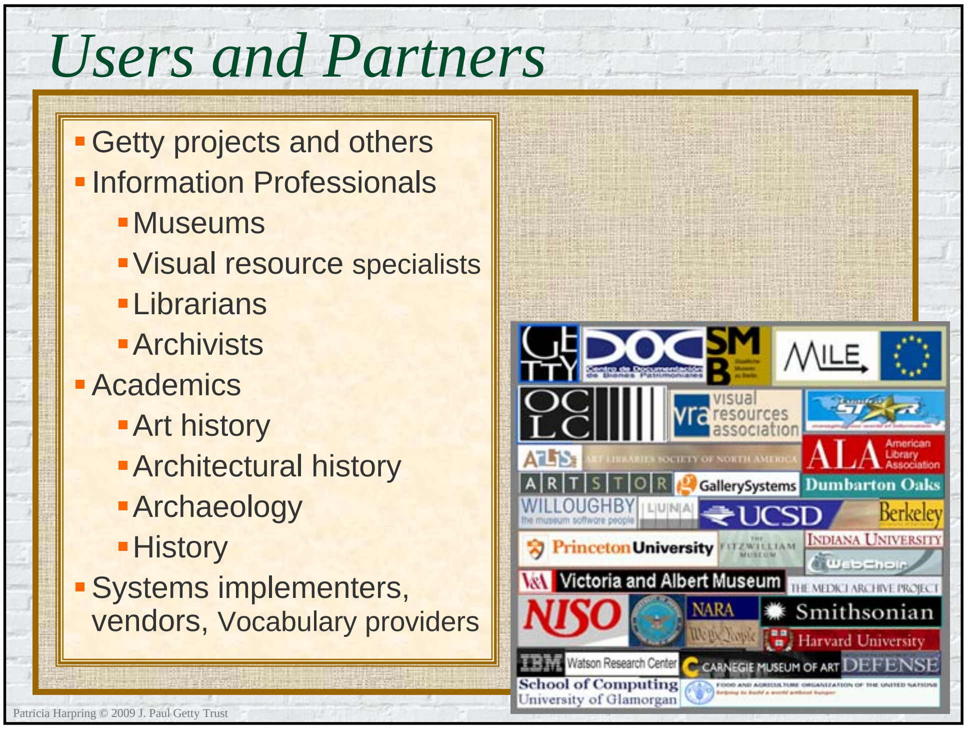
- **In collections management systems**
  - **Available as licensed files**
    - ***Relational Tables***
    - ***XML***
    - ***MARC***
  - ***over 200 licenses***
    - **released annually**
- **Online "browsers"**

http://www.getty.edu/research/conducting_research/vocabularies/

  - ***180,000 queries per month***
    - **released monthly**

domes
...beehive domes
...calottes
...geodesic domes
...onion domes
...pendentive domes
...ribbed domes
...saucer domes
...Schwedler domes
...semidomes
...umbrella domes

St. Peter's Rome; St. Basil's Cathedral, Moscow; image from http://www.ucmp.berkeley.edu/pin/pin.html



Users and Partners

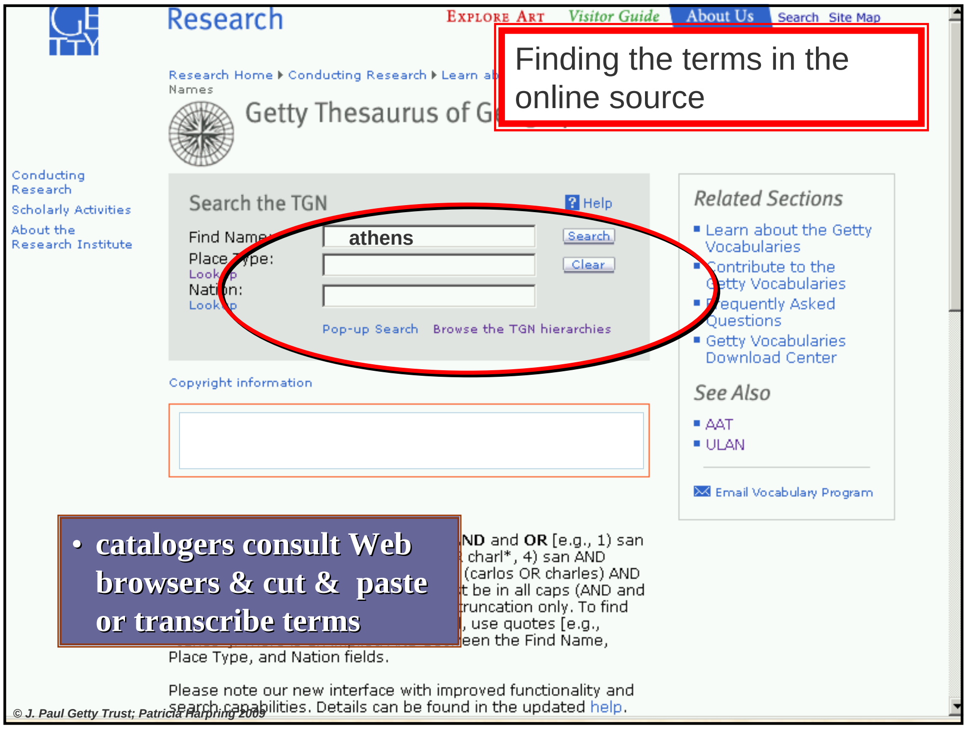
- Getty projects and others
- Information Professionals
  - Museums
  - Visual resource specialists
  - Librarians
  - Archivists
- Academics
  - Art history
  - Architectural history
  - Archaeology
  - History
- Systems implementers, vendors, Vocabulary providers

GETTY
DOC Centro de Documentación de Bienes Patrimoniales
SMB
MILE
OCLC
vra visual resources association
ARLIS ART LIBRARIES SOCIETY OF NORTH AMERICA
ALA American Library Association
ARTSTOR
GallerySystems
Dumbarton Oaks
WILLOUGHBY the museum software people
LUNA
UCSD
Berkeley
Princeton University
FITZWILLIAM MUSEUM
INDIANA UNIVERSITY
WebChoir
V&A Victoria and Albert Museum
THE MEDICI ARCHIVE PROJECT
NISO
NARA
Smithsonian
Harvard University
IBM Watson Research Center
CARNEGIE MUSEUM OF ART
DEFENSE
School of Computing University of Glamorgan
FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS

Users and Partners

- OCLC
- State Museums of Berlin/Institute for Museum Studies
- Centro de Documentación de Bienes Patrimoniales, Chile
- CHIN, ICCD
- European Union MILE Project (Metadata Image Library Exploitation)
- Systems vendors
- VRA, ALA
- NISO, ISO
- Grove, Marburger Index, Freer, and TELDAP in Taiwan

- **Getty is a partner with many institutions in the field of art information and retrieval**



Finding the terms in the online source

- catalogers consult Web browsers & cut & paste or transcribe terms

Research
Explore Art
Visitor Guide
About Us
Search
Site Map
Research Home ▸ Conducting Research ▸ Learn ab
Names
Getty Thesaurus of Ge
Conducting Research
Scholarly Activities
About the Research Institute
Search the TGN
Help
Search
Clear
Look up
Look up
Pop-up Search
Browse the TGN hierarchies
Copyright information
Related Sections
Learn about the Getty Vocabularies
Contribute to the Getty Vocabularies
Frequently Asked Questions
Getty Vocabularies Download Center
See Also
AAT
ULAN
Email Vocabulary Program

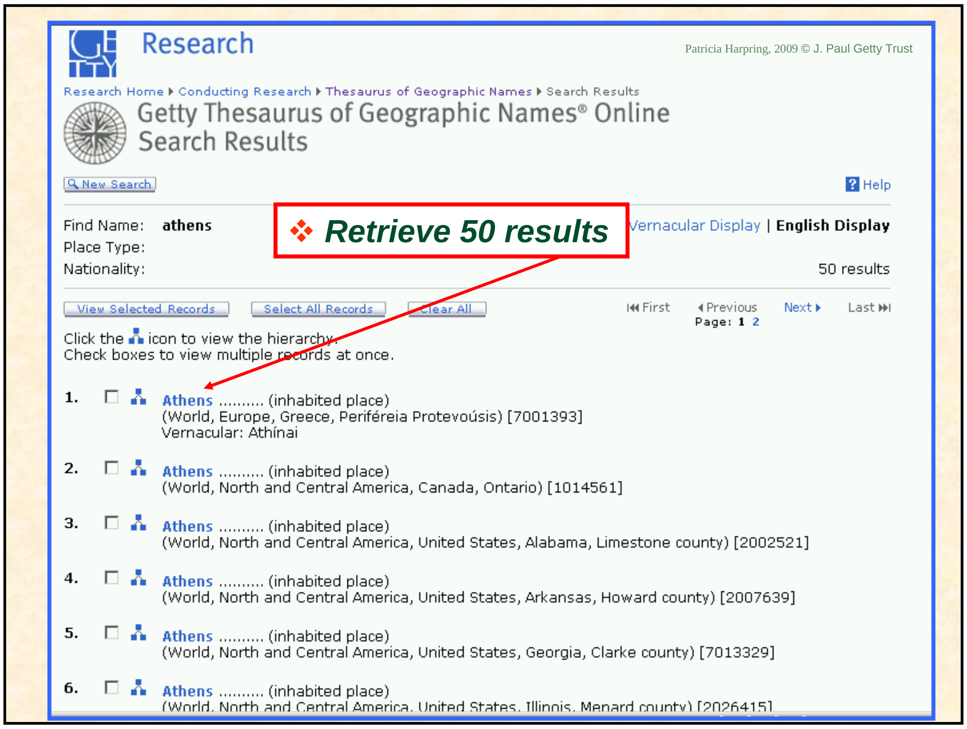
Find Name: athens

Place Type:

Nation:

ND and **OR** [e.g., 1) san
charl*, 4) san AND
(carlos OR charles) AND
t be in all caps (AND and
truncation only. To find
, use quotes [e.g.,
een the Find Name,
Place Type, and Nation fields.

Please note our new interface with improved functionality and search capabilities. Details can be found in the updated help.


Research
Research Home ▸ Conducting Research ▸ Thesaurus of Geographic Names ▸ Search Results
New Search
Help
Vernacular Display | English Display
View Selected Records
Select All Records
Clear All
⏮ First
◂ Previous
Next ▸
Last ⏭
Page: 1 2

Getty Thesaurus of Geographic Names® Online
Search Results

❖ **Retrieve 50 results**

Find Name: **athens**
Place Type:
Nationality:

50 results

Click the icon to view the hierarchy.
Check boxes to view multiple records at once.

1. ☐ **Athens** .... (inhabited place)
(World, Europe, Greece, Periféreia Protevoúsis) [7001393]
Vernacular: Athínai

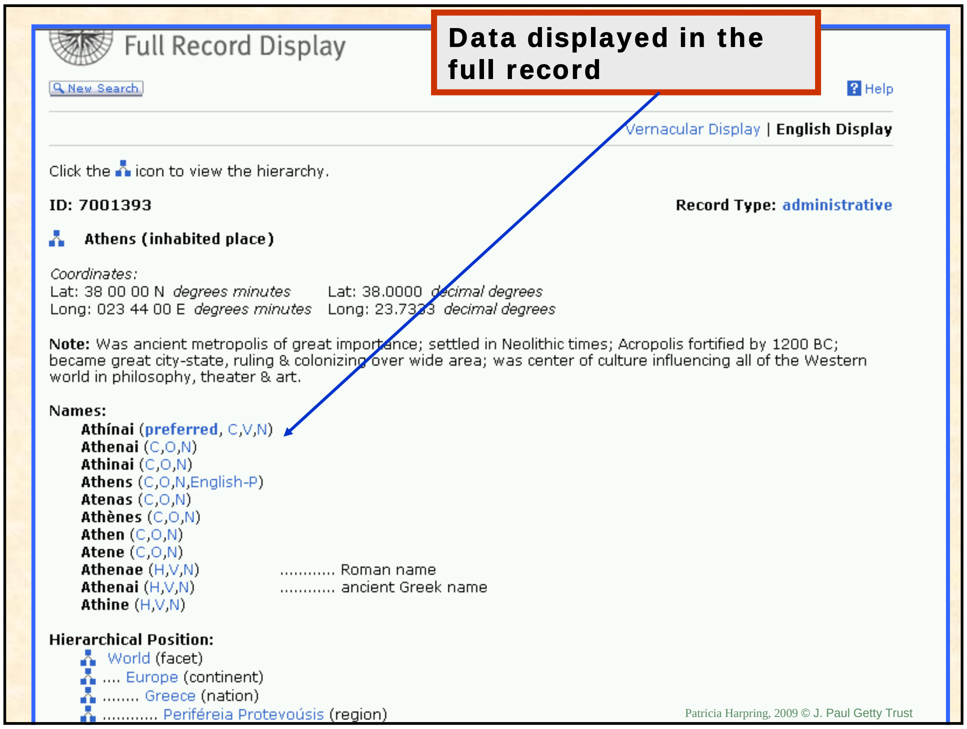
2. ☐ **Athens** .... (inhabited place)
(World, North and Central America, Canada, Ontario) [1014561]

3. ☐ **Athens** .... (inhabited place)
(World, North and Central America, United States, Alabama, Limestone county) [2002521]

4. ☐ **Athens** .... (inhabited place)
(World, North and Central America, United States, Arkansas, Howard county) [2007639]

5. ☐ **Athens** .... (inhabited place)
(World, North and Central America, United States, Georgia, Clarke county) [7013329]

6. ☐ **Athens** .... (inhabited place)
(World, North and Central America, United States, Illinois, Menard county) [2026415]


New Search
Help
Vernacular Display | English Display

Full Record Display

Data displayed in the full record

Click the icon to view the hierarchy.

ID: 7001393

Record Type: administrative

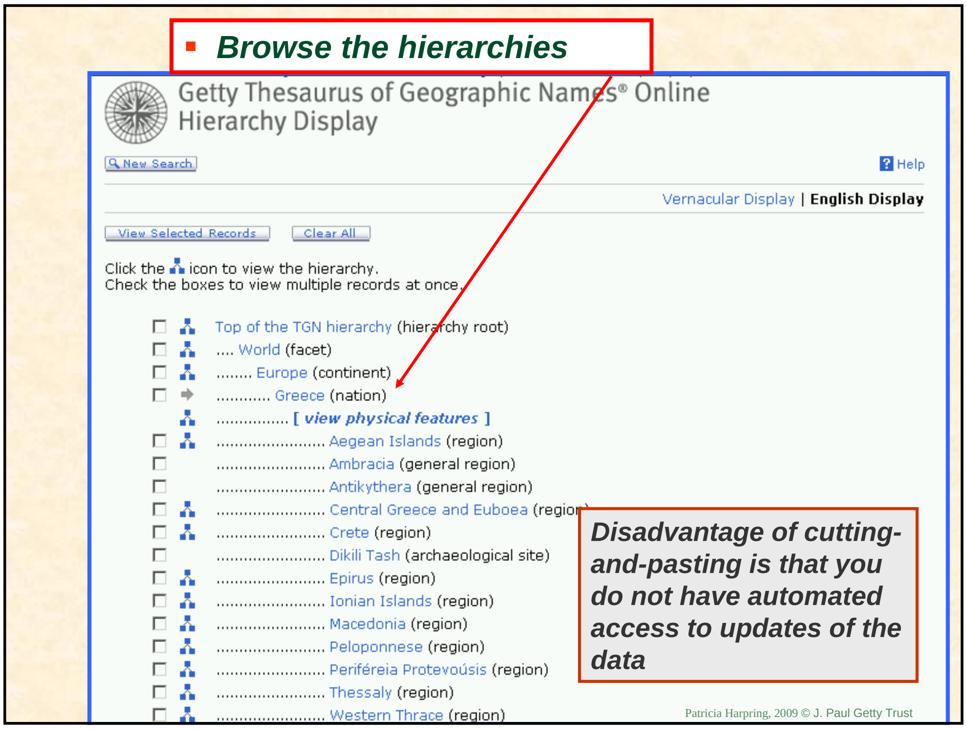
Athens (inhabited place)

Coordinates:
Lat: 38 00 00 N *degrees minutes* Lat: 38.0000 *decimal degrees*
Long: 023 44 00 E *degrees minutes* Long: 23.7333 *decimal degrees*

Note: Was ancient metropolis of great importance; settled in Neolithic times; Acropolis fortified by 1200 BC; became great city-state, ruling & colonizing over wide area; was center of culture influencing all of the Western world in philosophy, theater & art.

Names:
- **Athínai** (**preferred**, C,V,N)
- **Athenai** (C,O,N)
- **Athinai** (C,O,N)
- **Athens** (C,O,N,English-P)
- **Atenas** (C,O,N)
- **Athènes** (C,O,N)
- **Athen** (C,O,N)
- **Atene** (C,O,N)
- **Athenae** (H,V,N) .... Roman name
- **Athenai** (H,V,N) .... ancient Greek name
- **Athine** (H,V,N)

Hierarchical Position:
World (facet)
.... Europe (continent)
.... Greece (nation)
.... Periféreia Protevoúsis (region)



- **Browse the hierarchies**

Getty Thesaurus of Geographic Names® Online
Hierarchy Display

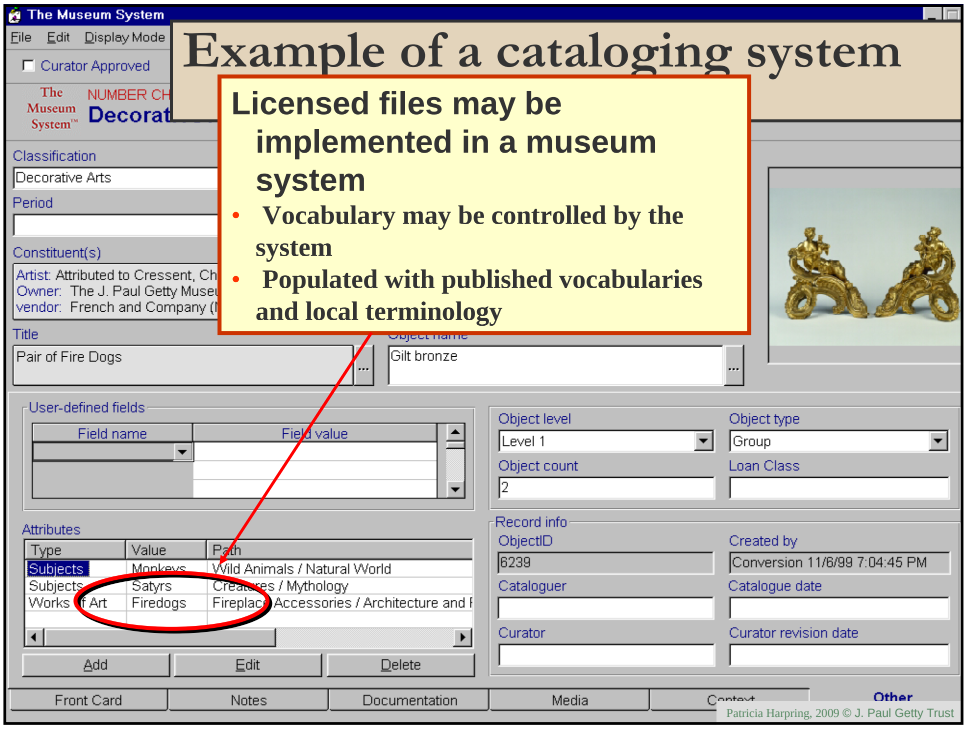
New Search
Help
Vernacular Display | English Display
View Selected Records
Clear All

Click the icon to view the hierarchy.
Check the boxes to view multiple records at once.

☐ Top of the TGN hierarchy (hierarchy root)
☐ .... World (facet)
☐ .... Europe (continent)
☐ .... Greece (nation)
.... [view physical features]
☐ .... Aegean Islands (region)
☐ .... Ambracia (general region)
☐ .... Antikythera (general region)
☐ .... Central Greece and Euboea (region)
☐ .... Crete (region)
☐ .... Dikili Tash (archaeological site)
☐ .... Epirus (region)
☐ .... Ionian Islands (region)
☐ .... Macedonia (region)
☐ .... Peloponnese (region)
☐ .... Periféreia Protevoúsis (region)
☐ .... Thessaly (region)
☐ .... Western Thrace (region)

Disadvantage of cutting-and-pasting is that you do not have automated access to updates of the data

Patricia Harpring, 2009 © J. Paul Getty Trust



Example of a cataloging system

Licensed files may be implemented in a museum system

- **Vocabulary may be controlled by the system**
- **Populated with published vocabularies and local terminology**

The Museum System
File Edit Display Mode
☐ Curator Approved
The Museum System™
NUMBER CH
Decorat

Classification: Decorative Arts

Period:

Constituent(s):
Artist: Attributed to Cressent, Ch
Owner: The J. Paul Getty Muse
vendor: French and Company (

Title: Pair of Fire Dogs

Object name: Gilt bronze

User-defined fields

Field name	Field value

Object level: Level 1
Object type: Group
Object count: 2
Loan Class:

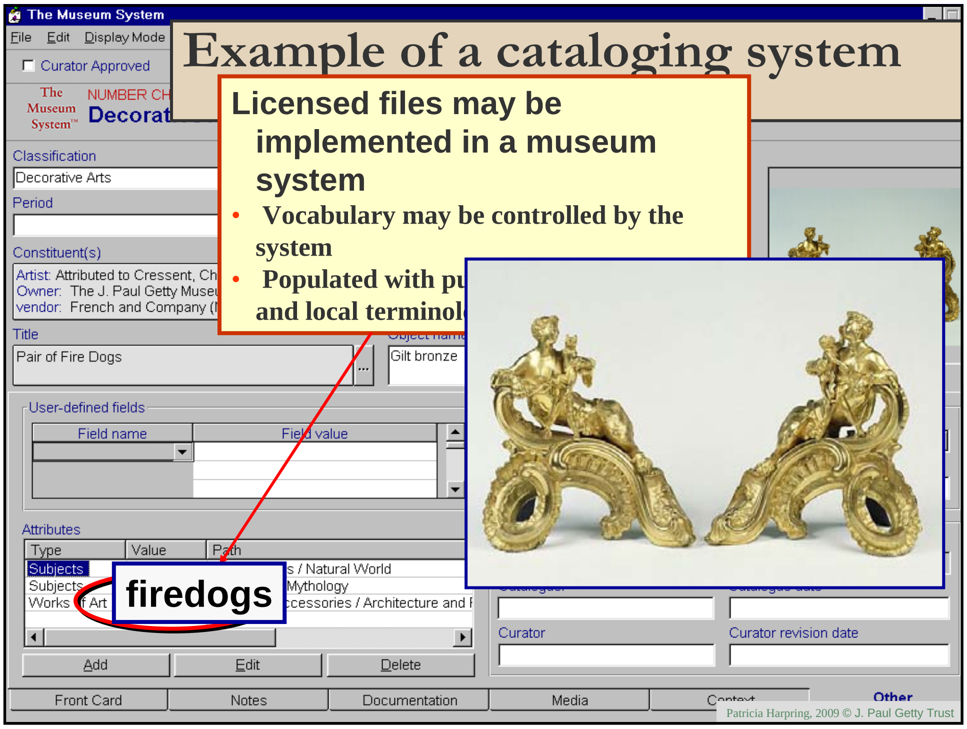
Attributes

Type	Value	Path
Subjects	Monkeys	Wild Animals / Natural World
Subjects	Satyrs	Creatures / Mythology
Works of Art	Firedogs	Fireplace Accessories / Architecture and F

Record info
ObjectID: 6239
Created by: Conversion 11/6/99 7:04:45 PM
Cataloguer:
Catalogue date:
Curator:
Curator revision date:

Add
Edit
Delete
Front Card
Notes
Documentation
Media
Context
Other

Patricia Harpring, 2009 © J. Paul Getty Trust



Example of a cataloging system

Licensed files may be implemented in a museum system

- Vocabulary may be controlled by the system
- Populated with pu… and local terminol…

firedogs

The Museum System
File Edit Display Mode
☐ Curator Approved
The Museum System™
NUMBER CH
Decorat
Add
Edit
Delete
Front Card
Notes
Documentation
Media
Context
Other

Classification: Decorative Arts

Period:

Constituent(s):
Artist: Attributed to Cressent, Ch…
Owner: The J. Paul Getty Muse…
vendor: French and Company (…

Title: Pair of Fire Dogs

Object name: Gilt bronze

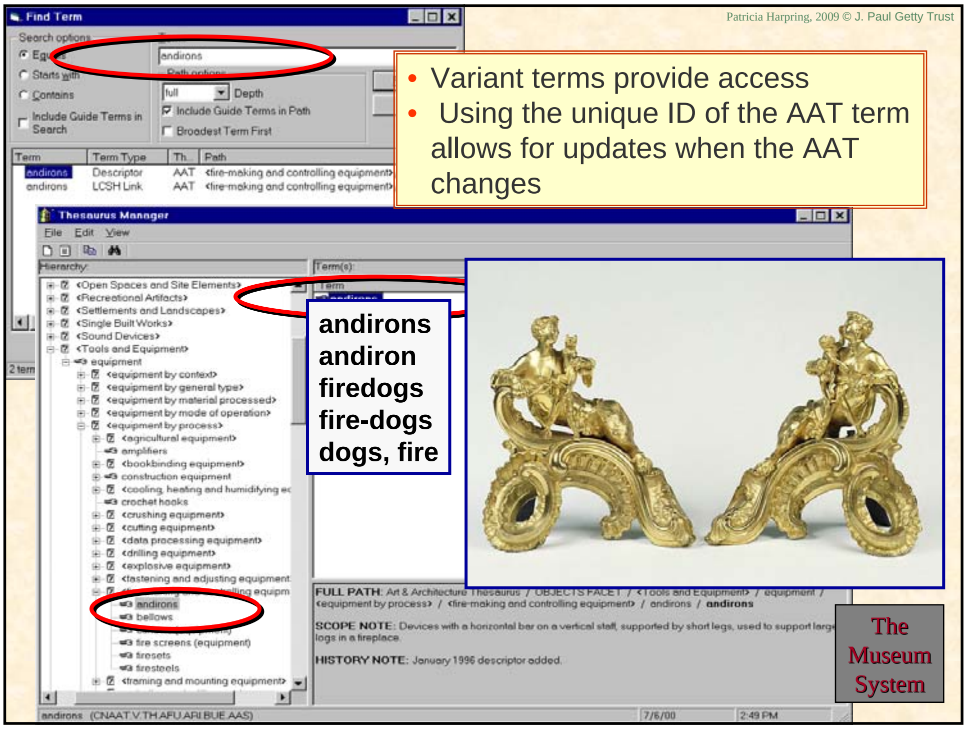
User-defined fields

Field name	Field value

Attributes

Type	Value	Path
Subjects		…s / Natural World
Subjects		Mythology
Works of Art		…ccessories / Architecture and F…

Cataloguer:
Catalogue date:
Curator:
Curator revision date:



- Variant terms provide access
- Using the unique ID of the AAT term allows for updates when the AAT changes

andirons
andiron
firedogs
fire-dogs
dogs, fire

Find Term
Search options
● Equals
○ Starts with
○ Contains
☐ Include Guide Terms in Search
Path options
Depth
Thesaurus Manager
File Edit View
Hierarchy:
Term(s):
Term
<Open Spaces and Site Elements>
<Recreational Artifacts>
<Settlements and Landscapes>
<Single Built Works>
<Sound Devices>
<Tools and Equipment>
equipment
<equipment by context>
<equipment by general type>
<equipment by material processed>
<equipment by mode of operation>
<equipment by process>
<agricultural equipment>
amplifiers
<bookbinding equipment>
construction equipment
<cooling, heating and humidifying e…
crochet hooks
<crushing equipment>
<cutting equipment>
<data processing equipment>
<drilling equipment>
<explosive equipment>
<fastening and adjusting equipment
andirons
bellows
fire screens (equipment)
firesets
firesteels
<framing and mounting equipment>
2 term
The Museum System

Term: andirons
Depth: full
☑ Include Guide Terms in Path
☐ Broadest Term First

Term	Term Type	Th…	Path
andirons	Descriptor	AAT	<fire-making and controlling equipment>
andirons	LCSH Link	AAT	<fire-making and controlling equipment>

FULL PATH: Art & Architecture Thesaurus / OBJECTS FACET / <Tools and Equipment> / equipment / <equipment by process> / <fire-making and controlling equipment> / andirons / **andirons**

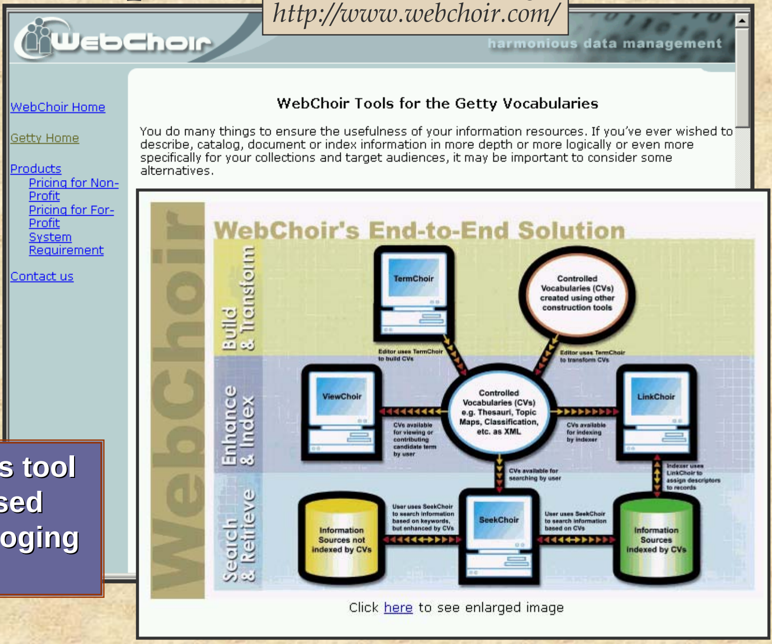
SCOPE NOTE: Devices with a horizontal bar on a vertical staff, supported by short legs, used to support large logs in a fireplace.

HISTORY NOTE: January 1996 descriptor added.

andirons (CNAAT.V.TH.AFU.ARI.BUE.AAS) 7/6/00 2:49 PM

Example of a vocabulary tool

http://www.webchoir.com/


WebChoir
harmonious data management
WebChoir Home
Getty Home
Products
Pricing for Non-Profit
Pricing for For-Profit
System Requirement
Contact us
WebChoir's End-to-End Solution
WebChoir
Build & Transform
Enhance & Index
Search & Retrieve
TermChoir
Controlled Vocabularies (CVs) created using other construction tools
Editor uses TermChoir to build CVs
Editor uses TermChoir to transform CVs
ViewChoir
Controlled Vocabularies (CVs) e.g. Thesauri, Topic Maps, Classification, etc. as XML
LinkChoir
CVs available for viewing or contributing candidate term by user
CVs available for indexing by indexer
CVs available for searching by user
Indexer uses LinkChoir to assign descriptors to records
Information Sources not indexed by CVs
User uses SeekChoir to search information based on keywords, but enhanced by CVs
SeekChoir
User uses SeekChoir to search information based on CVs
Information Sources indexed by CVs
Click here to see enlarged image

WebChoir Tools for the Getty Vocabularies

You do many things to ensure the usefulness of your information resources. If you've ever wished to describe, catalog, document or index information in more depth or more logically or even more specifically for your collections and target audiences, it may be important to consider some alternatives.

- Thesaurus tool may be used with cataloging systems

Getty Vocabularies are sets of standard terminology that typically form a critical part of an institution's local vocabulary

- A combination of vocabularies will be necessary
  - Required terms may be outside the scope of a given vocabulary
  - No single vocabulary is comprehensive for its scope
- Local authorities should be populated with published vocabularies and local terminology

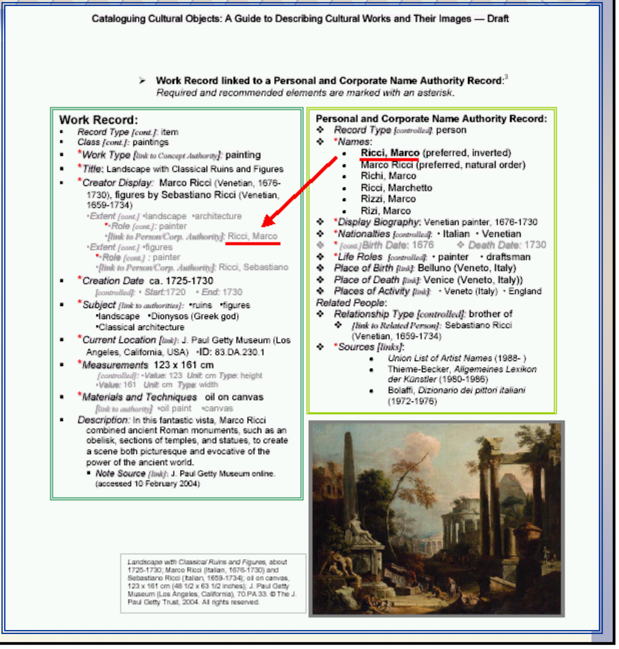
Why do we need local authorities?

- Local authorities provide terms not found in published authorities (e.g. unpublished terms, non-expert terms, “wrong” terms, local terms)
- Local authorities remind cataloguers of policies regarding local usage of terms.
- Local authorities cluster together all the variant names for terms, and identify the terms that are preferred and used by the particular institution.
- Local authorities can provide non-expert, “non-scientific” or simply collection-specific broader terms to assist end-users

Controlling data values?

Authorities as described in CDWA and CCO

- Some use controlled lists, some controlled formats (e.g., dates)
- But values in many fields are best controlled by authorities



Cataloguing Cultural Objects: A Guide to Describing Cultural Works and Their Images — Draft

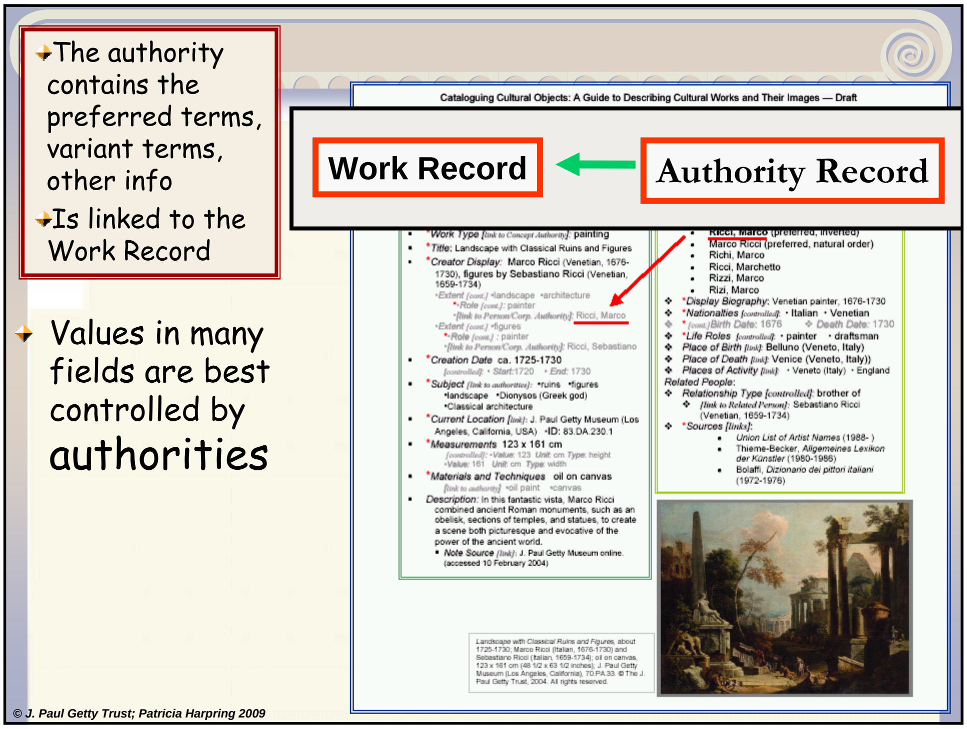
➢ **Work Record linked to a Personal and Corporate Name Authority Record:**[3]
Required and recommended elements are marked with an asterisk.

Work Record:
- *Record Type [cont.]:* item
- *Class [cont.]:* paintings
- **Work Type [link to Concept Authority]:* painting
- **Title:* Landscape with Classical Ruins and Figures
- **Creator Display:* Marco Ricci (Venetian, 1676-1730), figures by Sebastiano Ricci (Venetian, 1659-1734)
  - ▪Extent [cont.] ▪landscape ▪architecture
    - *▪Role [cont.]: painter
    - ▪[link to Person/Corp. Authority]: Ricci, Marco
  - ▪Extent [cont.] ▪figures
    - *▪Role [cont.] : painter
    - ▪[link to Person/Corp. Authority]: Ricci, Sebastiano
- **Creation Date* ca. 1725-1730
  - [controlled]: ▪ Start:1720 ▪ End: 1730
- **Subject [link to authorities]:* ▪ruins ▪figures ▪landscape ▪Dionysos (Greek god) ▪Classical architecture
- **Current Location [link]:* J. Paul Getty Museum (Los Angeles, California, USA) ▪ID: 83.DA.230.1
- **Measurements* 123 x 161 cm
  - [controlled]: ▪Value: 123 Unit: cm Type: height ▪Value: 161 Unit: cm Type: width
- **Materials and Techniques* oil on canvas
  - [link to authority] ▪oil paint ▪canvas
- *Description:* In this fantastic vista, Marco Ricci combined ancient Roman monuments, such as an obelisk, sections of temples, and statues, to create a scene both picturesque and evocative of the power of the ancient world.
  - *Note Source [link]:* J. Paul Getty Museum online. (accessed 10 February 2004)

Personal and Corporate Name Authority Record:
- ❖ *Record Type [controlled]:* person
- ❖ **Names:*
  - Ricci, Marco (preferred, inverted)
  - Marco Ricci (preferred, natural order)
  - Richi, Marco
  - Ricci, Marchetto
  - Rizzi, Marco
  - Rizi, Marco
- ❖ **Display Biography:* Venetian painter, 1676-1730
- ❖ **Nationalties [controlled]:* ▪ Italian ▪ Venetian
- ❖ * *[cont.] Birth Date:* 1676 ❖ *Death Date:* 1730
- ❖ **Life Roles [controlled]:* ▪ painter ▪ draftsman
- ❖ *Place of Birth [link]:* Belluno (Veneto, Italy)
- ❖ *Place of Death [link]:* Venice (Veneto, Italy))
- ❖ *Places of Activity [link]:* ▪ Veneto (Italy) ▪ England

Related People:
- ❖ *Relationship Type [controlled]:* brother of
  - ❖ *[link to Related Person]:* Sebastiano Ricci (Venetian, 1659-1734)
- ❖ **Sources [links]:*
  - *Union List of Artist Names* (1988-)
  - Thieme-Becker, *Allgemeines Lexikon der Künstler* (1980-1986)
  - Bolaffi, *Dizionario dei pittori italiani* (1972-1976)

Landscape with *Classical Ruins and Figures*, about 1725-1730; Marco Ricci (Italian, 1676-1730) and Sebastiano Ricci (Italian, 1659-1734); oil on canvas, 123 x 161 cm (48 1/2 x 63 1/2 inches); J. Paul Getty Museum (Los Angeles, California), 70.PA.33. © The J. Paul Getty Trust, 2004. All rights reserved.



- The authority contains the preferred terms, variant terms, other info
- Is linked to the Work Record

- Values in many fields are best controlled by authorities

Cataloguing Cultural Objects: A Guide to Describing Cultural Works and Their Images — Draft

Work Record ← **Authority Record**

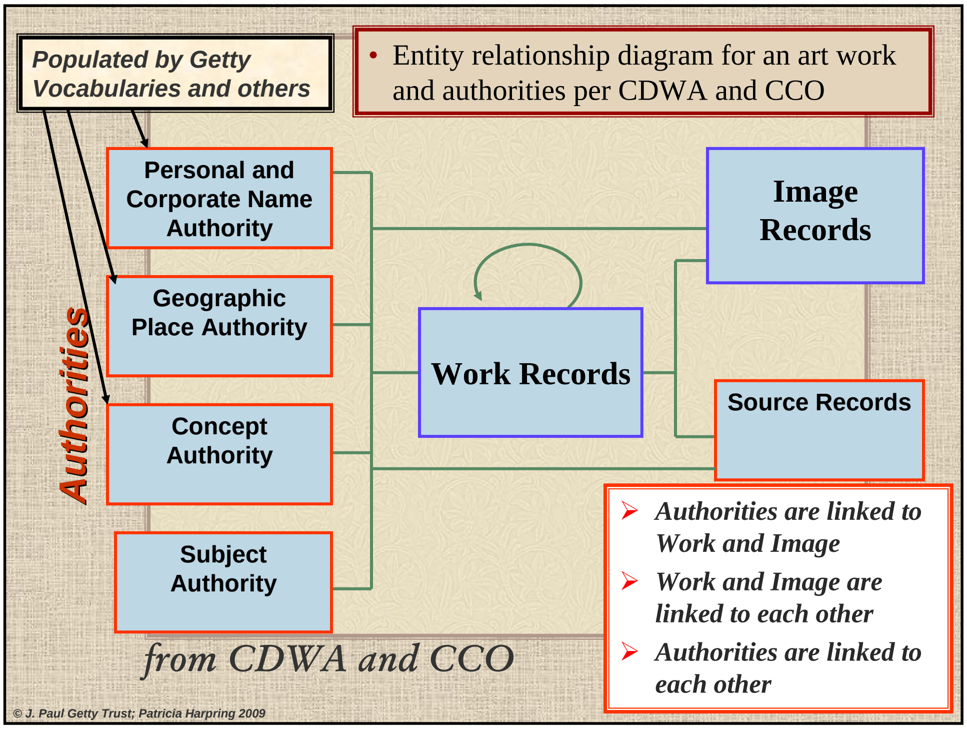
- *Work Type [link to Concept Authority]:* painting
- *Title:* Landscape with Classical Ruins and Figures
- *Creator Display:* Marco Ricci (Venetian, 1676-1730), figures by Sebastiano Ricci (Venetian, 1659-1734)
  - *Extent [cont.]* •landscape •architecture
    - *Role [cont.]:* painter
    - *[link to Person/Corp. Authority]:* Ricci, Marco
  - *Extent [cont.]* •figures
    - *Role [cont.] :* painter
    - *[link to Person/Corp. Authority]:* Ricci, Sebastiano
- *Creation Date* ca. 1725-1730
  - *[controlled]:* • *Start:* 1720 • *End:* 1730
- *Subject [link to authorities]:* •ruins •figures •landscape •Dionysos (Greek god) •Classical architecture
- *Current Location [link]:* J. Paul Getty Museum (Los Angeles, California, USA) •ID: 83.DA.230.1
- *Measurements* 123 x 161 cm
  - *[controlled]:* •*Value:* 123 *Unit:* cm *Type:* height
  - •*Value:* 161 *Unit:* cm *Type:* width
- *Materials and Techniques* oil on canvas
  - *[link to authority]* •oil paint •canvas
- *Description:* In this fantastic vista, Marco Ricci combined ancient Roman monuments, such as an obelisk, sections of temples, and statues, to create a scene both picturesque and evocative of the power of the ancient world.
  - *Note Source [link]:* J. Paul Getty Museum online. (accessed 10 February 2004)

- **Ricci, Marco** (preferred, inverted)
- Marco Ricci (preferred, natural order)
- Richi, Marco
- Ricci, Marchetto
- Rizzi, Marco
- Rizi, Marco

- *Display Biography:* Venetian painter, 1676-1730
- *Nationalties [controlled]:* • Italian • Venetian
- *[cont.] Birth Date:* 1676 ❖ *Death Date:* 1730
- *Life Roles [controlled]:* • painter • draftsman
- *Place of Birth [link]:* Belluno (Veneto, Italy)
- *Place of Death [link]:* Venice (Veneto, Italy))
- *Places of Activity [link]:* • Veneto (Italy) • England

Related People:
- *Relationship Type [controlled]:* brother of
  - *[link to Related Person]:* Sebastiano Ricci (Venetian, 1659-1734)
- *Sources [links]:*
  - *Union List of Artist Names* (1988-)
  - Thieme-Becker, *Allgemeines Lexikon der Künstler* (1980-1986)
  - Bolaffi, *Dizionario dei pittori italiani* (1972-1976)

Landscape with Classical Ruins and Figures, about 1725-1730; Marco Ricci (Italian, 1676-1730) and Sebastiano Ricci (Italian, 1659-1734); oil on canvas, 123 x 161 cm (48 1/2 x 63 1/2 inches); J. Paul Getty Museum (Los Angeles, California), 70.PA.33. © The J. Paul Getty Trust, 2004. All rights reserved.

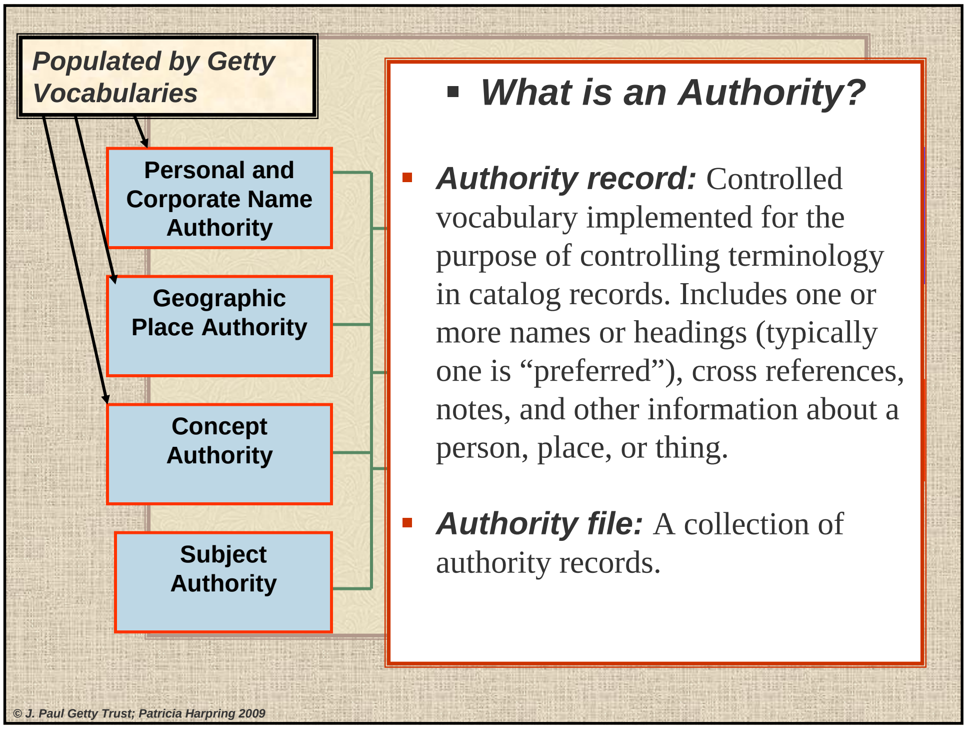


- Entity relationship diagram for an art work and authorities per CDWA and CCO

Populated by Getty Vocabularies and others

- Authorities are linked to Work and Image
- Work and Image are linked to each other
- Authorities are linked to each other

from CDWA and CCO

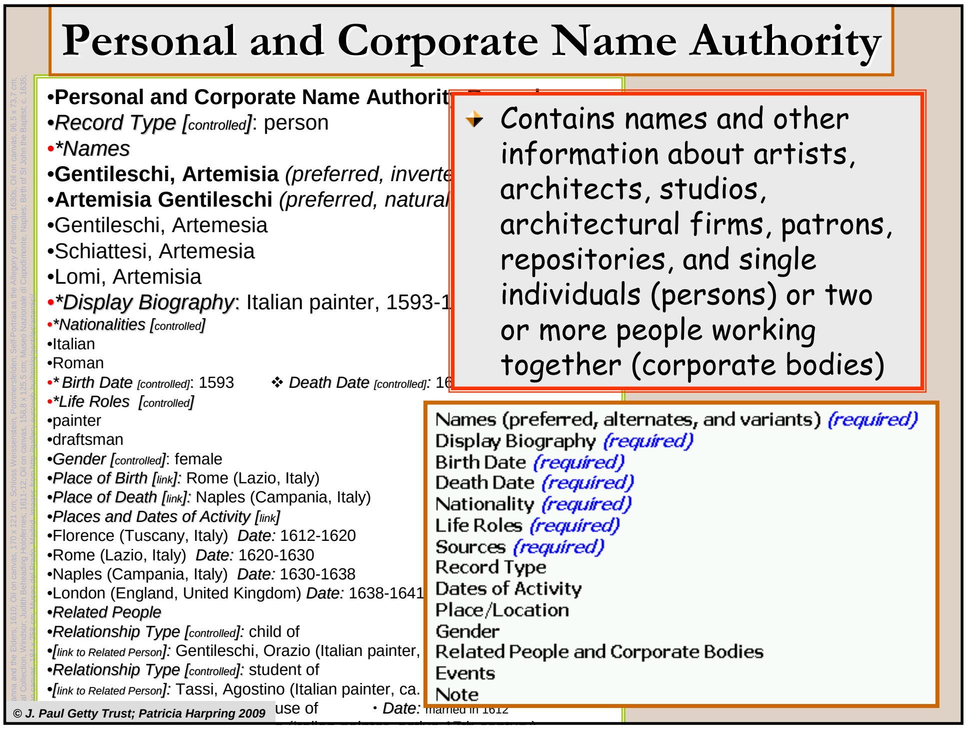


Populated by Getty Vocabularies

- Personal and Corporate Name Authority
- Geographic Place Authority
- Concept Authority
- Subject Authority

What is an Authority?

- ***Authority record:*** Controlled vocabulary implemented for the purpose of controlling terminology in catalog records. Includes one or more names or headings (typically one is "preferred"), cross references, notes, and other information about a person, place, or thing.
- ***Authority file:*** A collection of authority records.



Personal and Corporate Name Authority

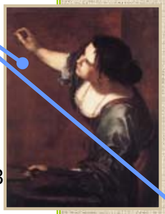
- **Personal and Corporate Name Authorit**
- *Record Type [controlled]*: person
- **Names*
- **Gentileschi, Artemisia** *(preferred, inverte*
- **Artemisia Gentileschi** *(preferred, natural*
- Gentileschi, Artemesia
- Schiattesi, Artemesia
- Lomi, Artemisia
- **Display Biography*: Italian painter, 1593-1
- **Nationalities [controlled]*
- Italian
- Roman
- ** Birth Date [controlled]*: 1593 ❖ *Death Date [controlled]*: 16
- **Life Roles [controlled]*
- painter
- draftsman
- *Gender [controlled]*: female
- *Place of Birth [link]:* Rome (Lazio, Italy)
- *Place of Death [link]:* Naples (Campania, Italy)
- *Places and Dates of Activity [link]*
- Florence (Tuscany, Italy) *Date:* 1612-1620
- Rome (Lazio, Italy) *Date:* 1620-1630
- Naples (Campania, Italy) *Date:* 1630-1638
- London (England, United Kingdom) *Date:* 1638-1641
- *Related People*
- *Relationship Type [controlled]:* child of
- *[link to Related Person]:* Gentileschi, Orazio (Italian painter,
- *Relationship Type [controlled]:* student of
- *[link to Related Person]:* Tassi, Agostino (Italian painter, ca.

use of • *Date:* married in 1612

- Contains names and other information about artists, architects, studios, architectural firms, patrons, repositories, and single individuals (persons) or two or more people working together (corporate bodies)

Names (preferred, alternates, and variants) *(required)*
Display Biography *(required)*
Birth Date *(required)*
Death Date *(required)*
Nationality *(required)*
Life Roles *(required)*
Sources *(required)*
Record Type
Dates of Activity
Place/Location
Gender
Related People and Corporate Bodies
Events
Note

Personal and Corporate Name Authority



- **Personal and Corporate Name Authority Record**
- *Record Type [controlled]*: person
- **Names*
- **Gentileschi, Artemisia** *(preferred, inverted)*
- **Artemisia Gentileschi** *(preferred, natural order)*
- Gentileschi, Artemesia
- Schiattesi, Artemesia
- Lomi, Artemisia
- **Display Biography*: Italian painter, 1593-1652 or 1653
- **Nationalities [controlled]*
- Italian
- Roman
- ** Birth Date [controlled]*: 1593 ❖ *Death Date [conti*
- **Life Roles [controlled]*
- painter
- draftsman
- *Gender [controlled]*: female
- *Place of Birth [link]:* Rome (Lazio, Italy)
- *Place of Death [link]:* Naples (Campania, Italy)
- *Places and Dates of Activity [link]*
- Florence
- Rome (L
- Naples (
- London (England, United Kingdo
- *Related People*
- *Relationship Type [controlled]:* child
- *[link to Related Person]:* Gentileschi, Ora
- *Relationship Type [controlled]:* stude
- *[link to Related Person]:* Tassi, Agostino

use of *Date:* married in 1612

Populated by ULAN

- With an authority, you need enter the information once, link works
- Power of the variant names, other information

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Work Record

- *Record Type [cont.]*: item ▪ *Class [cont.]:* manuscripts

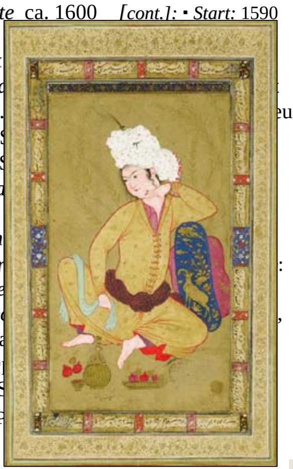
**Work Type [link to Concept Authority]:* illumination

- **Title*: Barefoot Youth
- **Creator Display:* Riza (Persian, ca. 1565-1635)

*▪*Role [cont.]:* illuminator

▪*[link to Person/Corp. Authority]:* Riza

- **Creation Date* ca. 1600 *[cont.]:* ▪ *Start:* 1590 ▪*End:* 1610



- **Subject [link*
- **Current Loca* and Arthur M. eum of Asian Art, S USA) ▪ID:LTS
- *Creation Loca* province, Iran)
- **Measuremen* inches) *[contr* : height ▪*Value*
- **Material /Te* , and gold on pa ▪watercolor ▪
- *Inscriptions:* S
- *Description:* P

Authority linked to appropriate fields in a work record

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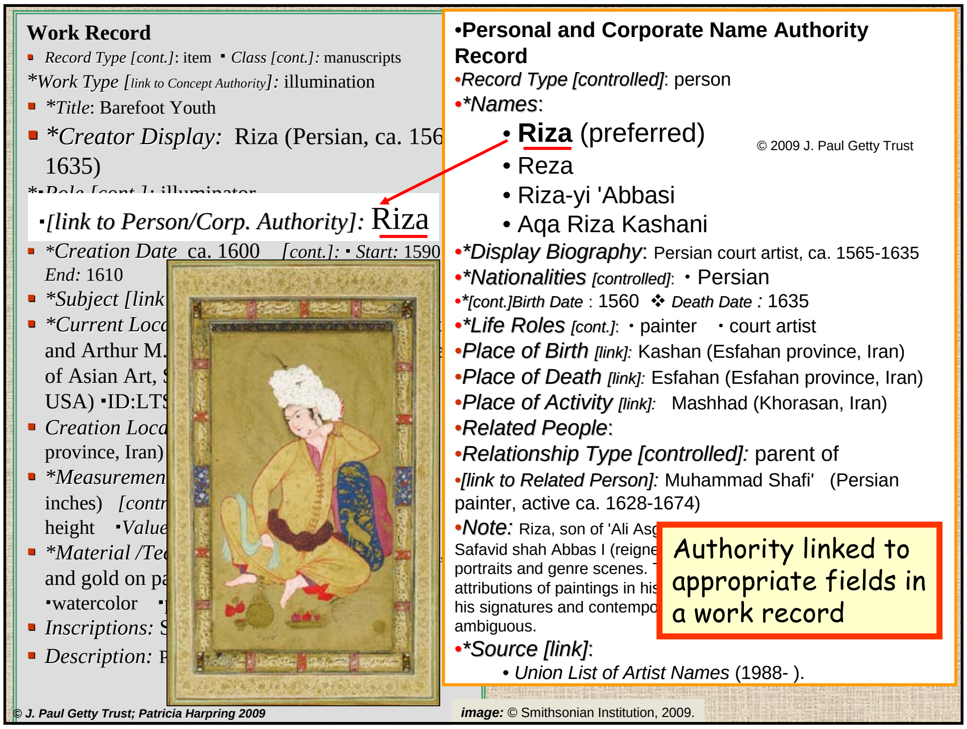
image: © Smithsonian Institution, 2009.



Work Record

- *Record Type [cont.]*: item ▪ *Class [cont.]:* manuscripts

**Work Type [link to Concept Authority]:* illumination

- **Title*: Barefoot Youth
- **Creator Display:* Riza (Persian, ca. 156 1635)

*▪*Role [cont.]*: illuminator

▪*[link to Person/Corp. Authority]:* Riza

- **Creation Date* ca. 1600 *[cont.]:* ▪ *Start:* 1590 *End:* 1610
- **Subject [link*
- **Current Loca* and Arthur M. of Asian Art, USA) ▪ID:LTS
- *Creation Loca* province, Iran)
- **Measuremen* inches) *[contr* height ▪*Value*
- **Material /Te* and gold on pa ▪watercolor ▪
- *Inscriptions:* S
- *Description:* P

•Personal and Corporate Name Authority Record

•*Record Type [controlled]*: person

•**Names*:

- **Riza** (preferred)
- Reza
- Riza-yi 'Abbasi
- Aqa Riza Kashani

© 2009 J. Paul Getty Trust

•**Display Biography*: Persian court artist, ca. 1565-1635

•**Nationalities [controlled]*: ▪ Persian

•**[cont.]Birth Date* : 1560 ❖ *Death Date :* 1635

•**Life Roles [cont.]*: ▪ painter ▪ court artist

•*Place of Birth [link]:* Kashan (Esfahan province, Iran)

•*Place of Death [link]:* Esfahan (Esfahan province, Iran)

•*Place of Activity [link]:* Mashhad (Khorasan, Iran)

•*Related People*:

•*Relationship Type [controlled]:* parent of

•*[link to Related Person]:* Muhammad Shafi' (Persian painter, active ca. 1628-1674)

•*Note:* Riza, son of 'Ali Asg Safavid shah Abbas I (reigne portraits and genre scenes. T attributions of paintings in his his signatures and contempo ambiguous.

•**Source [link]*:

- *Union List of Artist Names* (1988-).

Authority linked to appropriate fields in a work record

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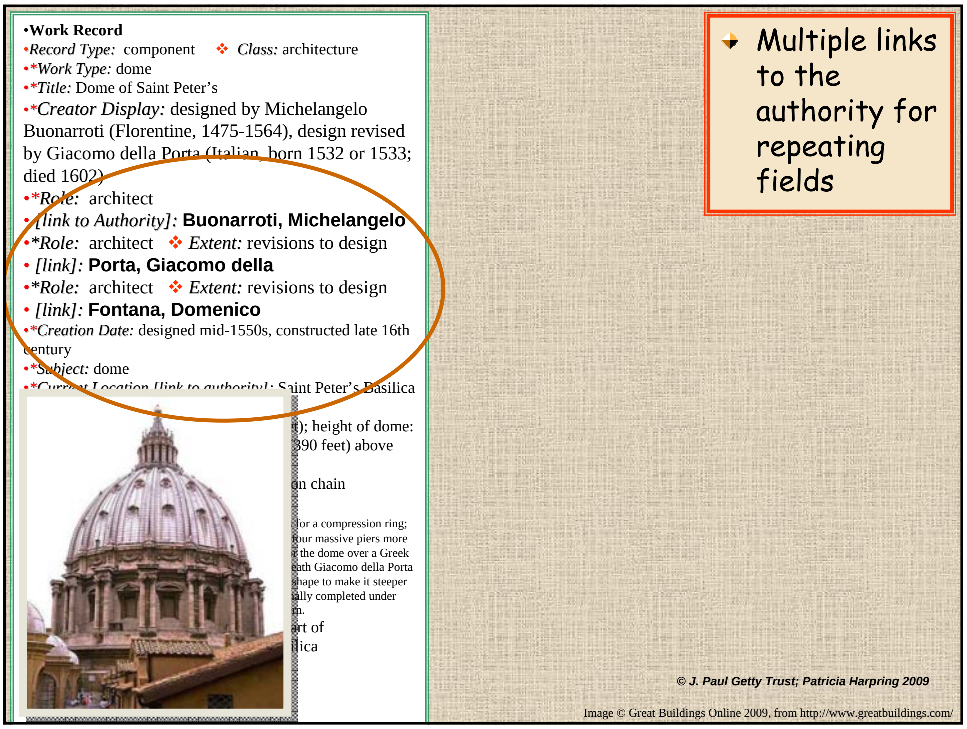
image: © Smithsonian Institution, 2009.



•**Work Record**

•*Record Type:* component ❖ *Class:* architecture

•**Work Type:* dome

•**Title:* Dome of Saint Peter's

•**Creator Display:* designed by Michelangelo Buonarroti (Florentine, 1475-1564), design revised by Giacomo della Porta (Italian, born 1532 or 1533; died 1602)

•**Role:* architect

•*[link to Authority]:* **Buonarroti, Michelangelo**

•**Role:* architect ❖ *Extent:* revisions to design

• *[link]:* **Porta, Giacomo della**

•**Role:* architect ❖ *Extent:* revisions to design

• *[link]:* **Fontana, Domenico**

•**Creation Date:* designed mid-1550s, constructed late 16th century

•**Subject:* dome

•**Current Location [link to authority]:* Saint Peter's Basilica

t); height of dome: 390 feet) above

on chain

for a compression ring; four massive piers more r the dome over a Greek eath Giacomo della Porta shape to make it steeper ally completed under rn.

art of ilica

Multiple links to the authority for repeating fields

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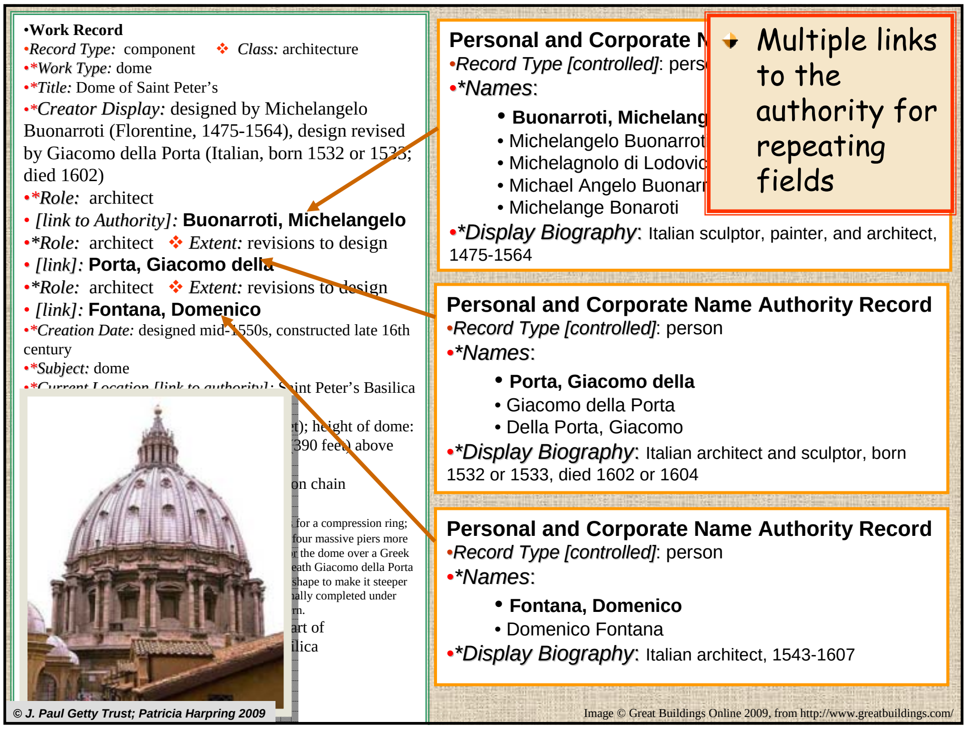
Image © Great Buildings Online 2009, from http://www.greatbuildings.com/



•Work Record
•*Record Type:* component ❖ *Class:* architecture
•**Work Type:* dome
•**Title:* Dome of Saint Peter's
•**Creator Display:* designed by Michelangelo Buonarroti (Florentine, 1475-1564), design revised by Giacomo della Porta (Italian, born 1532 or 1533; died 1602)
•**Role:* architect
• *[link to Authority]:* **Buonarroti, Michelangelo**
•**Role:* architect ❖ *Extent:* revisions to design
• *[link]:* **Porta, Giacomo della**
•**Role:* architect ❖ *Extent:* revisions to design
• *[link]:* **Fontana, Domenico**
•**Creation Date:* designed mid-1550s, constructed late 16th century
•**Subject:* dome
•**Current Location [link to authority]:* Saint Peter's Basilica
t); height of dome:
390 feet) above
on chain
for a compression ring;
four massive piers more
r the dome over a Greek
eath Giacomo della Porta
shape to make it steeper
ally completed under
rn.
art of
ilica

Personal and Corporate N
•*Record Type [controlled]*: pers
•**Names*:
- **Buonarroti, Michelang**
- Michelangelo Buonarrot
- Michelagnolo di Lodovic
- Michael Angelo Buonarr
- Michelange Bonaroti

•**Display Biography*: Italian sculptor, painter, and architect, 1475-1564

- Multiple links to the authority for repeating fields

Personal and Corporate Name Authority Record
•*Record Type [controlled]*: person
•**Names*:
- **Porta, Giacomo della**
- Giacomo della Porta
- Della Porta, Giacomo

•**Display Biography*: Italian architect and sculptor, born 1532 or 1533, died 1602 or 1604

Personal and Corporate Name Authority Record
•*Record Type [controlled]*: person
•**Names*:
- **Fontana, Domenico**
- Domenico Fontana

•**Display Biography*: Italian architect, 1543-1607

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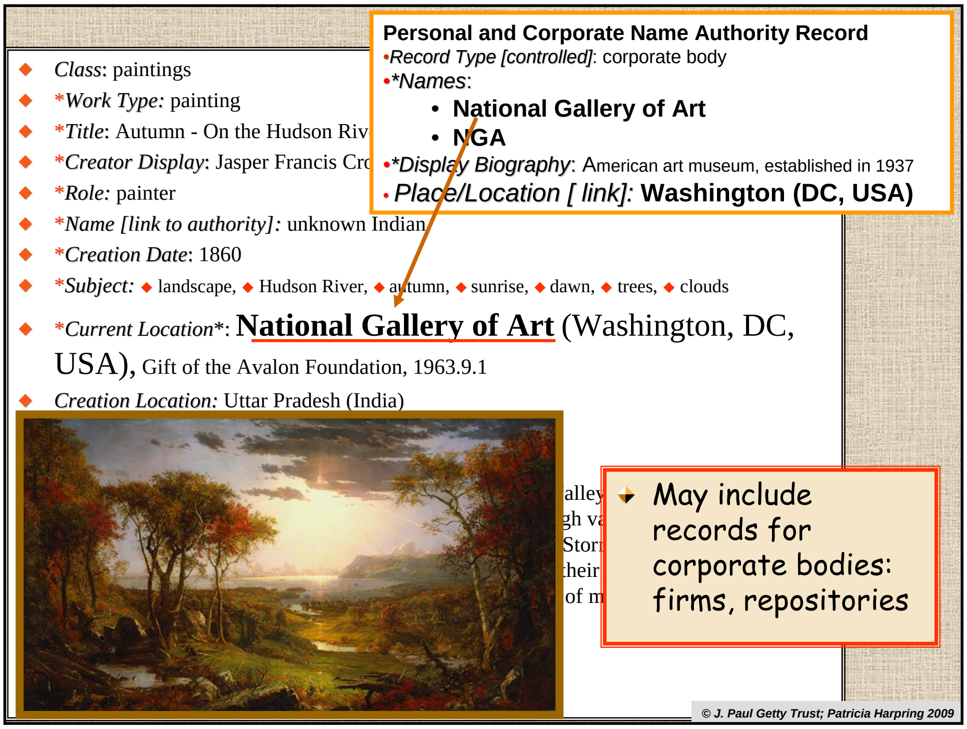
Image © Great Buildings Online 2009, from http://www.greatbuildings.com/



◆ *Class*: paintings
◆ **Work Type:* painting
◆ **Title*: Autumn - On the Hudson Riv
◆ **Creator Display*: Jasper Francis Cro
◆ **Role:* painter
◆ **Name [link to authority]:* unknown Indian
◆ **Creation Date*: 1860
◆ **Subject:* ◆ landscape, ◆ Hudson River, ◆ autumn, ◆ sunrise, ◆ dawn, ◆ trees, ◆ clouds
◆ **Current Location**: **National Gallery of Art** (Washington, DC, USA), Gift of the Avalon Foundation, 1963.9.1
◆ *Creation Location:* Uttar Pradesh (India)

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Personal and Corporate Name Authority Record
•*Record Type [controlled]*: corporate body
•**Names*:
- **National Gallery of Art**
- **NGA**

•**Display Biography*: American art museum, established in 1937
• *Place/Location [link]:* **Washington (DC, USA)**

- May include records for corporate bodies: firms, repositories

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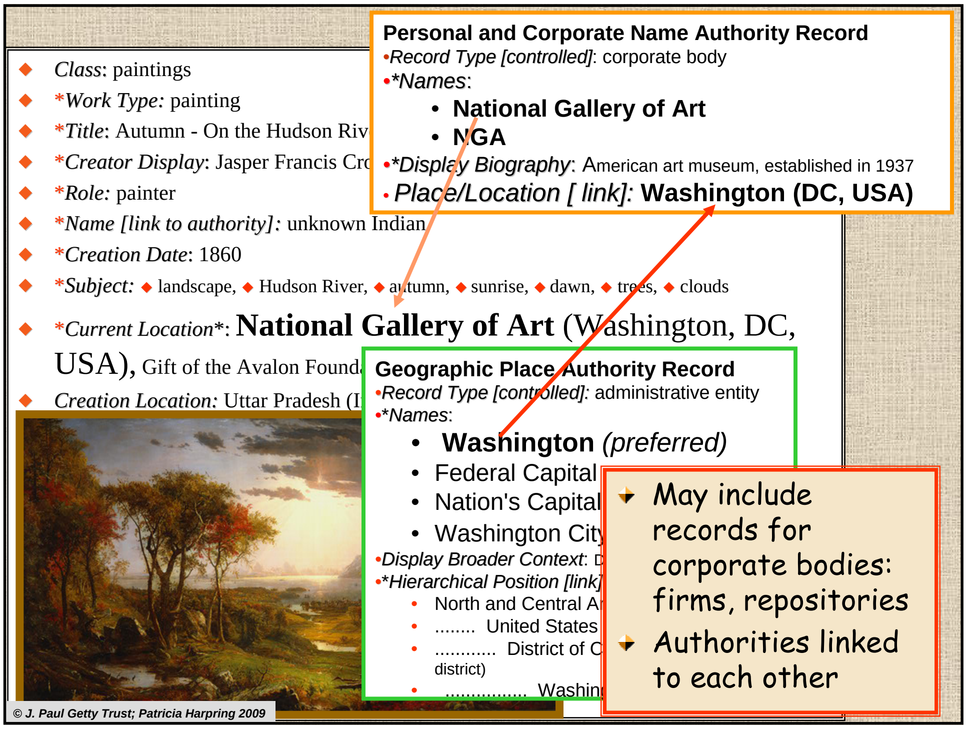
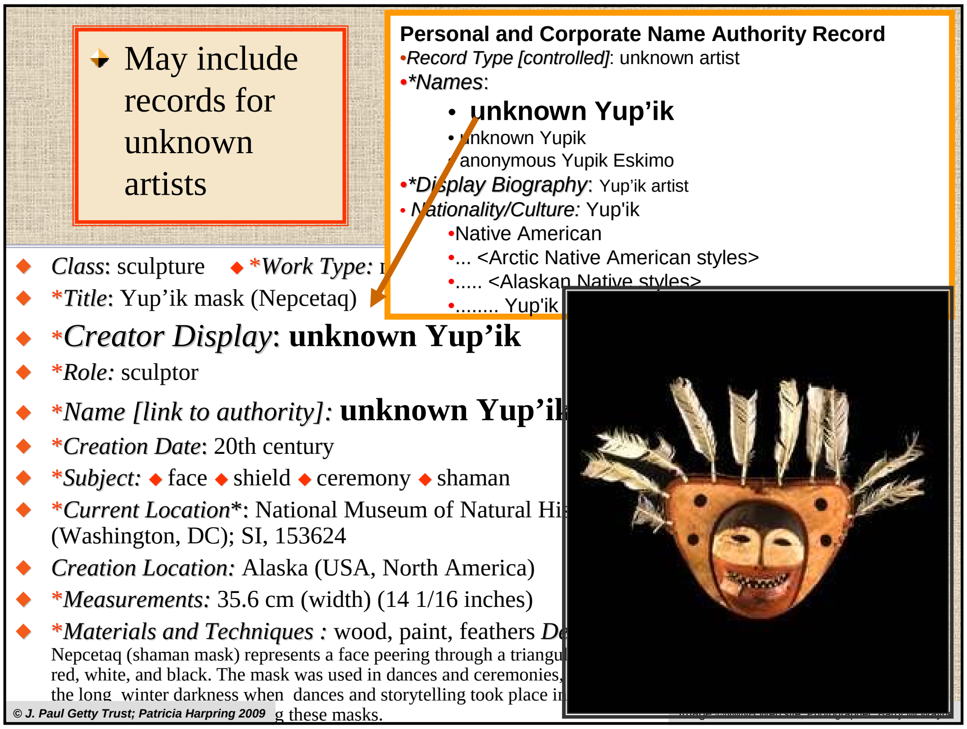


Personal and Corporate Name Authority Record
- *Record Type [controlled]*: corporate body
- **Names*:
  - **National Gallery of Art**
  - **NGA**
- **Display Biography*: American art museum, established in 1937
- *Place/Location [link]:* **Washington (DC, USA)**

- *Class*: paintings
- **Work Type:* painting
- **Title*: Autumn - On the Hudson Riv
- **Creator Display*: Jasper Francis Cro
- **Role:* painter
- **Name [link to authority]:* unknown Indian
- **Creation Date*: 1860
- **Subject:* ◆ landscape, ◆ Hudson River, ◆ autumn, ◆ sunrise, ◆ dawn, ◆ trees, ◆ clouds
- **Current Location**: **National Gallery of Art** (Washington, DC, USA), Gift of the Avalon Founda
- *Creation Location:* Uttar Pradesh (I

Geographic Place Authority Record
- *Record Type [controlled]:* administrative entity
- **Names*:
  - **Washington** *(preferred)*
  - Federal Capital
  - Nation's Capital
  - Washington City
- *Display Broader Context*: D
- **Hierarchical Position [link]*
  - North and Central A
  - .... United States
  - .... District of C district)
  - .... Washin

- May include records for corporate bodies: firms, repositories
- Authorities linked to each other



- May include records for unknown artists

Personal and Corporate Name Authority Record
- *Record Type [controlled]*: unknown artist
- **Names*:
  - **unknown Yup'ik**
  - unknown Yupik
  - anonymous Yupik Eskimo
- **Display Biography*: Yup'ik artist
- *Nationality/Culture:* Yup'ik
  - Native American
  - ... <Arctic Native American styles>
  - ..... <Alaskan Native styles>
  - .... Yup'ik

- *Class*: sculpture ◆ **Work Type:* r
- **Title*: Yup'ik mask (Nepcetaq)
- **Creator Display*: **unknown Yup'ik**
- **Role:* sculptor
- **Name [link to authority]:* **unknown Yup'ik**
- **Creation Date*: 20th century
- **Subject:* ◆ face ◆ shield ◆ ceremony ◆ shaman
- **Current Location**: National Museum of Natural Hi (Washington, DC); SI, 153624
- *Creation Location:* Alaska (USA, North America)
- **Measurements:* 35.6 cm (width) (14 1/16 inches)
- **Materials and Techniques :* wood, paint, feathers *De* Nepcetaq (shaman mask) represents a face peering through a triangu red, white, and black. The mask was used in dances and ceremonies, the long winter darkness when dances and storytelling took place i g these masks.

Geographic Place Authority

- Geographic places in this authority include administrative entities and physical features

Names (preferred, alternates, and variants) *(required)*
Place Type *(required)*
Broader Context *(required)*
Sources *(required)*
Record Type
Coordinates
Dates
Related Places
Note

- **Geographic Place Authority Record**
- *Record Type [controlled]:* administrative entity
- **Names*:
  - **Karnak** *(preferred)*
  - Al-Karnak
  - El Kharnâk
- *Display Broader Context*: Qina governorate, Egypt
- **Hierarchical Position [link]:*
  - Africa (continent)
  - .... Egypt (nation)
  - .... Upper Egypt (region)
  - .... Qina (governorate)
  - .... Karnak (inhabited place)

e Type [controlled]:
inhabited place
dinates [controlled]:
Lat: 25 43 00 N degrees minutes
- *Long:* 032 39 00 E degrees minutes
- (*Lat:* 25.7167 decimal degrees)
- (*Long:* 32.6500 decimal degrees)

: Village on E bank of the Nile in Upper ; with Luxor, Karnak is on the site of ancient Thebes; location of temple of Amen, considered one of the finest examples of early New Kingdom religious architecture; also has many Middle Kingdom remains.

- **Sources [link to Source Records]*:
- *Getty Thesaurus of Geographic Names* (1988-)
- NIMA, *GEOnet Names Server* (2000-)

Populated by TGN

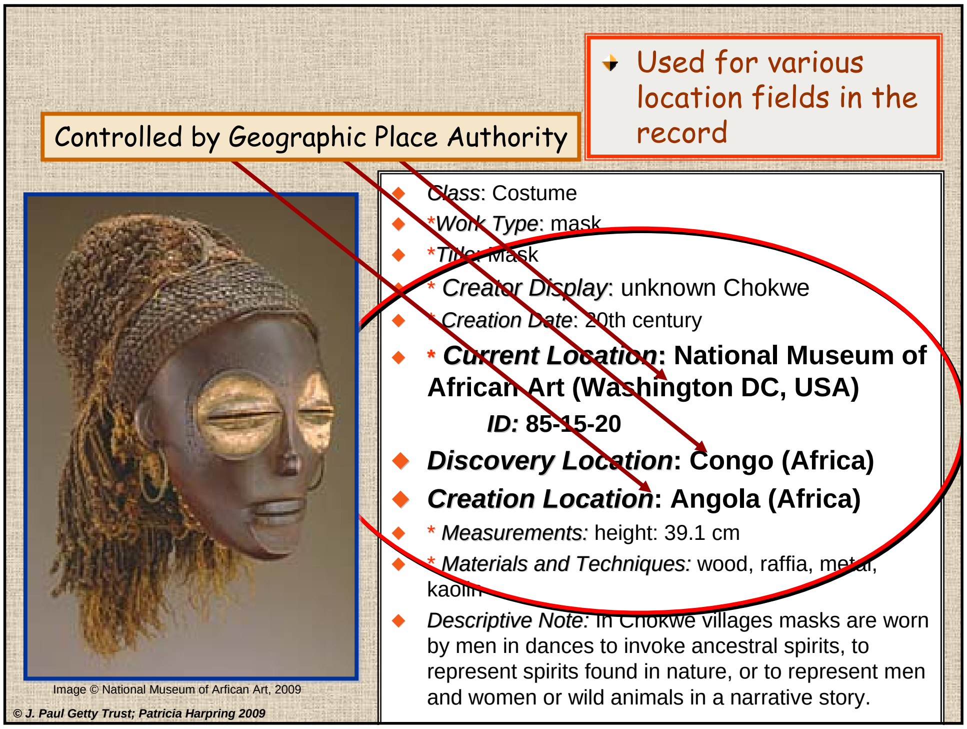
s *[cont.]:* sculpture
- **Work Type [link to Concept Authority]:* statue
- **Title*: Colossal Head of Akhenaten
- **Creator Display:* unknown Egyptian, New Kingdom

*•*Role [cont.]:* sculptor •*[link]:* unknown Egyptian
- **Creation Date:* ca. 1350 BCE *[cont.]:* •*Start:* 1353 •*End:* 1336
- **Subject [link to authorities]:* •Akhenaten (king of Egypt, ruled 1353–1336 BCE)
- **Current Location [link]*: Egyptian Museum (Cairo, Egypt)
- *Discovery Location [link]:* Karnak (Qina governorate, Egypt)
- *Style:* Eighteenth Dynasty (New Kingdom)
- **Measurements:* height: 153 cm (61 inches) *[controlled]:* •*Value*: 153 *Unit*: cm *Type*: height

**Material /Technique:* limestone *[link]* •limestone

- **Geographic Place Authority Record**
- *Record Type [controlled]:* administrative entity
- **Names*:
  - **Karnak** *(preferred)*
  - Al-Karnak
  - El Kharnâk
- *Display Broader Context*: Qina governorate, Egypt
- **Hierarchical Position [link]:*
  - Africa (continent)
  - .... Egypt (nation)
  - .... Upper Egypt (region)
  - .... Qina (governorate)
  - .... Karnak (inhabited place)
- **Place Type [controlled]*:
  - inhabited place
- *Coordinates [controlled]*:
  - *Lat:* 25 43 00 N degrees minutes
    - *Long:* 032 39 00 E degrees minutes
    - (*Lat:* 25.7167 decimal degrees)
    - (*Long:* 32.6500 decimal degrees)
- *Note*: Village on E bank of the Nile in Upper Egypt; with Luxor, Karnak is on the site of ancient Thebes; location of temple of Amen, considered one of the finest examples of early New Kingdom religious architecture; also has many Middle Kingdom remains.
- **Sources [link to Source Records]*:
- *Getty Thesaurus of Geographic Names* (1988-)
- NIMA, *GEOnet Names Server* (2000-)

image: © Egyptian Museum, photo © National Geographic Magazine

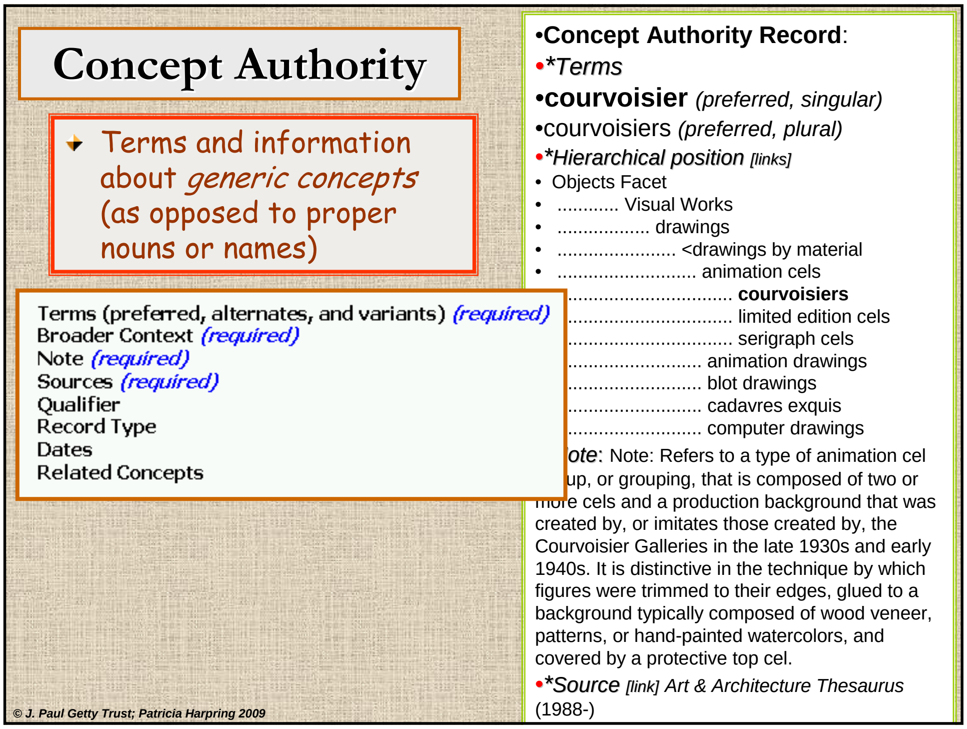


- Used for various location fields in the record

Controlled by Geographic Place Authority

- *Class*: Costume
- **Work Type*: mask
- **Title*: Mask
- * *Creator Display*: unknown Chokwe
- * *Creation Date*: 20th century
- * ***Current Location*: National Museum of African Art (Washington DC, USA)**
  ***ID:* 85-15-20**
- ***Discovery Location*: Congo (Africa)**
- ***Creation Location*: Angola (Africa)**
- * *Measurements:* height: 39.1 cm
- * *Materials and Techniques:* wood, raffia, metal, kaolin
- *Descriptive Note:* In Chokwe villages masks are worn by men in dances to invoke ancestral spirits, to represent spirits found in nature, or to represent men and women or wild animals in a narrative story.

Image © National Museum of Afican Art, 2009



Concept Authority

- Terms and information about *generic concepts* (as opposed to proper nouns or names)

Terms (preferred, alternates, and variants) *(required)*
Broader Context *(required)*
Note *(required)*
Sources *(required)*
Qualifier
Record Type
Dates
Related Concepts

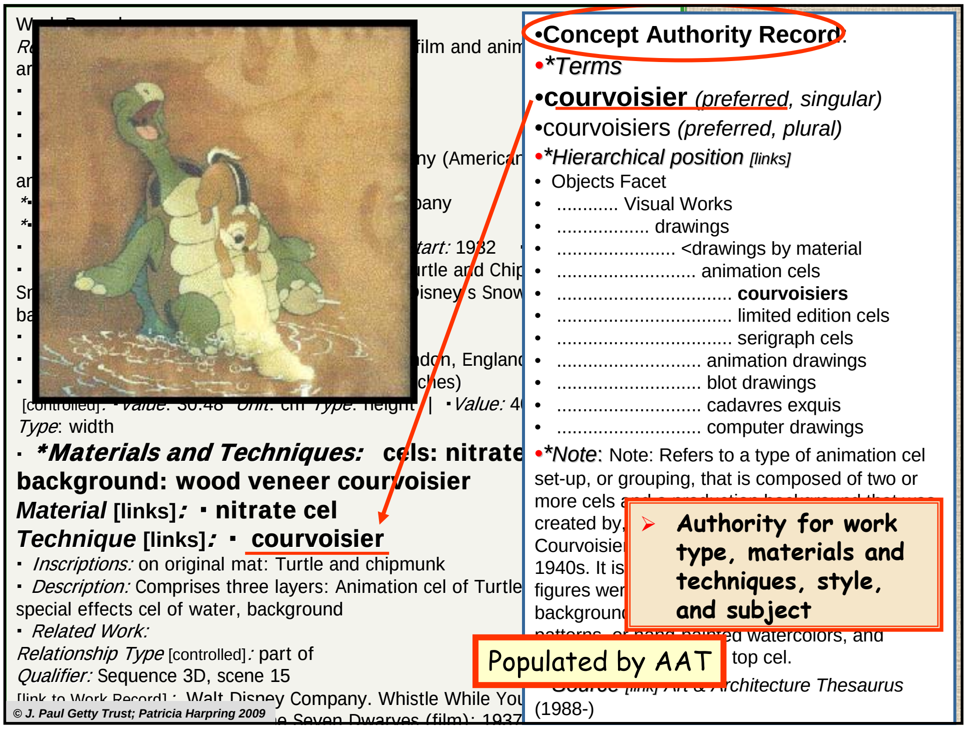
•**Concept Authority Record**:
•**Terms*
•**courvoisier** *(preferred, singular)*
•courvoisiers *(preferred, plural)*
•**Hierarchical position* *[links]*

- Objects Facet
- .... Visual Works
- .... drawings
- .... <drawings by material
- .... animation cels

.... **courvoisiers**
.... limited edition cels
.... serigraph cels
.... animation drawings
.... blot drawings
.... cadavres exquis
.... computer drawings

ote: Note: Refers to a type of animation cel up, or grouping, that is composed of two or more cels and a production background that was created by, or imitates those created by, the Courvoisier Galleries in the late 1930s and early 1940s. It is distinctive in the technique by which figures were trimmed to their edges, glued to a background typically composed of wood veneer, patterns, or hand-painted watercolors, and covered by a protective top cel.

•**Source* *[link] Art & Architecture Thesaurus* (1988-)



Type: width

- ***Materials and Techniques:*** **cels: nitrate**

background: wood veneer courvoisier

Material **[links]*:*** **▪ nitrate cel**

Technique **[links]*:*** **▪ courvoisier**

- *Inscriptions:* on original mat: Turtle and chipmunk
- *Description:* Comprises three layers: Animation cel of Turtle special effects cel of water, background
- *Related Work:*

Relationship Type [controlled]*:* part of

Qualifier: Sequence 3D, scene 15

•**Concept Authority Record**:

•**Terms*

•**courvoisier** *(preferred, singular)*

•courvoisiers *(preferred, plural)*

•**Hierarchical position* *[links]*

- Objects Facet
- .... Visual Works
- .... drawings
- .... <drawings by material
- .... animation cels
- .... **courvoisiers**
- .... limited edition cels
- .... serigraph cels
- .... animation drawings
- .... blot drawings
- .... cadavres exquis
- .... computer drawings

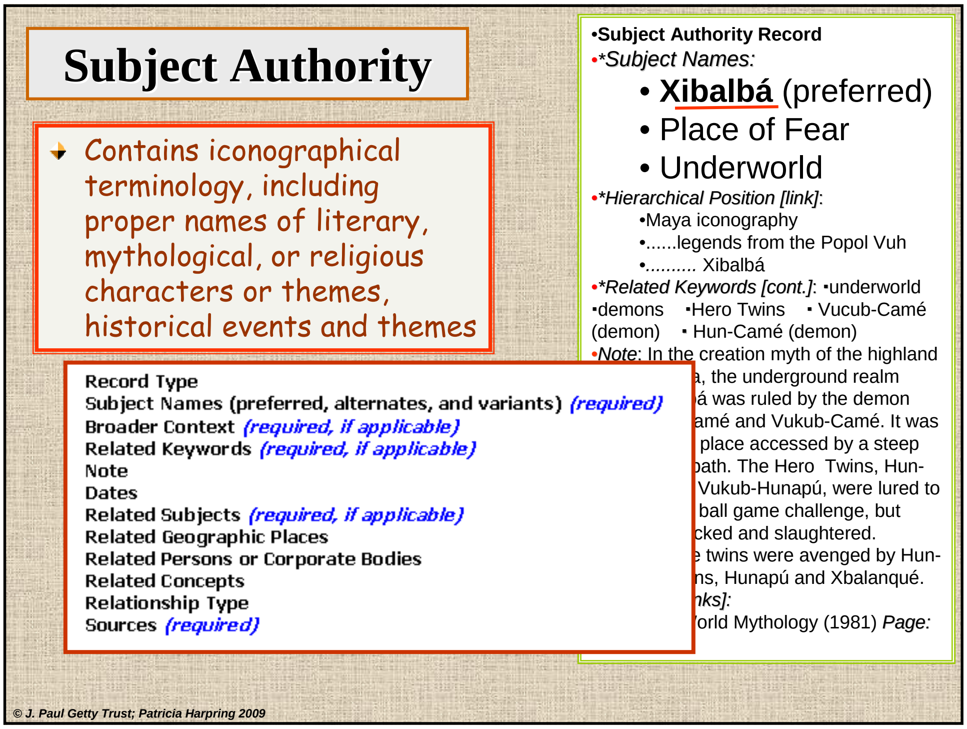
•**Note*: Note: Refers to a type of animation cel set-up, or grouping, that is composed of two or more cels

➢ **Authority for work type, materials and techniques, style, and subject**

Populated by AAT

top cel.

Art & Architecture Thesaurus (1988-)



Subject Authority

- Contains iconographical terminology, including proper names of literary, mythological, or religious characters or themes, historical events and themes

Record Type
Subject Names (preferred, alternates, and variants) *(required)*
Broader Context *(required, if applicable)*
Related Keywords *(required, if applicable)*
Note
Dates
Related Subjects *(required, if applicable)*
Related Geographic Places
Related Persons or Corporate Bodies
Related Concepts
Relationship Type
Sources *(required)*

•**Subject Authority Record**

•**Subject Names:*

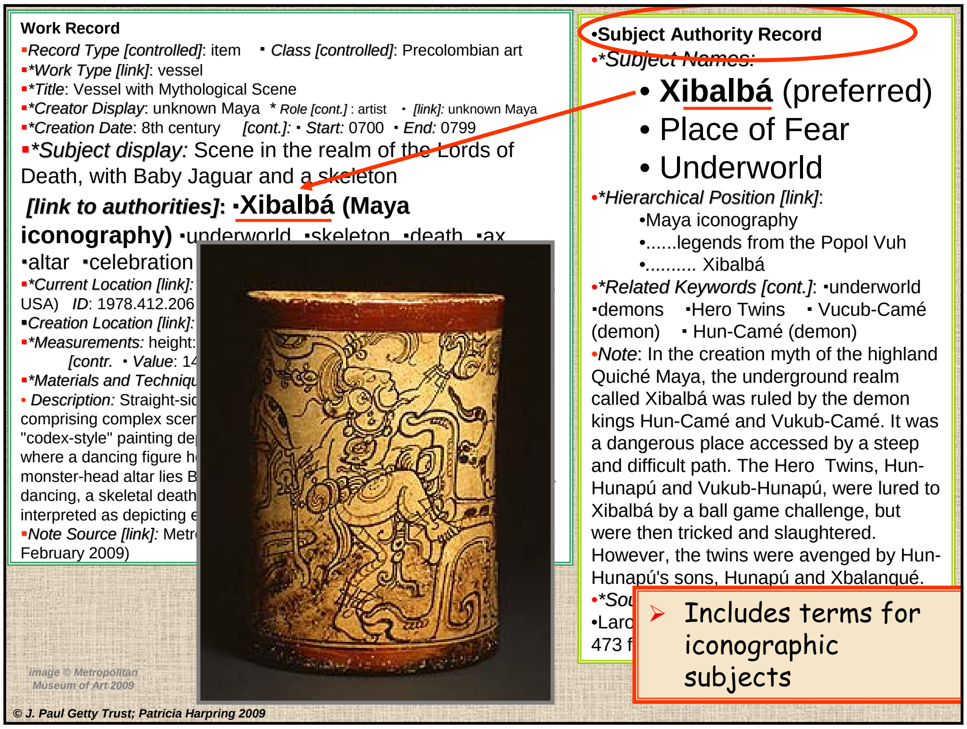
- **Xibalbá** (preferred)
- Place of Fear
- Underworld

•**Hierarchical Position [link]*:

- •Maya iconography
- •......legends from the Popol Vuh
- •.......... Xibalbá

•**Related Keywords [cont.]*: ▪underworld ▪demons ▪Hero Twins ▪ Vucub-Camé (demon) ▪ Hun-Camé (demon)

•*Note*: In the creation myth of the highland



Work Record

- *Record Type [controlled]*: item ▪ *Class [controlled]*: Precolombian art
- **Work Type [link]*: vessel
- **Title*: Vessel with Mythological Scene
- **Creator Display*: unknown Maya * *Role [cont.]* : artist ▪ *[link]:* unknown Maya
- **Creation Date*: 8th century *[cont.]:* ▪ *Start:* 0700 ▪ *End:* 0799
- **Subject display:* Scene in the realm of the Lords of Death, with Baby Jaguar and a skeleton

***[link to authorities]*: ▪Xibalbá (Maya iconography)** ▪underworld ▪skeleton ▪death ▪ax ▪altar ▪celebration

- **Current Location [link]:*
USA) *ID*: 1978.412.206
- *Creation Location [link]:*
- **Measurements:* height:
[contr. ▪ *Value*: 14
- **Materials and Techniqu*
- *Description:* Straight-sid
comprising complex scen
"codex-style" painting de
where a dancing figure h
monster-head altar lies B
dancing, a skeletal death
interpreted as depicting e
- *Note Source [link]:* Metr
February 2009)

image © Metropolitan Museum of Art 2009

•Subject Authority Record

•**Subject Names:*

- **Xibalbá** (preferred)
- Place of Fear
- Underworld

•**Hierarchical Position [link]*:
- •Maya iconography
- •......legends from the Popol Vuh
- •.......... Xibalbá

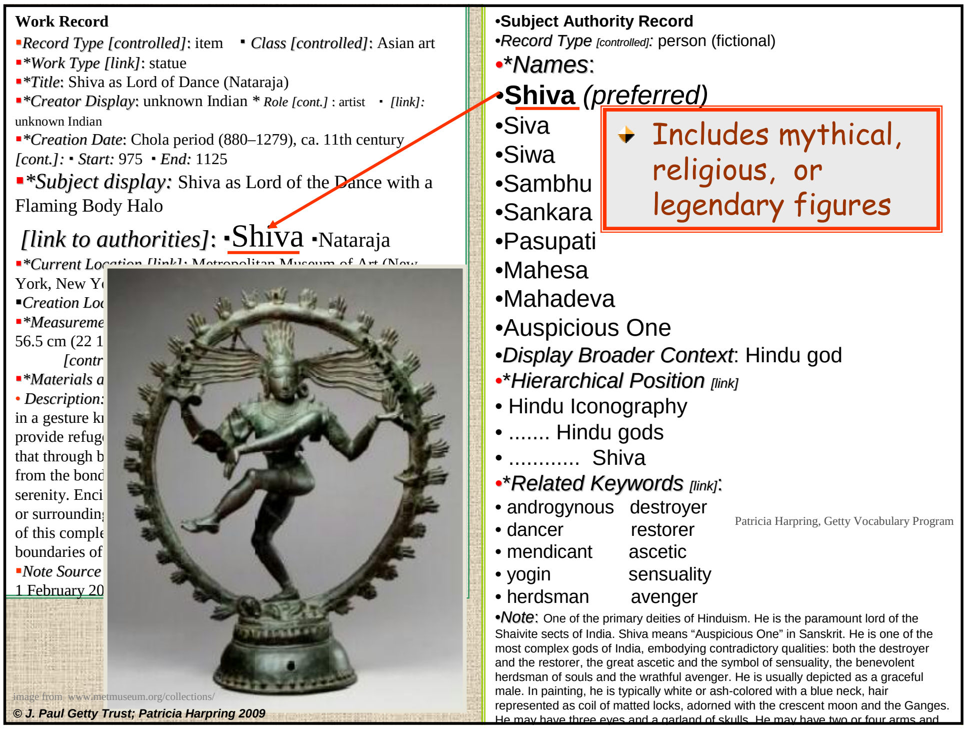
•**Related Keywords [cont.]*: ▪underworld ▪demons ▪Hero Twins ▪ Vucub-Camé (demon) ▪ Hun-Camé (demon)

•*Note*: In the creation myth of the highland Quiché Maya, the underground realm called Xibalbá was ruled by the demon kings Hun-Camé and Vukub-Camé. It was a dangerous place accessed by a steep and difficult path. The Hero Twins, Hun-Hunapú and Vukub-Hunapú, were lured to Xibalbá by a ball game challenge, but were then tricked and slaughtered. However, the twins were avenged by Hun-Hunapú's sons, Hunapú and Xbalanqué.

•**Sou*
•Laro
473 f

➢ Includes terms for iconographic subjects

© J. Paul Getty Trust; Patricia Harpring 2009



Work Record

- *Record Type [controlled]*: item ▪ *Class [controlled]*: Asian art
- **Work Type [link]*: statue
- **Title*: Shiva as Lord of Dance (Nataraja)
- **Creator Display*: unknown Indian * *Role [cont.]* : artist ▪ *[link]:* unknown Indian
- **Creation Date*: Chola period (880–1279), ca. 11th century *[cont.]:* ▪ *Start:* 975 ▪ *End:* 1125
- **Subject display:* Shiva as Lord of the Dance with a Flaming Body Halo

[link to authorities]: ▪Shiva ▪Nataraja

- **Current Location [link]:* Metropolitan Museum of Art (New
York, New Y
- *Creation Loc*
- **Measureme*
56.5 cm (22 1
[contr
- **Materials a*
- *Description:*
in a gesture k
provide refug
that through b
from the bond
serenity. Enci
or surroundin
of this comple
boundaries of
- *Note Source*
1 February 20

image from www.metmuseum.org/collections/

© J. Paul Getty Trust; Patricia Harpring 2009

•Subject Authority Record

•*Record Type* *[controlled]*: person (fictional)

•**Names*:
- **Shiva** *(preferred)*
- Siva
- Siwa
- Sambhu
- Sankara
- Pasupati
- Mahesa
- Mahadeva
- Auspicious One

•*Display Broader Context*: Hindu god

•**Hierarchical Position* *[link]*
- Hindu Iconography
- .... Hindu gods
- .... Shiva

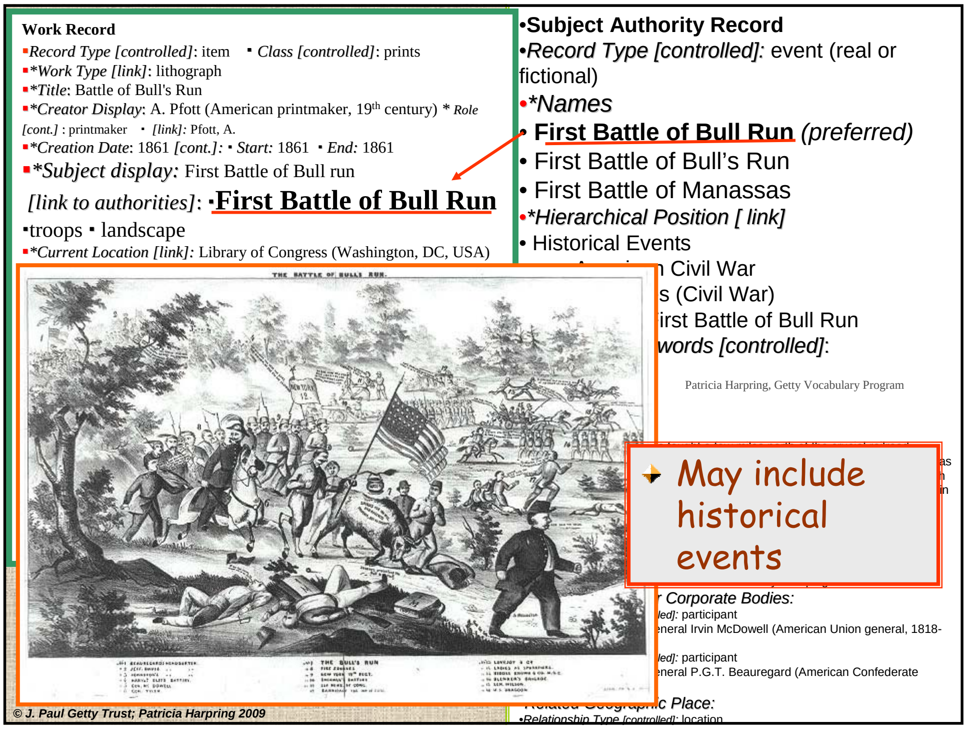
•**Related Keywords* *[link]*:

• androgynous	destroyer
• dancer	restorer
• mendicant	ascetic
• yogin	sensuality
• herdsman	avenger

•*Note*: One of the primary deities of Hinduism. He is the paramount lord of the Shaivite sects of India. Shiva means "Auspicious One" in Sanskrit. He is one of the most complex gods of India, embodying contradictory qualities: both the destroyer and the restorer, the great ascetic and the symbol of sensuality, the benevolent herdsman of souls and the wrathful avenger. He is usually depicted as a graceful male. In painting, he is typically white or ash-colored with a blue neck, hair represented as coil of matted locks, adorned with the crescent moon and the Ganges. He may have three eyes and a garland of skulls. He may have two or four arms and

➢ Includes mythical, religious, or legendary figures

Patricia Harpring, Getty Vocabulary Program



Work Record

- *Record Type [controlled]*: item ▪ *Class [controlled]*: prints
- **Work Type [link]*: lithograph
- **Title*: Battle of Bull's Run
- **Creator Display*: A. Pfott (American printmaker, 19th century) * *Role [cont.]* : printmaker ▪ *[link]:* Pfott, A.
- **Creation Date*: 1861 *[cont.]:* ▪ *Start:* 1861 ▪ *End:* 1861
- **Subject display:* First Battle of Bull run

[link to authorities]: ▪**First Battle of Bull Run**

▪troops ▪ landscape

- **Current Location [link]:* Library of Congress (Washington, DC, USA)

- **Subject Authority Record**
- *Record Type [controlled]:* event (real or fictional)
- **Names*
- **First Battle of Bull Run** *(preferred)*
- First Battle of Bull's Run
- First Battle of Manassas
- **Hierarchical Position [link]*
- Historical Events

n Civil War

s (Civil War)

irst Battle of Bull Run

words [controlled]:

Patricia Harpring, Getty Vocabulary Program

as

n

in

- May include historical events

r Corporate Bodies:

led]: participant

eneral Irvin McDowell (American Union general, 1818-

led]: participant

eneral P.G.T. Beauregard (American Confedearate

Related Geographic Place:

- *Relationship Type [controlled]:* location

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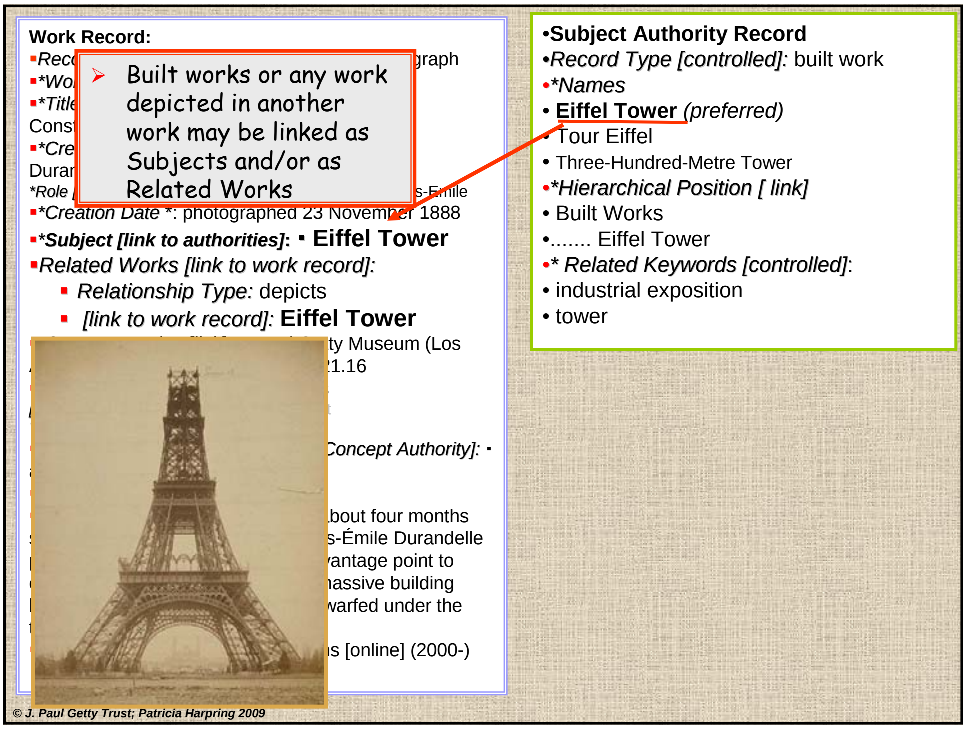

Work Record:

- *Rec*
- **Wo*
- **Title*

Const

- **Cre*

Durar

**Role*

graph

s-Emile

- **Creation Date **: photographed 23 November 1888
- ****Subject [link to authorities]*:** ▪ **Eiffel Tower**
- *Related Works [link to work record]:*
  - *Relationship Type:* depicts
  - *[link to work record]:* **Eiffel Tower**

ty Museum (Los

21.16

Concept Authority]: ▪

bout four months

s-Émile Durandelle

vantage point to

nassive building

warfed under the

s [online] (2000-)

- Built works or any work depicted in another work may be linked as Subjects and/or as Related Works

- **Subject Authority Record**
- *Record Type [controlled]:* built work
- **Names*
- **Eiffel Tower** *(preferred)*
- Tour Eiffel
- Three-Hundred-Metre Tower
- **Hierarchical Position [link]*
- Built Works
- .... Eiffel Tower
- ** Related Keywords [controlled]*:
- industrial exposition
- tower

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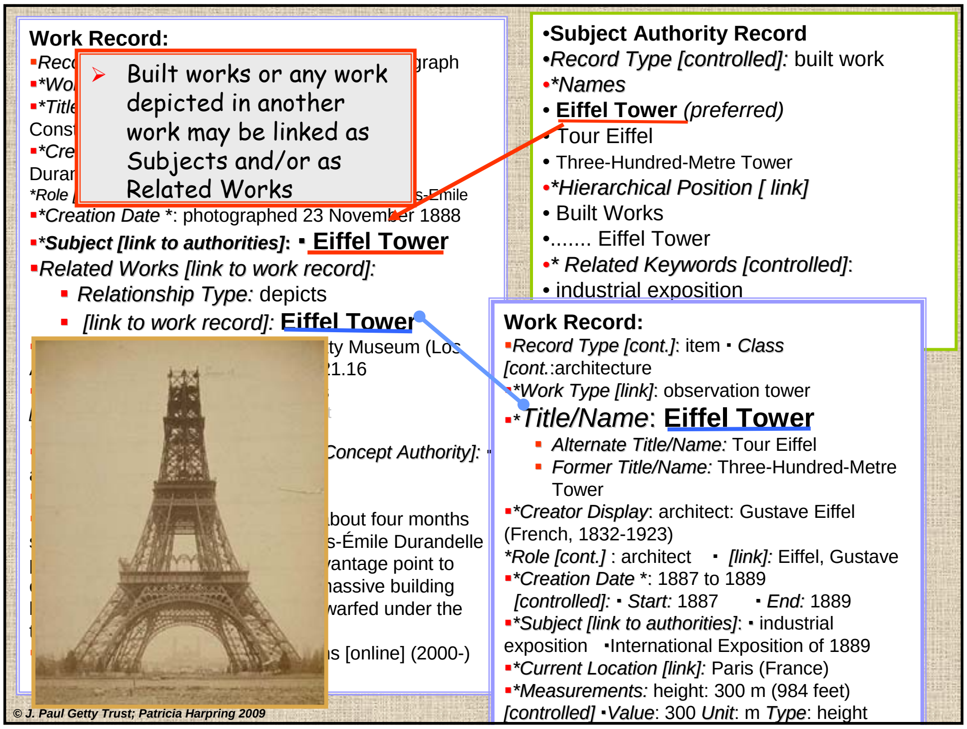

Work Record:

- *Rec* … graph
- **Wo*
- **Title*
Cons
- **Cre*
Durar
**Role* … s-Emile
- **Creation Date **: photographed 23 November 1888
- ****Subject [link to authorities]*:** ▪ **Eiffel Tower**
- *Related Works [link to work record]:*
  - *Relationship Type:* depicts
  - *[link to work record]:* **Eiffel Tower**

ty Museum (Los
1.16

Concept Authority]:

bout four months
s-Émile Durandelle
antage point to
assive building
warfed under the

s [online] (2000-)

- Built works or any work depicted in another work may be linked as Subjects and/or as Related Works

- **Subject Authority Record**
- *Record Type [controlled]:* built work
- **Names*
- **Eiffel Tower** *(preferred)*
- Tour Eiffel
- Three-Hundred-Metre Tower
- **Hierarchical Position [link]*
- Built Works
- .... Eiffel Tower
- ** Related Keywords [controlled]*:
- industrial exposition

Work Record:

- *Record Type [cont.]*: item ▪ *Class [cont.*:architecture
- **Work Type [link]*: observation tower
- **Title/Name*: **Eiffel Tower**
  - *Alternate Title/Name:* Tour Eiffel
  - *Former Title/Name:* Three-Hundred-Metre Tower
- **Creator Display*: architect: Gustave Eiffel (French, 1832-1923)
**Role [cont.]* : architect ▪ *[link]:* Eiffel, Gustave
- **Creation Date **: 1887 to 1889
[controlled]: ▪ *Start:* 1887 ▪ *End:* 1889
- **Subject [link to authorities]*: ▪ industrial exposition ▪International Exposition of 1889
- **Current Location [link]:* Paris (France)
- **Measurements:* height: 300 m (984 feet)
[controlled] ▪*Value*: 300 *Unit*: m *Type*: height

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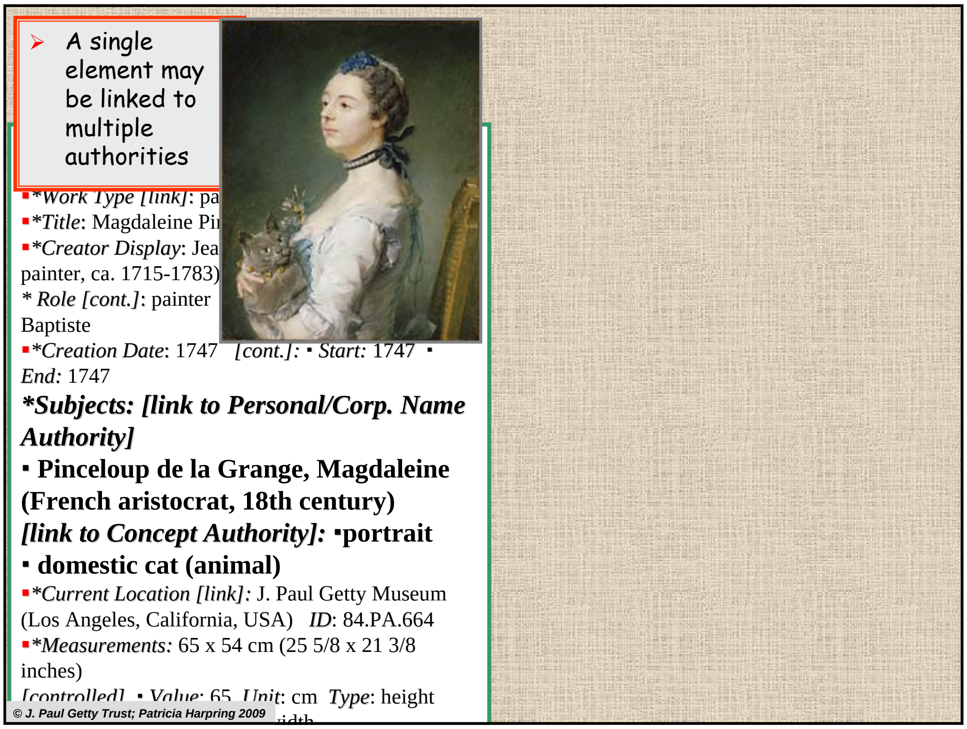

- A single element may be linked to multiple authorities

- **Work Type [link]*: pa
- **Title*: Magdaleine Pi
- **Creator Display*: Jea
painter, ca. 1715-1783)
** Role [cont.]*: painter
Baptiste
- **Creation Date*: 1747 *[cont.]:* ▪ *Start:* 1747 ▪ *End:* 1747

****Subjects: [link to Personal/Corp. Name Authority]***
▪ Pinceloup de la Grange, Magdaleine (French aristocrat, 18th century)
***[link to Concept Authority]:* ▪portrait**
▪ domestic cat (animal)

- **Current Location [link]:* J. Paul Getty Museum (Los Angeles, California, USA) *ID*: 84.PA.664
- **Measurements:* 65 x 54 cm (25 5/8 x 21 3/8 inches)
[controlled] ▪ *Value*: 65 *Unit*: cm *Type*: height

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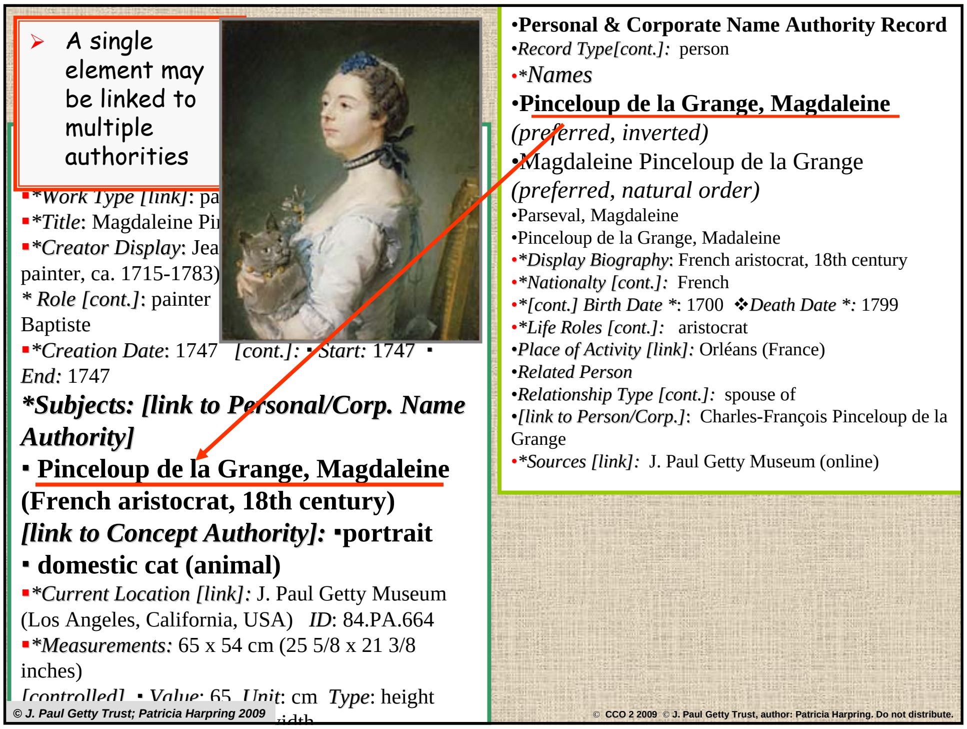

- A single element may be linked to multiple authorities

▪*Work Type [link]: pa
▪*Title: Magdaleine Pi
▪*Creator Display: Jea
painter, ca. 1715-1783)
* Role [cont.]: painter
Baptiste
▪*Creation Date: 1747 [cont.]: ▪ Start: 1747 ▪
End: 1747

***Subjects: [link to Personal/Corp. Name Authority]**

▪ **Pinceloup de la Grange, Magdaleine (French aristocrat, 18th century)**

[link to Concept Authority]: **▪portrait**

▪ **domestic cat (animal)**

▪*Current Location [link]: J. Paul Getty Museum (Los Angeles, California, USA) ID: 84.PA.664
▪*Measurements: 65 x 54 cm (25 5/8 x 21 3/8 inches)
[controlled] ▪ Value: 65 Unit: cm Type: height

•Personal & Corporate Name Authority Record
•*Record Type[cont.]:* person
•**Names*
•**Pinceloup de la Grange, Magdaleine** *(preferred, inverted)*
•Magdaleine Pinceloup de la Grange *(preferred, natural order)*
•Parseval, Magdaleine
•Pinceloup de la Grange, Madaleine
•**Display Biography*: French aristocrat, 18th century
•**Nationalty [cont.]:* French
•**[cont.] Birth Date* *: 1700 ❖*Death Date* *: 1799
•**Life Roles [cont.]:* aristocrat
•*Place of Activity [link]:* Orléans (France)
•*Related Person*
•*Relationship Type [cont.]:* spouse of
•*[link to Person/Corp.]*: Charles-François Pinceloup de la Grange
•**Sources [link]:* J. Paul Getty Museum (online)

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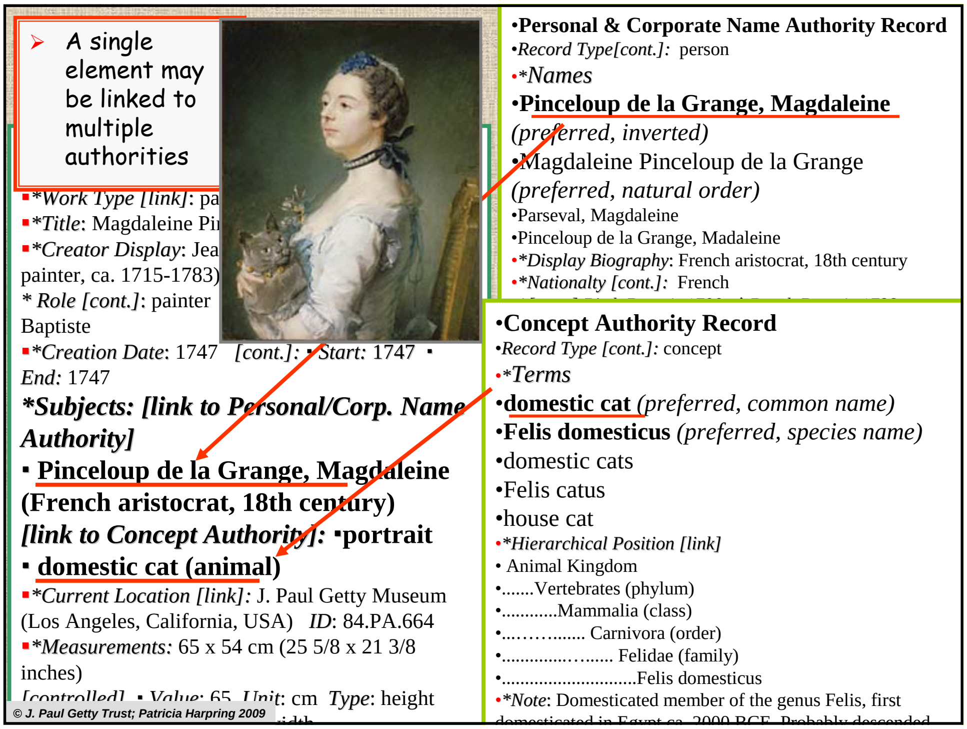


- A single element may be linked to multiple authorities

▪*Work Type [link]: pa
▪*Title: Magdaleine Pi
▪*Creator Display: Jea
painter, ca. 1715-1783)
* Role [cont.]: painter
Baptiste
▪*Creation Date: 1747 [cont.]: ▪ Start: 1747 ▪
End: 1747

***Subjects: [link to Personal/Corp. Name Authority]**

▪ **Pinceloup de la Grange, Magdaleine (French aristocrat, 18th century)**

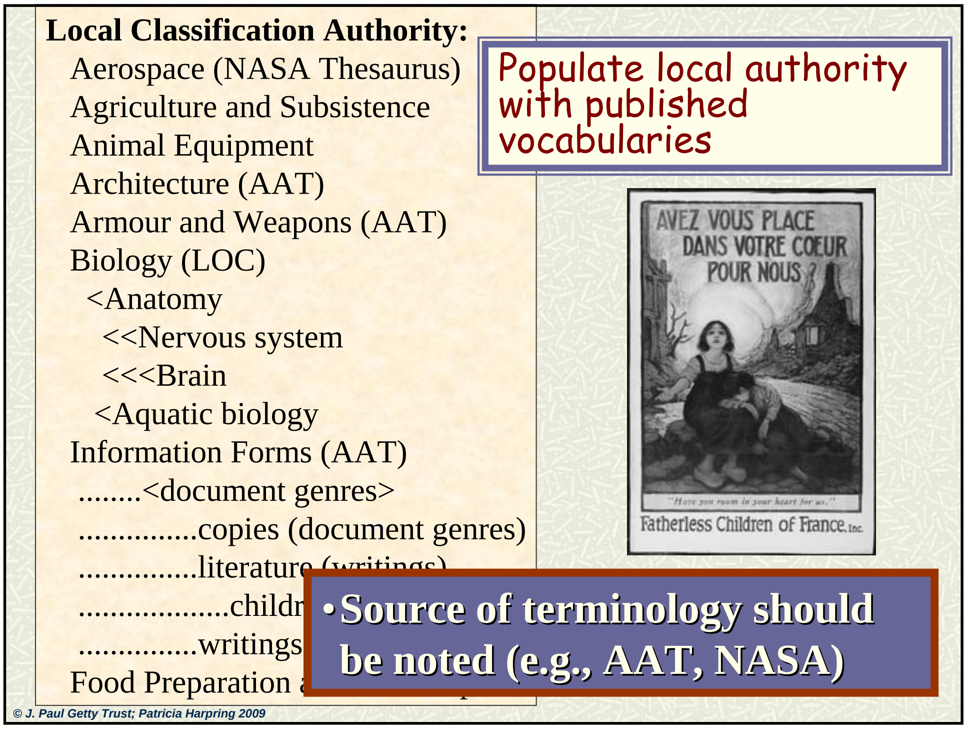
[link to Concept Authority]: **▪portrait**

▪ **domestic cat (animal)**

▪*Current Location [link]: J. Paul Getty Museum (Los Angeles, California, USA) ID: 84.PA.664
▪*Measurements: 65 x 54 cm (25 5/8 x 21 3/8 inches)
[controlled] ▪ Value: 65 Unit: cm Type: height

•Personal & Corporate Name Authority Record
•*Record Type[cont.]:* person
•**Names*
•**Pinceloup de la Grange, Magdaleine** *(preferred, inverted)*
•Magdaleine Pinceloup de la Grange *(preferred, natural order)*
•Parseval, Magdaleine
•Pinceloup de la Grange, Madaleine
•**Display Biography*: French aristocrat, 18th century
•**Nationalty [cont.]:* French

•Concept Authority Record
•*Record Type [cont.]:* concept
•**Terms*
•**domestic cat** *(preferred, common name)*
•**Felis domesticus** *(preferred, species name)*
•domestic cats
•Felis catus
•house cat
•**Hierarchical Position [link]*
• Animal Kingdom
•.......Vertebrates (phylum)
•............Mammalia (class)
•....……....... Carnivora (order)
•..............…....... Felidae (family)
•............................Felis domesticus
•**Note*: Domesticated member of the genus Felis, first

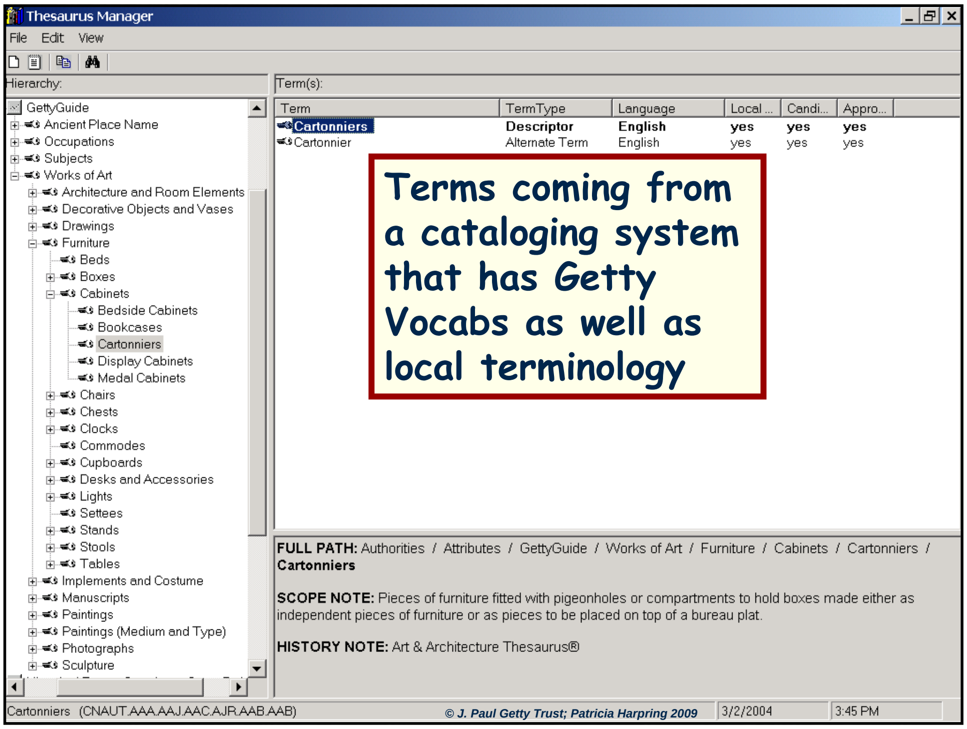

AVEZ VOUS PLACE DANS VOTRE COEUR POUR NOUS?
"Have you room in your heart for us."
Fatherless Children of France, Inc.

Local Classification Authority:

Aerospace (NASA Thesaurus)
Agriculture and Subsistence
Animal Equipment
Architecture (AAT)
Armour and Weapons (AAT)
Biology (LOC)
  <Anatomy
    <<Nervous system
    <<<Brain
   <Aquatic biology
Information Forms (AAT)
 ....<document genres>
 ....copies (document genres)
 ....literature (writings)
 ....childr
 ....writings
Food Preparation a

Populate local authority with published vocabularies

- Source of terminology should be noted (e.g., AAT, NASA)



- GettyGuide
  - Ancient Place Name
  - Occupations
  - Subjects
  - Works of Art
    - Architecture and Room Elements
    - Decorative Objects and Vases
    - Drawings
    - Furniture
      - Beds
      - Boxes
      - Cabinets
        - Bedside Cabinets
        - Bookcases
        - Cartonniers
        - Display Cabinets
        - Medal Cabinets
      - Chairs
      - Chests
      - Clocks
      - Commodes
      - Cupboards
      - Desks and Accessories
      - Lights
      - Settees
      - Stands
      - Stools
      - Tables
    - Implements and Costume
    - Manuscripts
    - Paintings
    - Paintings (Medium and Type)
    - Photographs
    - Sculpture

Term	TermType	Language	Local ...	Candi...	Appro...
Cartonniers	**Descriptor**	**English**	**yes**	**yes**	**yes**
Cartonnier	Alternate Term	English	yes	yes	yes

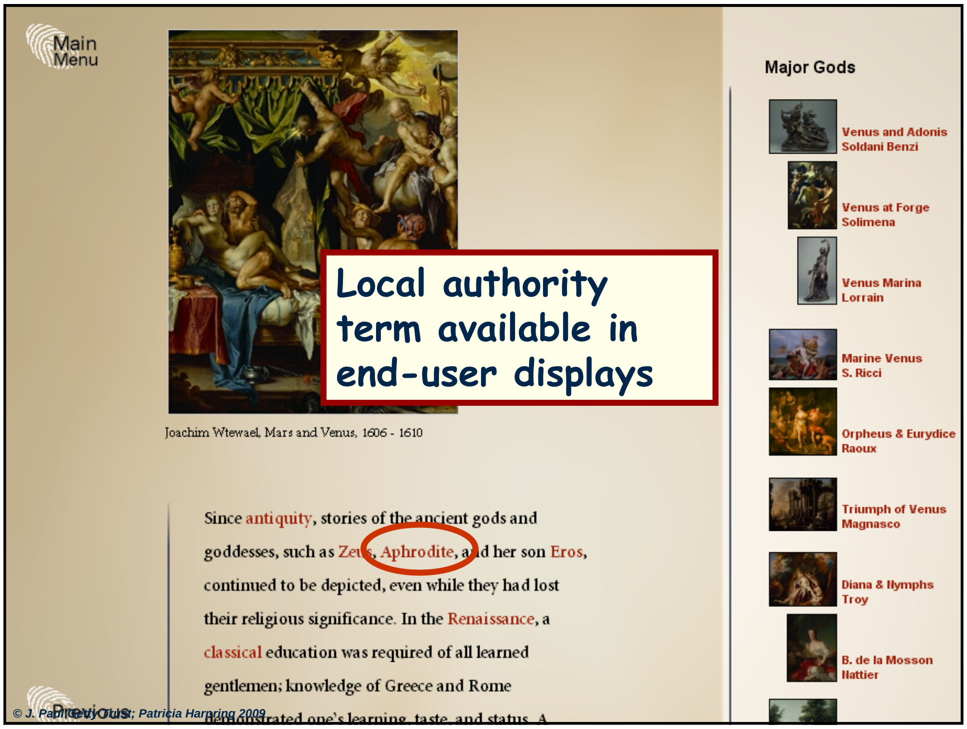
Terms coming from a cataloging system that has Getty Vocabs as well as local terminology

FULL PATH: Authorities / Attributes / GettyGuide / Works of Art / Furniture / Cabinets / Cartonniers / **Cartonniers**

SCOPE NOTE: Pieces of furniture fitted with pigeonholes or compartments to hold boxes made either as independent pieces of furniture or as pieces to be placed on top of a bureau plat.

HISTORY NOTE: Art & Architecture Thesaurus®

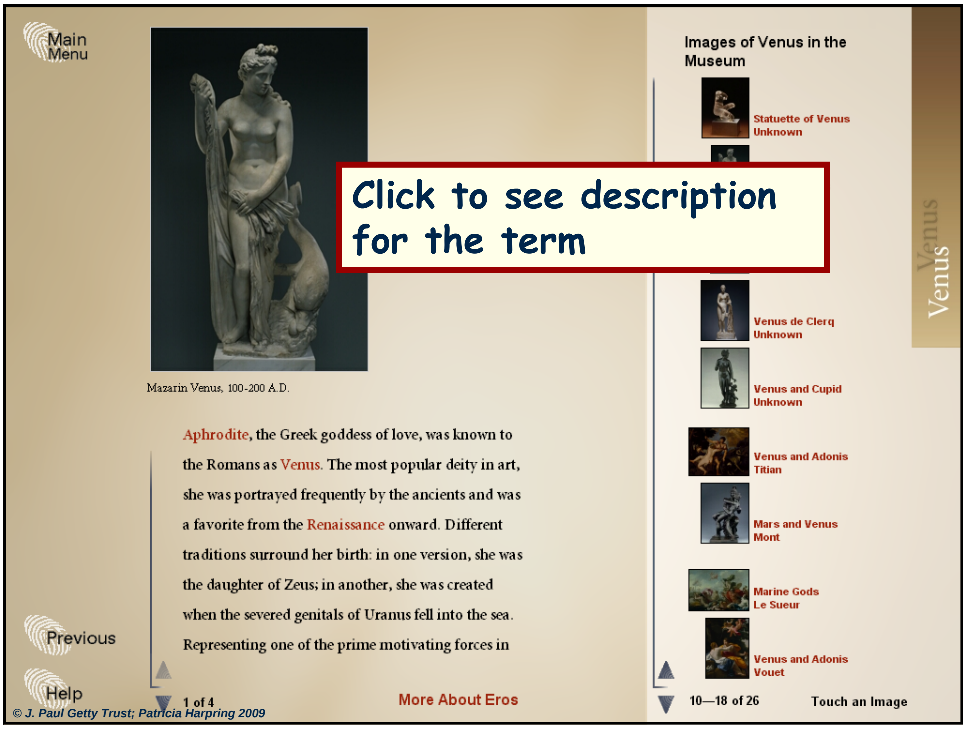
Cartonniers (CNAUT.AAA.AAJ.AAC.AJR.AAB.AAB) 3/2/2004 3:45 PM


Main Menu
Major Gods
Venus and Adonis Soldani Benzi
Venus at Forge Solimena
Venus Marina Lorrain
Marine Venus S. Ricci
Orpheus & Eurydice Raoux
Triumph of Venus Magnasco
Diana & Nymphs Troy
B. de la Mosson Nattier
Previous

Local authority term available in end-user displays

Joachim Wtewael, Mars and Venus, 1606 - 1610

Since antiquity, stories of the ancient gods and goddesses, such as Zeus, Aphrodite, and her son Eros, continued to be depicted, even while they had lost their religious significance. In the Renaissance, a classical education was required of all learned gentlemen; knowledge of Greece and Rome demonstrated one's learning, taste, and status. A

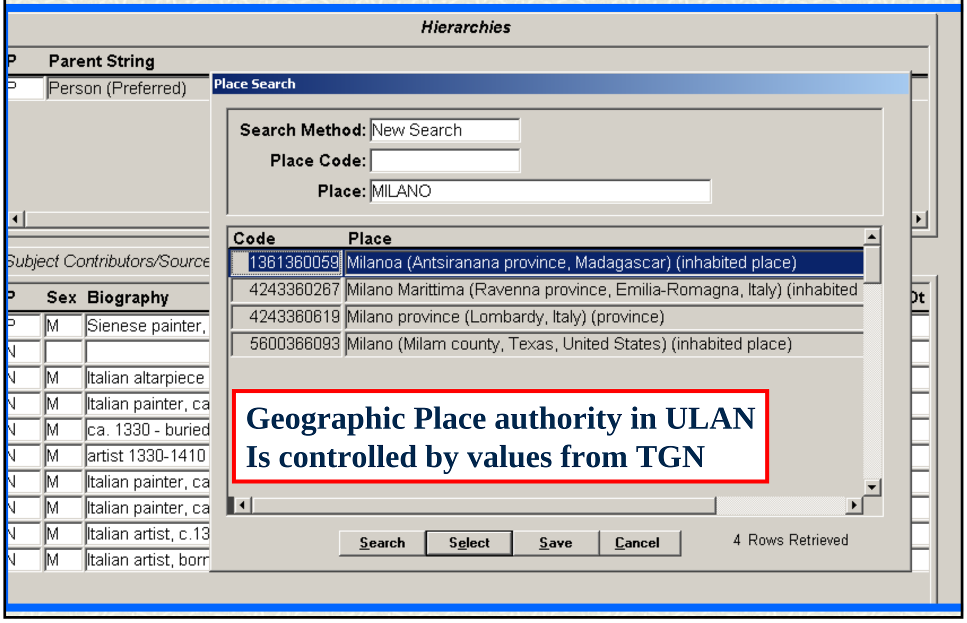

Main Menu
Images of Venus in the Museum
Statuette of Venus Unknown
Venus de Clerq Unknown
Venus and Cupid Unknown
Venus and Adonis Titian
Mars and Venus Mont
Marine Gods Le Sueur
Venus and Adonis Vouet
Venus
Previous
Help
1 of 4
More About Eros
10—18 of 26
Touch an Image

Click to see description for the term

Mazarin Venus, 100-200 A.D.

Aphrodite, the Greek goddess of love, was known to the Romans as Venus. The most popular deity in art, she was portrayed frequently by the ancients and was a favorite from the Renaissance onward. Different traditions surround her birth: in one version, she was the daughter of Zeus; in another, she was created when the severed genitals of Uranus fell into the sea. Representing one of the prime motivating forces in

Vocabularies used in applications other than cataloging works



Hierarchies
P
Parent String
Person (Preferred)
Subject Contributors/Source
P
Sex
Biography
M
Sienese painter,
Italian altarpiece
Italian painter, ca
ca. 1330 - buried
artist 1330-1410
Italian painter, ca
Italian painter, ca
Italian artist, c.13
Italian artist, borr
Place Search
Search
Select
Save
Cancel

Search Method: New Search
Place Code:
Place: MILANO

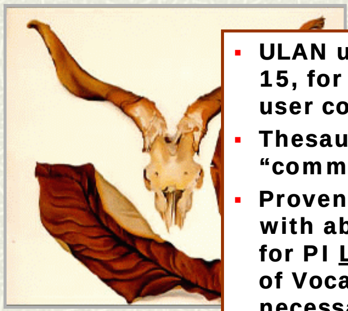
Code	Place
1361360059	Milanoa (Antsiranana province, Madagascar) (inhabited place)
4243360267	Milano Marittima (Ravenna province, Emilia-Romagna, Italy) (inhabited
4243360619	Milano province (Lombardy, Italy) (province)
5600366093	Milano (Milam county, Texas, United States) (inhabited place)

4 Rows Retrieved

Geographic Place authority in ULAN Is controlled by values from TGN

Variant names

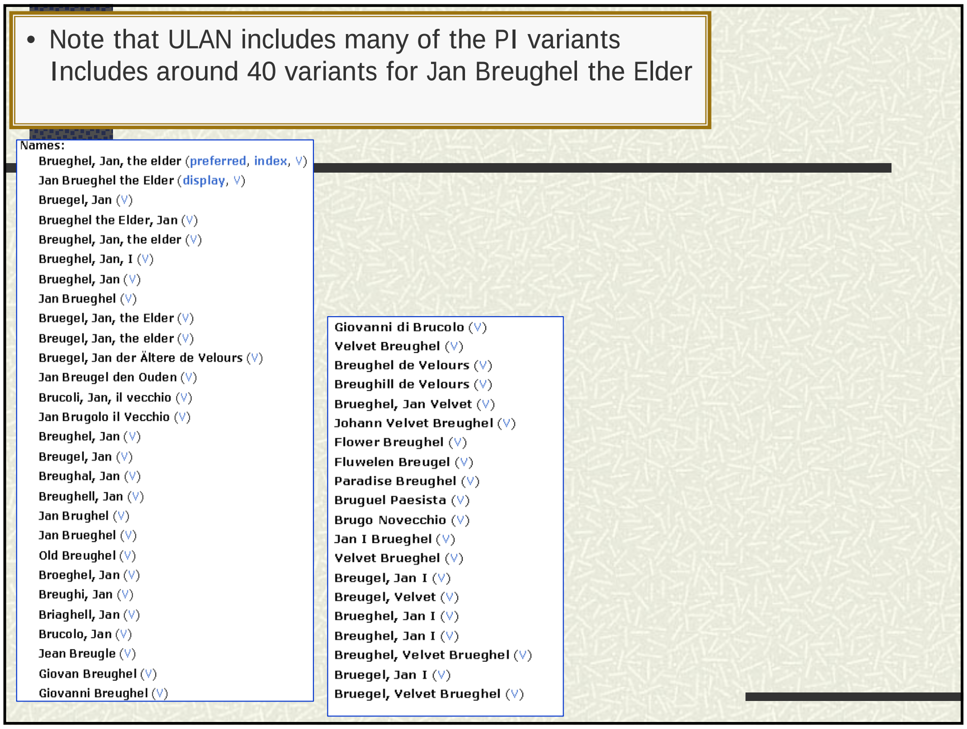
O'Keeffe, Georgia
Georgia O'Keeffe
O'Keefe, Georgia
Stieglitz, Alfred, Mrs



- **ULAN usually limits number of variants to around 15, for practical purposes of retrieval and to avoid user confusion**
- **Thesaurus standard recommends UFs are “commonly used”; ULAN is for general use**
- **Provenance Index will include obscure names with abbreviations or once-only spellings (critical for PI LOCAL AUTHORITY); it is the responsibility of Vocab, not Prov, to eliminate these variants as necessary in the published ULAN**

Georgia O'Keeffe; Ram's Skull With Brown Leaves; Ro
Mexico from: http://www.roswellmuseum.org/

Patricia Harpring © 2009 J. Paul Getty Trust

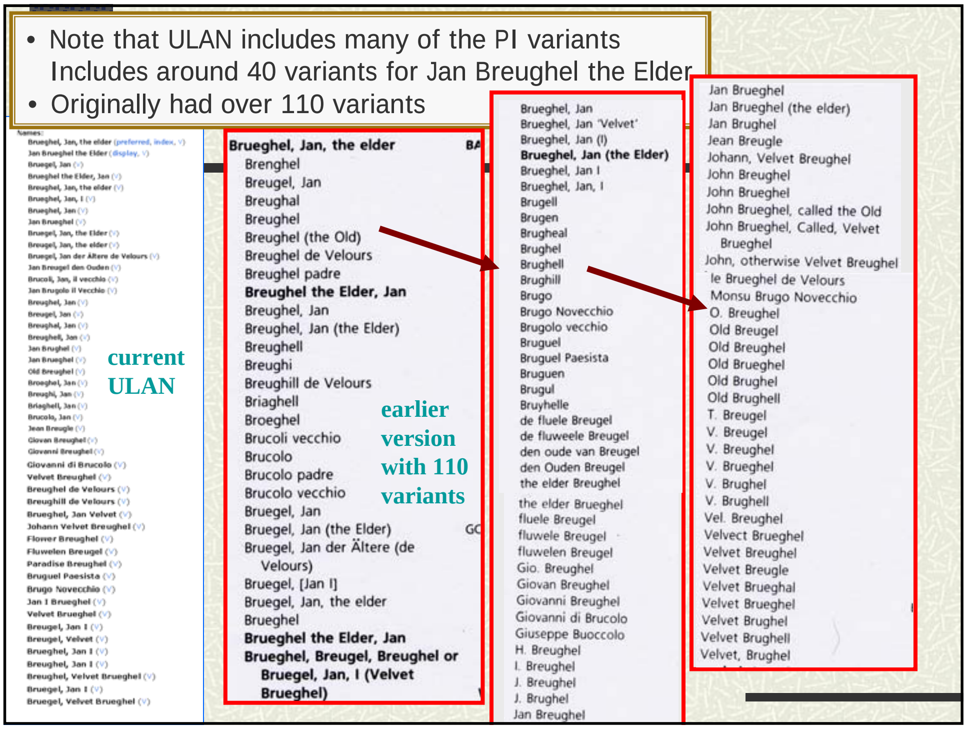


- Note that ULAN includes many of the PI variants Includes around 40 variants for Jan Breughel the Elder

Names:

Brueghel, Jan, the elder (preferred, index, V)
Jan Brueghel the Elder (display, V)
Bruegel, Jan (V)
Brueghel the Elder, Jan (V)
Breughel, Jan, the elder (V)
Brueghel, Jan, I (V)
Brueghel, Jan (V)
Jan Brueghel (V)
Bruegel, Jan, the Elder (V)
Breugel, Jan, the elder (V)
Bruegel, Jan der Ältere de Velours (V)
Jan Breugel den Ouden (V)
Brucoli, Jan, il vecchio (V)
Jan Brugolo il Vecchio (V)
Breughel, Jan (V)
Breugel, Jan (V)
Breughal, Jan (V)
Breughell, Jan (V)
Jan Brughel (V)
Jan Brueghel (V)
Old Breughel (V)
Broeghel, Jan (V)
Breughi, Jan (V)
Briaghell, Jan (V)
Brucolo, Jan (V)
Jean Breugle (V)
Giovan Breughel (V)
Giovanni Breughel (V)

Giovanni di Brucolo (V)
Velvet Breughel (V)
Breughel de Velours (V)
Breughill de Velours (V)
Brueghel, Jan Velvet (V)
Johann Velvet Breughel (V)
Flower Breughel (V)
Fluwelen Breugel (V)
Paradise Breughel (V)
Bruguel Paesista (V)
Brugo Novecchio (V)
Jan I Brueghel (V)
Velvet Brueghel (V)
Breugel, Jan I (V)
Breugel, Velvet (V)
Brueghel, Jan I (V)
Breughel, Jan I (V)
Breughel, Velvet Brueghel (V)
Bruegel, Jan I (V)
Bruegel, Velvet Brueghel (V)



- Note that ULAN includes many of the PI variants Includes around 40 variants for Jan Breughel the Elder
- Originally had over 110 variants

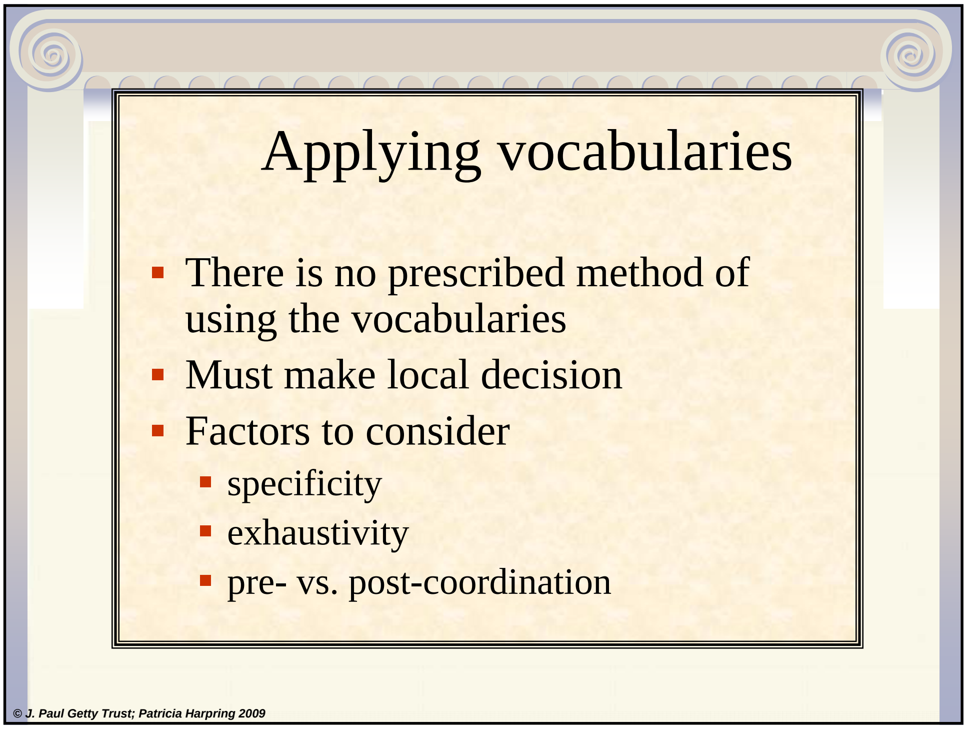
current ULAN

earlier version with 110 variants

Brueghel, Jan, the elder
Brenghel
Breugel, Jan
Breughal
Breughel
Breughel (the Old)
Breughel de Velours
Breughel padre
Breughel the Elder, Jan
Breughel, Jan
Breughel, Jan (the Elder)
Breughell
Breughi
Breughill de Velours
Briaghell
Broeghel
Brucoli vecchio
Brucolo
Brucolo padre
Brucolo vecchio
Bruegel, Jan
Bruegel, Jan (the Elder)
Bruegel, Jan der Ältere (de Velours)
Bruegel, [Jan I]
Bruegel, Jan, the elder
Brueghel
Brueghel the Elder, Jan
Brueghel, Breugel, Breughel or Bruegel, Jan, I (Velvet Brueghel)

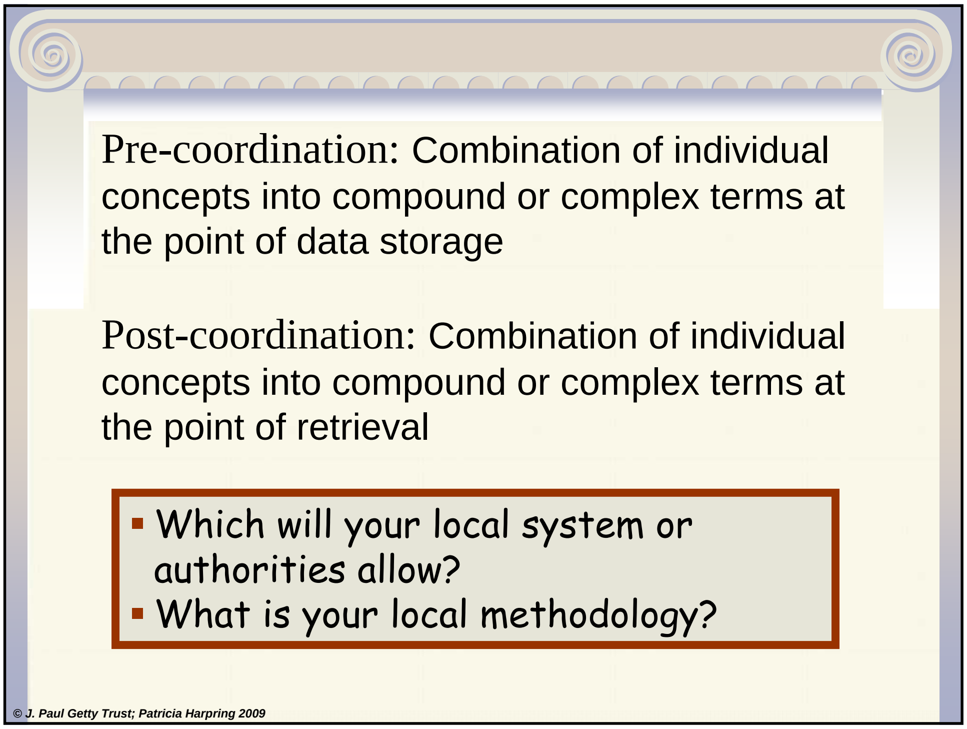
Brueghel, Jan
Brueghel, Jan 'Velvet'
Brueghel, Jan (I)
Brueghel, Jan (the Elder)
Brueghel, Jan I
Brueghel, Jan, I
Brugell
Brugen
Brugheal
Brughel
Brughell
Brughill
Brugo
Brugo Novecchio
Brugolo vecchio
Bruguel
Bruguel Paesista
Bruguen
Brugul
Bruyhelle
de fluele Breugel
de fluweele Breugel
den oude van Breugel
den Ouden Breugel
the elder Breughel
the elder Brueghel
fluele Breugel
fluwele Breugel
fluwelen Breugel
Gio. Breughel
Giovan Breughel
Giovanni Breughel
Giovanni di Brucolo
Giuseppe Buoccolo
H. Breughel
I. Breughel
J. Breughel
J. Brughel
Jan Breughel

Jan Brueghel
Jan Brueghel (the elder)
Jan Brughel
Jean Breugle
Johann, Velvet Breughel
John Breughel
John Brueghel
John Brueghel, called the Old
John Brueghel, Called, Velvet Brueghel
John, otherwise Velvet Breughel
le Brueghel de Velours
Monsu Brugo Novecchio
O. Breughel
Old Breugel
Old Breughel
Old Brueghel
Old Brughel
Old Brughell
T. Breugel
V. Breugel
V. Breughel
V. Brueghel
V. Brughel
V. Brughell
Vel. Breughel
Velvect Brueghel
Velvet Breughel
Velvet Breugle
Velvet Brueghal
Velvet Brueghel
Velvet Brughel
Velvet Brughell
Velvet, Brughel



Applying vocabularies

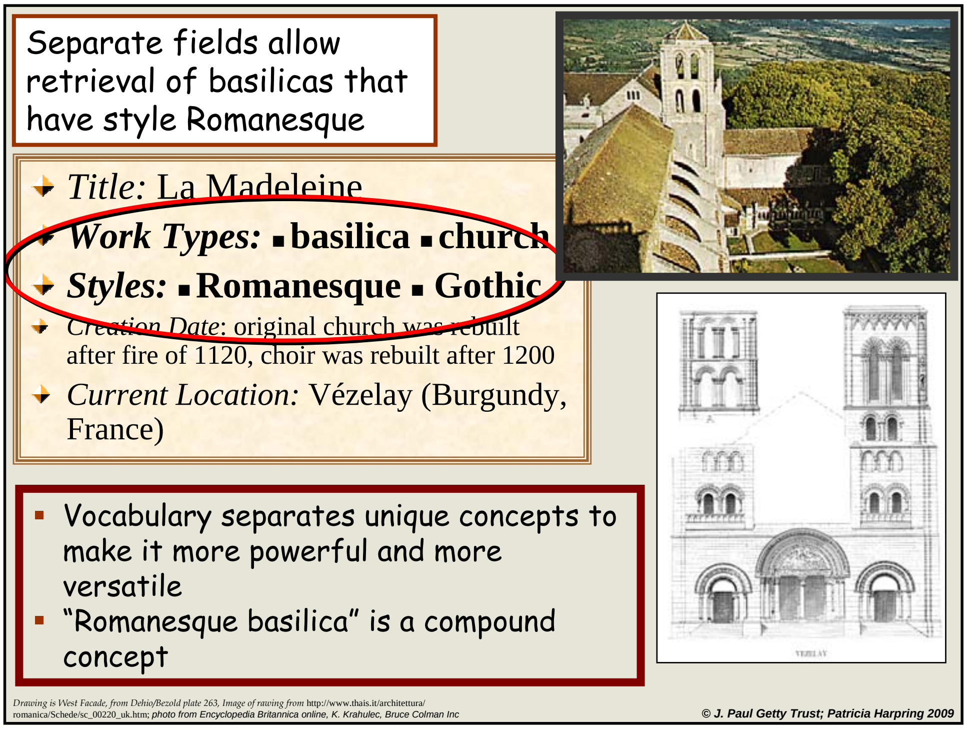
- There is no prescribed method of using the vocabularies
- Must make local decision
- Factors to consider
    - specificity
    - exhaustivity
    - pre- vs. post-coordination



Pre-coordination: Combination of individual concepts into compound or complex terms at the point of data storage

Post-coordination: Combination of individual concepts into compound or complex terms at the point of retrieval

- Which will your local system or authorities allow?
- What is your local methodology?

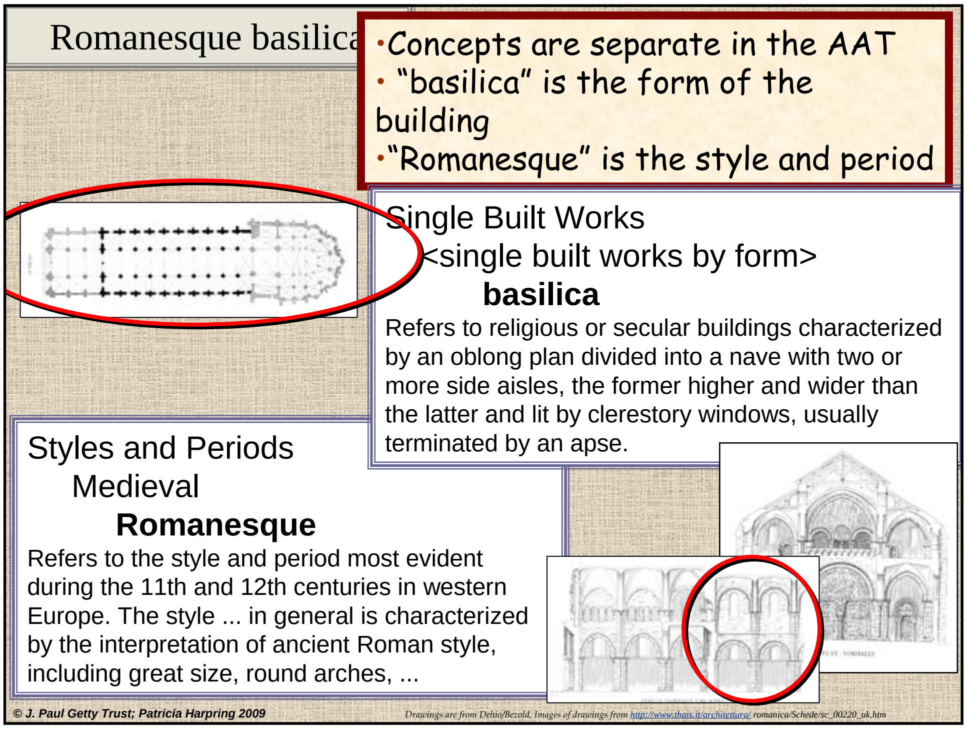


Separate fields allow retrieval of basilicas that have style Romanesque

- *Title:* La Madeleine
- ***Work Types:*** **▪ basilica ▪ church**
- ***Styles:*** **▪ Romanesque ▪ Gothic**
- *Creation Date*: original church was rebuilt after fire of 1120, choir was rebuilt after 1200
- *Current Location:* Vézelay (Burgundy, France)

- Vocabulary separates unique concepts to make it more powerful and more versatile
- “Romanesque basilica” is a compound concept

Drawing is West Facade, from Dehio/Bezold plate 263, Image of rawing from http://www.thais.it/architettura/romanica/Schede/sc_00220_uk.htm; *photo from Encyclopedia Britannica online, K. Krahulec, Bruce Colman Inc*



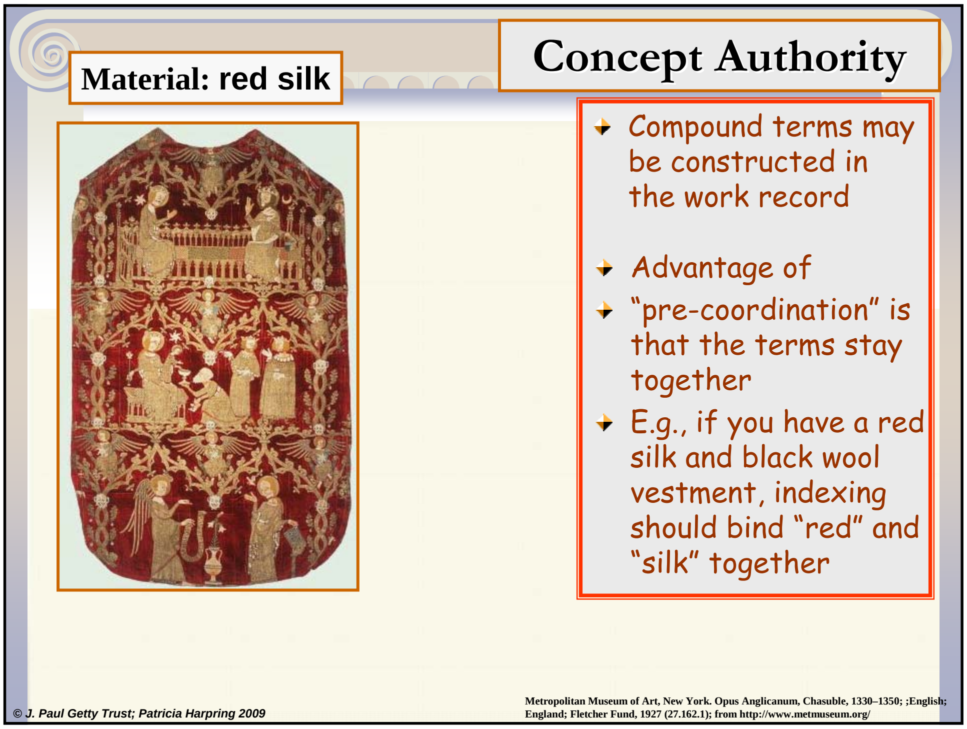
Romanesque basilica

- Concepts are separate in the AAT
- “basilica” is the form of the building
- “Romanesque” is the style and period

Single Built Works
<single built works by form>
basilica
Refers to religious or secular buildings characterized by an oblong plan divided into a nave with two or more side aisles, the former higher and wider than the latter and lit by clerestory windows, usually terminated by an apse.

Styles and Periods
Medieval
Romanesque
Refers to the style and period most evident during the 11th and 12th centuries in western Europe. The style ... in general is characterized by the interpretation of ancient Roman style, including great size, round arches, ...

Drawings are from Dehio/Bezold, Images of drawings from http://www.thais.it/architettura/ *romanica/Schede/sc_00220_uk.htm*

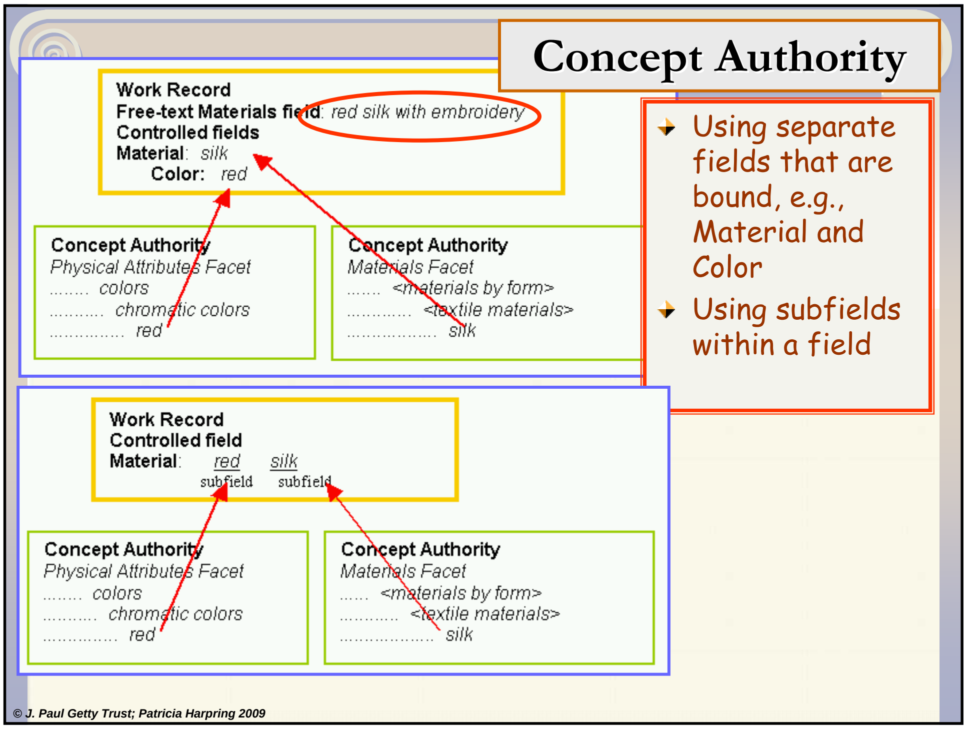


Concept Authority

Material: red silk

- Compound terms may be constructed in the work record
- Advantage of
- “pre-coordination” is that the terms stay together
- E.g., if you have a red silk and black wool vestment, indexing should bind “red” and “silk” together

Metropolitan Museum of Art, New York. Opus Anglicanum, Chasuble, 1330–1350; ;English; England; Fletcher Fund, 1927 (27.162.1); from http://www.metmuseum.org/



Concept Authority

Work Record
Free-text Materials field: *red silk with embroidery*
Controlled fields
Material: *silk*
Color: *red*

Concept Authority
Physical Attributes Facet
.... *colors*
.... *chromatic colors*
.... *red*

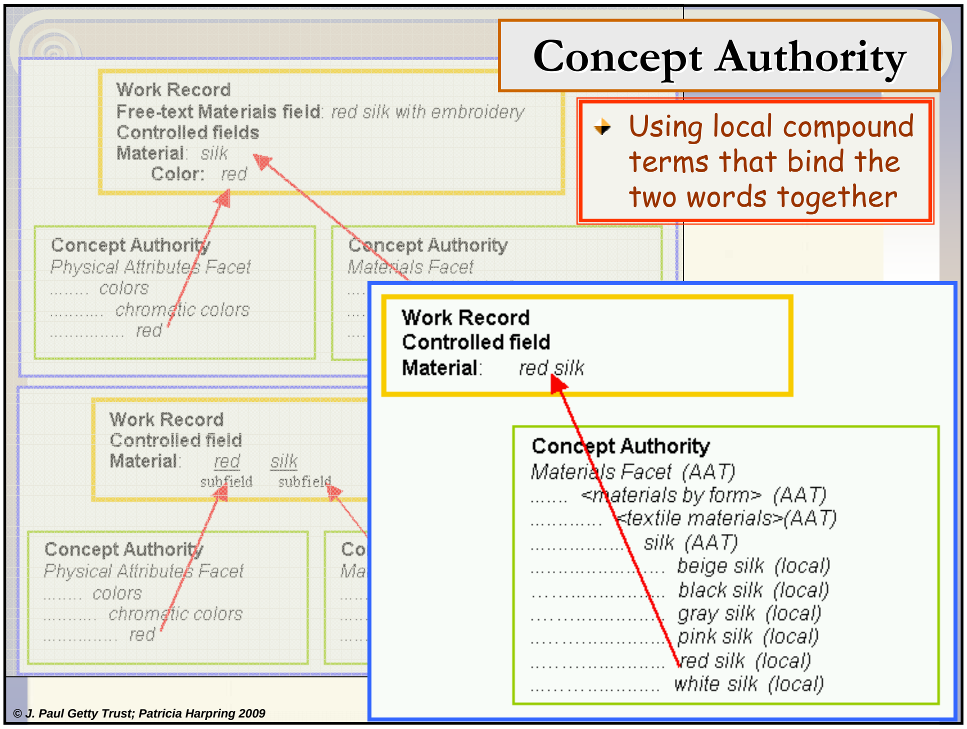
Concept Authority
Materials Facet
.... *<materials by form>*
.... *<textile materials>*
.... *silk*

Work Record
Controlled field
Material: *red* *silk*
subfield subfield

Concept Authority
Physical Attributes Facet
.... *colors*
.... *chromatic colors*
.... *red*

Concept Authority
Materials Facet
...... *<materials by form>*
.... *<textile materials>*
.... *silk*

- Using separate fields that are bound, e.g., Material and Color
- Using subfields within a field



Concept Authority

- Using local compound terms that bind the two words together

Work Record
Free-text Materials field: *red silk with embroidery*
Controlled fields
Material: *silk*
Color: *red*

Concept Authority
Physical Attributes Facet
.... *colors*
.... *chromatic colors*
.... *red*

Concept Authority
Materials Facet

Work Record
Controlled field
Material: *red* *silk*
subfield subfield

Concept Authority
Physical Attributes Facet
.... *colors*
.... *chromatic colors*
.... *red*

Work Record
Controlled field
Material: *red silk*

Concept Authority
Materials Facet (AAT)
.... *<materials by form> (AAT)*
.... *<textile materials>(AAT)*
.... *silk (AAT)*
.... *beige silk (local)*
.... *black silk (local)*
.... *gray silk (local)*
.... *pink silk (local)*
.... *red silk (local)*
.... *white silk (local)*

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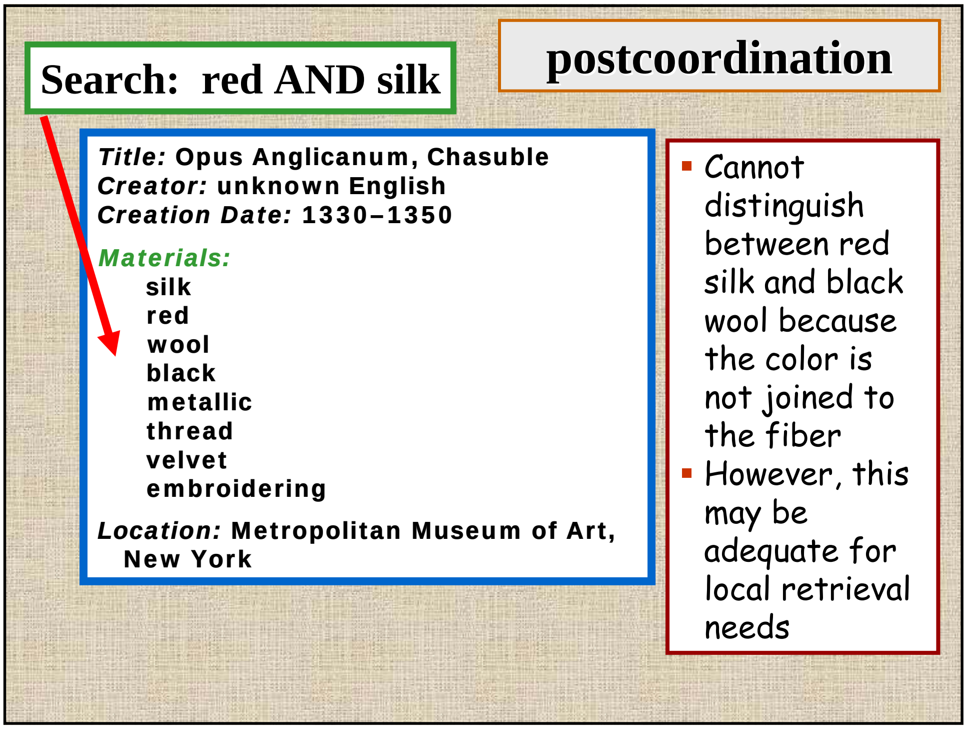


postcoordination

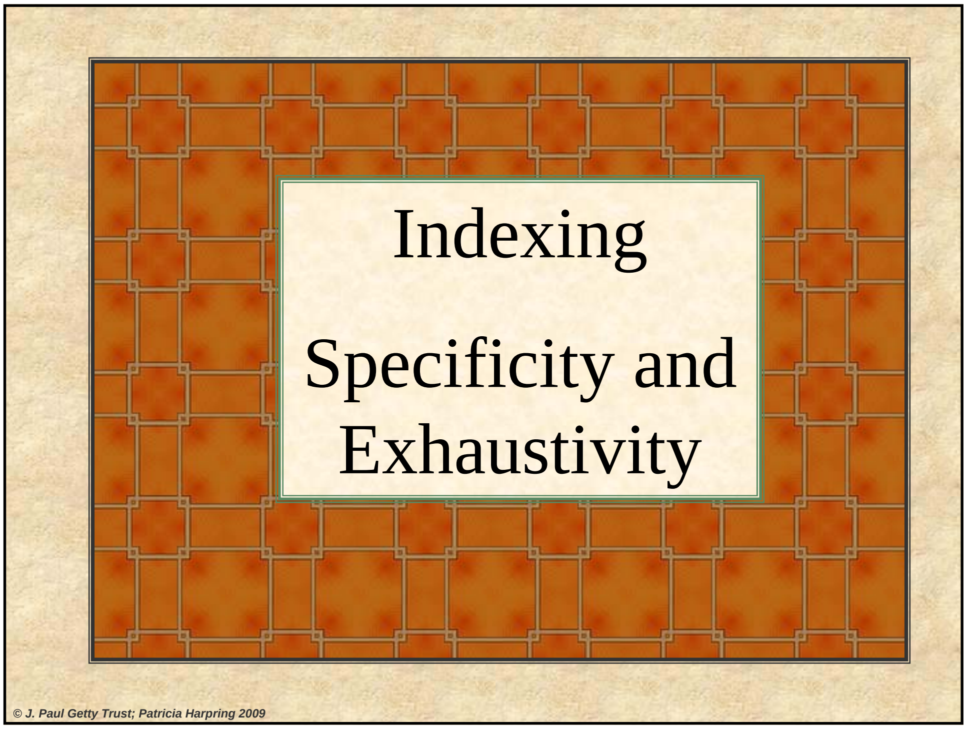
Search: red AND silk

Title: **Opus Anglicanum, Chasuble**
Creator: **unknown English**
Creation Date: **1330–1350**

Materials:
silk
red
wool
black
metallic
thread
velvet
embroidering

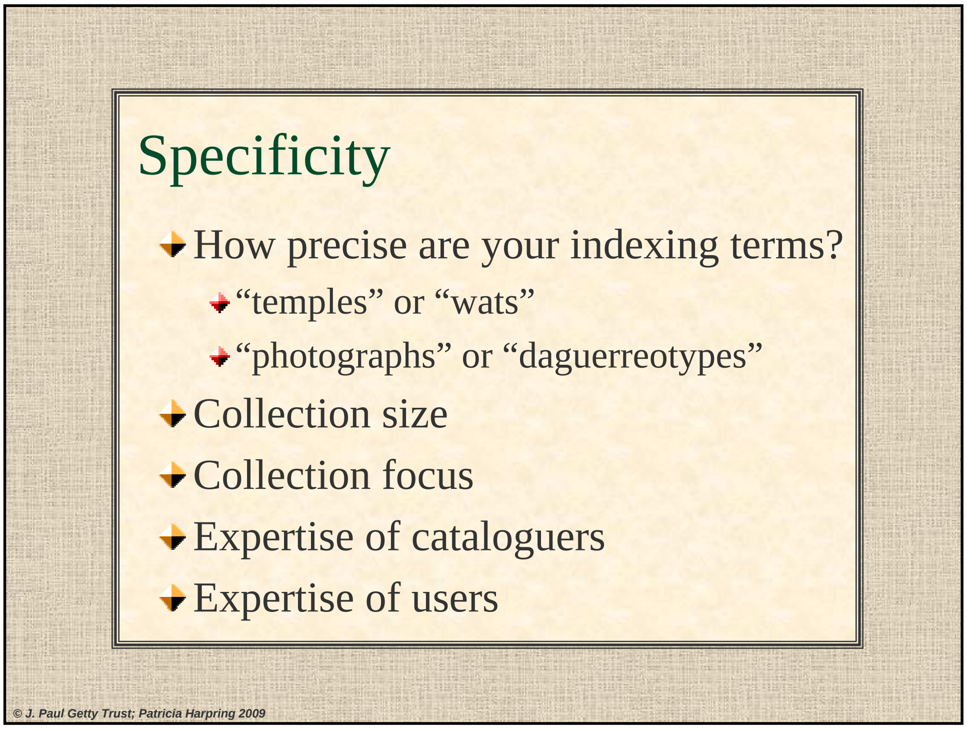
Location: **Metropolitan Museum of Art, New York**

- Cannot distinguish between red silk and black wool because the color is not joined to the fiber
- However, this may be adequate for local retrieval needs



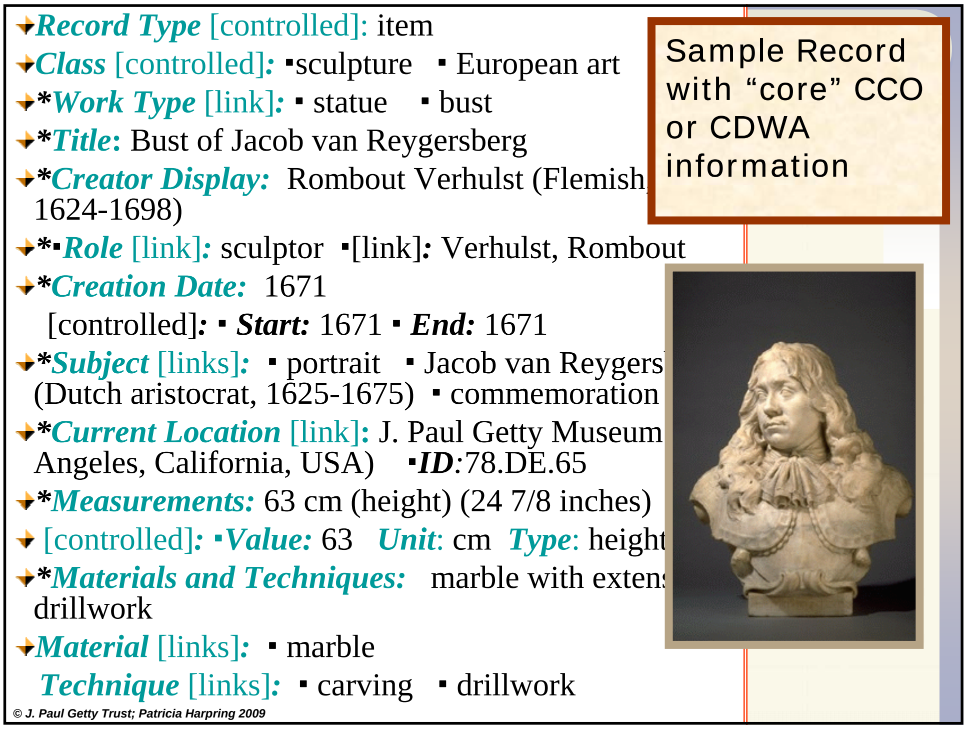
Indexing

Specificity and Exhaustivity



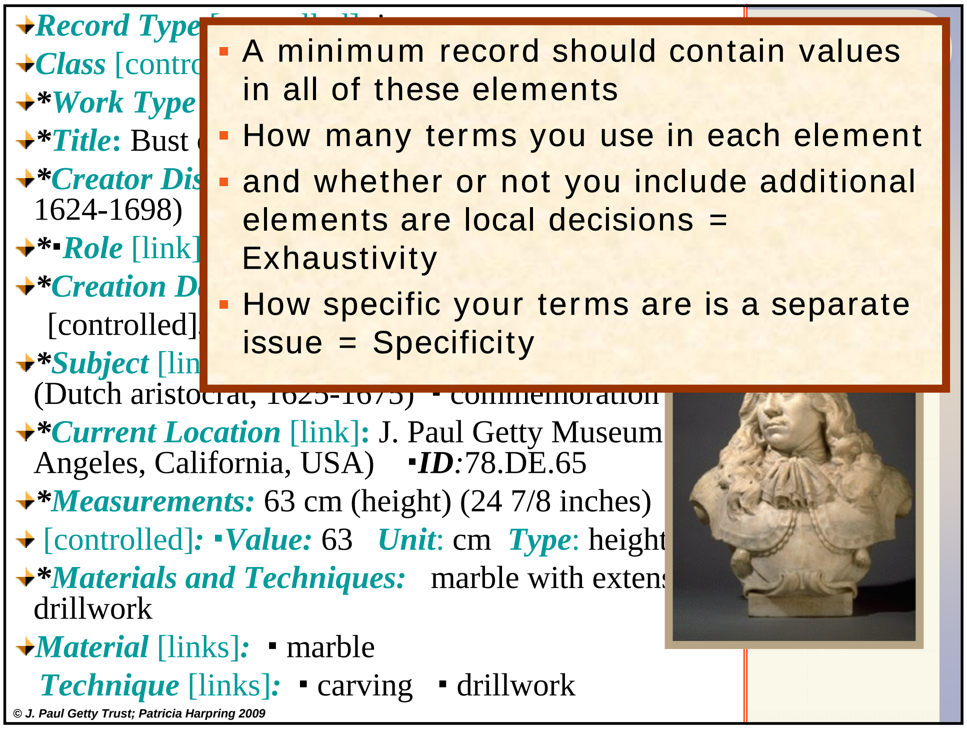
Specificity

- How precise are your indexing terms?
  - “temples” or “wats”
  - “photographs” or “daguerreotypes”
- Collection size
- Collection focus
- Expertise of cataloguers
- Expertise of users



- ***Record Type*** [controlled]: item
- ***Class*** [controlled]***:*** ▪sculpture ▪ European art
- ****Work Type*** [link]***:*** ▪ statue ▪ bust
- ****Title***: Bust of Jacob van Reygersberg
- ****Creator Display:*** Rombout Verhulst (Flemish 1624-1698)
- *▪***Role*** [link]***:*** sculptor ▪[link]***:*** Verhulst, Rombout
- ****Creation Date:*** 1671
  [controlled]***:*** ▪ ***Start:*** 1671 ▪ ***End:*** 1671
- ****Subject*** [links]***:*** ▪ portrait ▪ Jacob van Reygers (Dutch aristocrat, 1625-1675) ▪ commemoration
- ****Current Location*** [link]**:** J. Paul Getty Museum Angeles, California, USA) ▪***ID***:78.DE.65
- ****Measurements:*** 63 cm (height) (24 7/8 inches)
- [controlled]***:*** ▪***Value:*** 63 ***Unit***: cm ***Type***: height
- ****Materials and Techniques:*** marble with extens drillwork
- ***Material*** [links]***:*** ▪ marble
  Technique [links]***:*** ▪ carving ▪ drillwork

Sample Record with "core" CCO or CDWA information



- A minimum record should contain values in all of these elements
- How many terms you use in each element
- and whether or not you include additional elements are local decisions = Exhaustivity
- How specific your terms are is a separate issue = Specificity

- ***Record Type***
- ***Class*** [contro
- ****Work Type***
- ****Title***: Bust
- ****Creator Dis*** 1624-1698)
- *▪***Role*** [link]
- ****Creation D***
  [controlled]
- ****Subject*** [lin
- ****Current Location*** [link]**:** J. Paul Getty Museum Angeles, California, USA) ▪***ID***:78.DE.65
- ****Measurements:*** 63 cm (height) (24 7/8 inches)
- [controlled]***:*** ▪***Value:*** 63 ***Unit***: cm ***Type***: height
- ****Materials and Techniques:*** marble with extens drillwork
- ***Material*** [links]***:*** ▪ marble
  Technique [links]***:*** ▪ carving ▪ drillwork

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Hierarchy
<paint by composition or origin>
    water-base paint
        tempera
            casein paint
            egg-oil tempera
            egg tempera
            gum tempera
            oil tempera

- **There are various types of tempera**

- **Perhaps “egg tempera” more accurately describes the medium**

Scope Note for ***egg tempera:***
Tempera paint using egg as its vehicle, traditionally the yolk only, in other cases, the whole egg.

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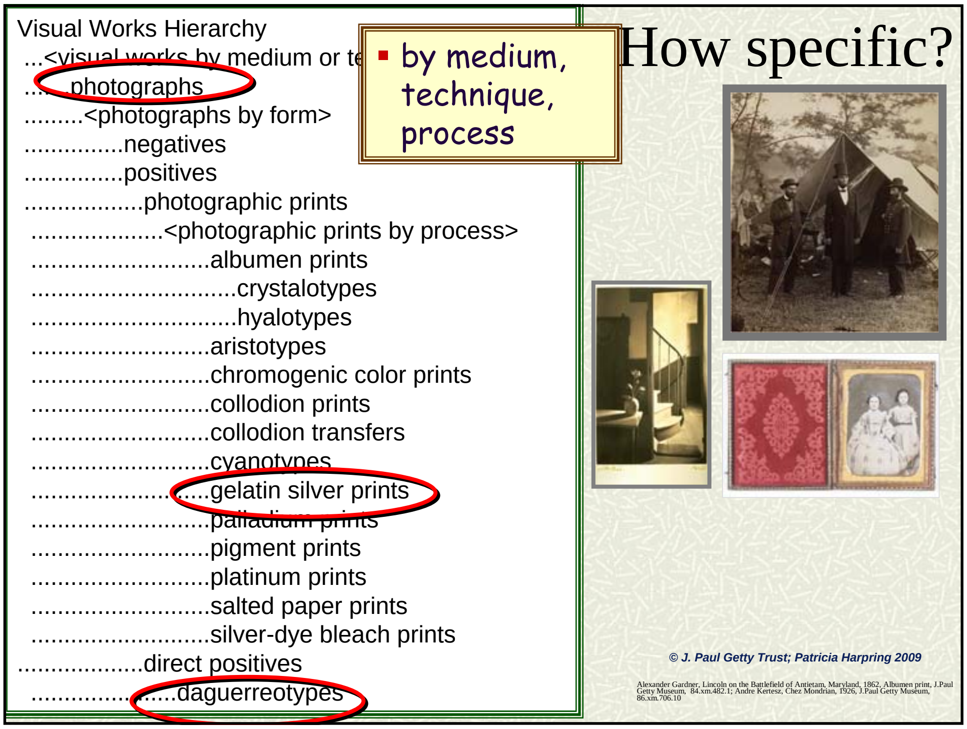

Visual Works Hierarchy
...<visual works by medium or te
......photographs
.........<photographs by form>
...............negatives
...............positives
..................photographic prints
....................<photographic prints by process>
...........................albumen prints
...............................crystalotypes
...............................hyalotypes
...........................aristotypes
...........................chromogenic color prints
...........................collodion prints
...........................collodion transfers
...........................cyanotypes
...........................gelatin silver prints
...........................palladium prints
...........................pigment prints
...........................platinum prints
...........................salted paper prints
...........................silver-dye bleach prints
..................direct positives
...........................daguerreotypes

- by medium, technique, process

How specific?

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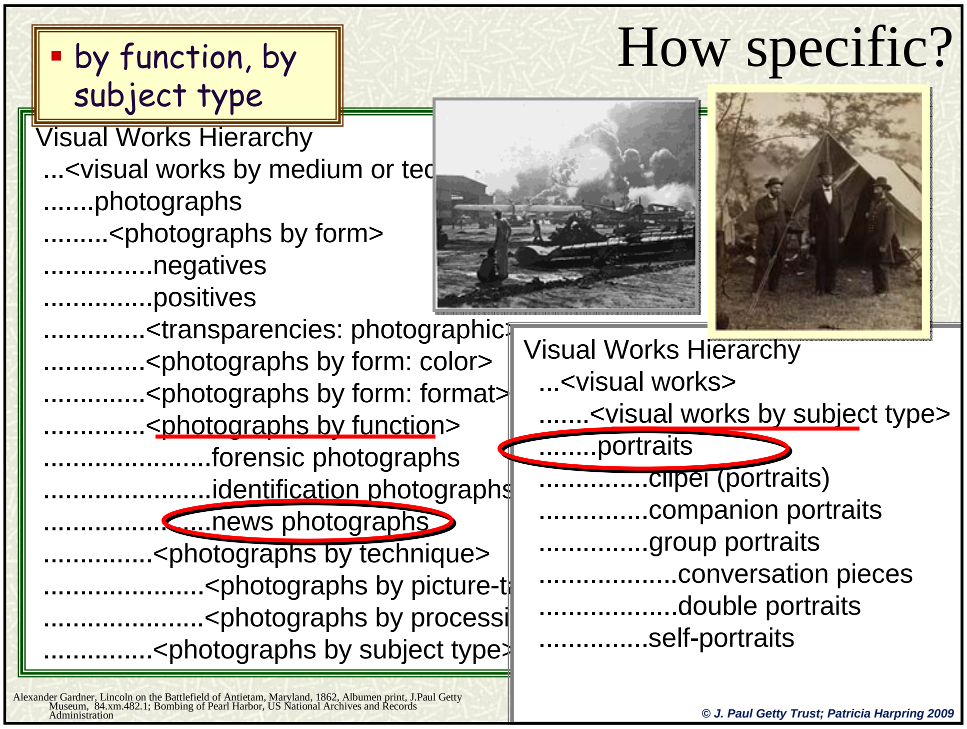
Alexander Gardner, Lincoln on the Battlefield of Antietam, Maryland, 1862, Albumen print, J.Paul Getty Museum, 84.xm.482.1; Andre Kertesz, Chez Mondrian, 1926, J.Paul Getty Museum, 86.xm.706.10



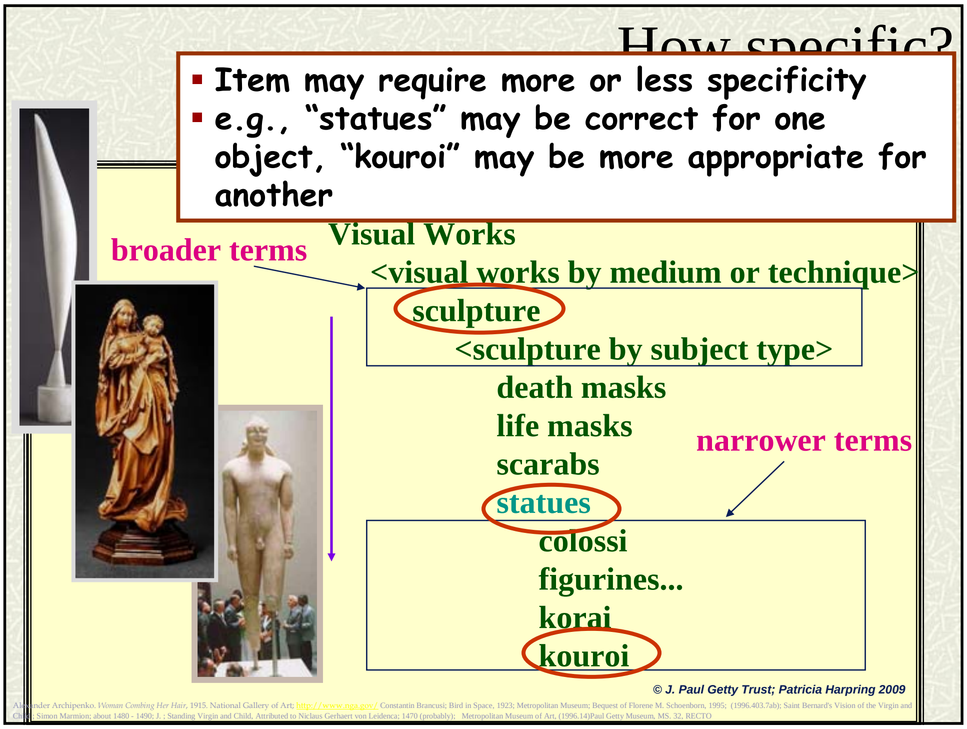
How specific?

- by function, by subject type

Visual Works Hierarchy
...<visual works by medium or tec
.......photographs
.........<photographs by form>
...............negatives
...............positives
..............<transparencies: photographic
..............<photographs by form: color>
..............<photographs by form: format>
..............<photographs by function>
.......................forensic photographs
.......................identification photographs
.......................news photographs
...............<photographs by technique>
......................<photographs by picture-t
......................<photographs by processi
...............<photographs by subject type>

Visual Works Hierarchy
...<visual works>
.......<visual works by subject type>
........portraits
...............clipei (portraits)
...............companion portraits
...............group portraits
...................conversation pieces
...................double portraits
...............self-portraits

Alexander Gardner, Lincoln on the Battlefield of Antietam, Maryland, 1862, Albumen print, J.Paul Getty Museum, 84.xm.482.1; Bombing of Pearl Harbor, US National Archives and Records Administration



How specific?

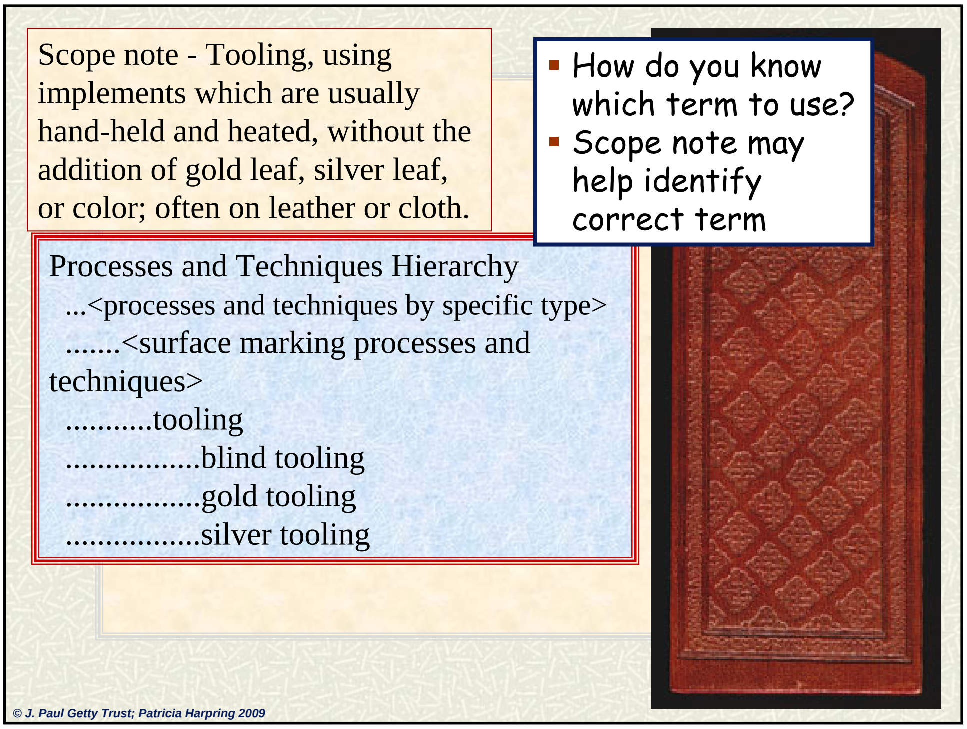
- Item may require more or less specificity
- e.g., "statues" may be correct for one object, "kouroi" may be more appropriate for another

broader terms

Visual Works
<visual works by medium or technique>
sculpture
<sculpture by subject type>
death masks
life masks
scarabs
statues
colossi
figurines...
korai
kouroi

narrower terms

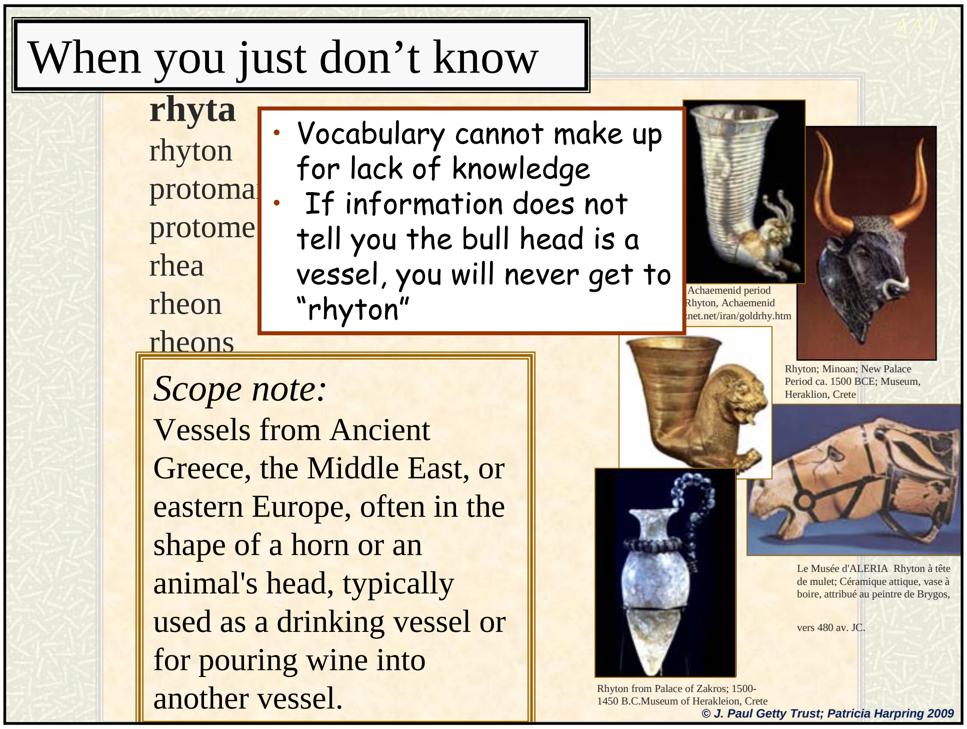
Alexander Archipenko. *Woman Combing Her Hair,* 1915. National Gallery of Art; http://www.nga.gov/ Constantin Brancusi; Bird in Space, 1923; Metropolitan Museum; Bequest of Florene M. Schoenborn, 1995; (1996.403.7ab); Saint Bernard's Vision of the Virgin and Child; Simon Marmion; about 1480 - 1490; J. ; Standing Virgin and Child, Attributed to Niclaus Gerhaert von Leidenca; 1470 (probably); Metropolitan Museum of Art, (1996.14)Paul Getty Museum, MS. 32, RECTO



Scope note - Tooling, using implements which are usually hand-held and heated, without the addition of gold leaf, silver leaf, or color; often on leather or cloth.

- How do you know which term to use?
- Scope note may help identify correct term

Processes and Techniques Hierarchy
...<processes and techniques by specific type>
.......<surface marking processes and techniques>
...........tooling
.................blind tooling
.................gold tooling
.................silver tooling



When you just don’t know

rhyta
rhyton
protoma
protome
rhea
rheon
rheons

- Vocabulary cannot make up for lack of knowledge
- If information does not tell you the bull head is a vessel, you will never get to “rhyton”

Scope note:
Vessels from Ancient Greece, the Middle East, or eastern Europe, often in the shape of a horn or an animal's head, typically used as a drinking vessel or for pouring wine into another vessel.

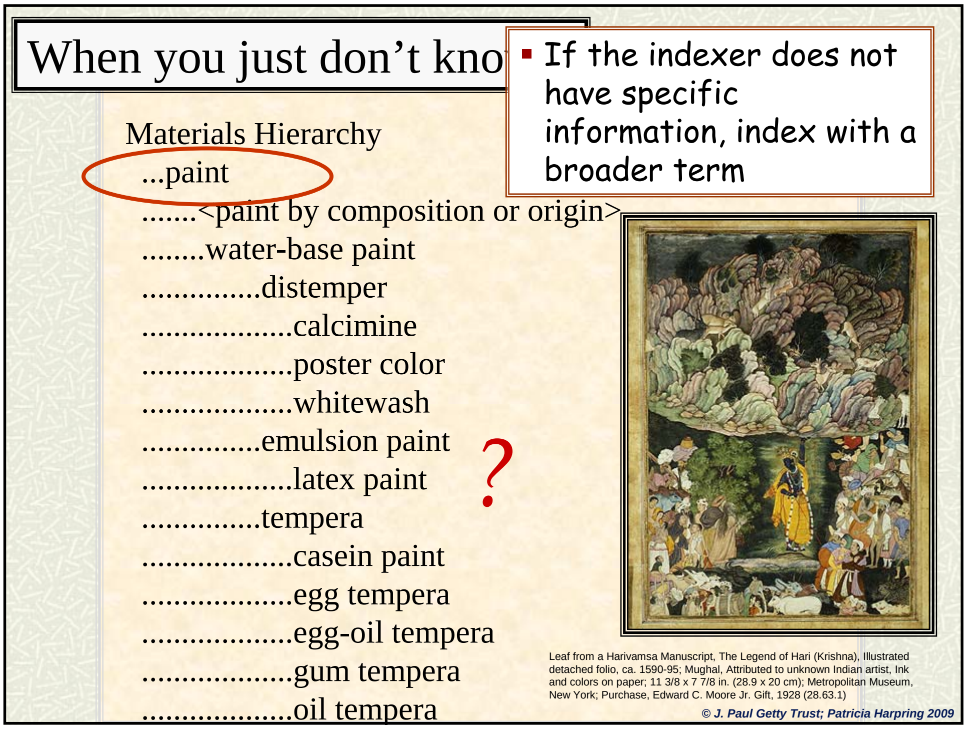
Achaemenid period
Rhyton, Achaemenid
net.net/iran/goldrhy.htm

Rhyton; Minoan; New Palace Period ca. 1500 BCE; Museum, Heraklion, Crete

Le Musée d'ALERIA Rhyton à tête de mulet; Céramique attique, vase à boire, attribué au peintre de Brygos,

vers 480 av. JC.

Rhyton from Palace of Zakros; 1500-1450 B.C.Museum of Herakleion, Crete



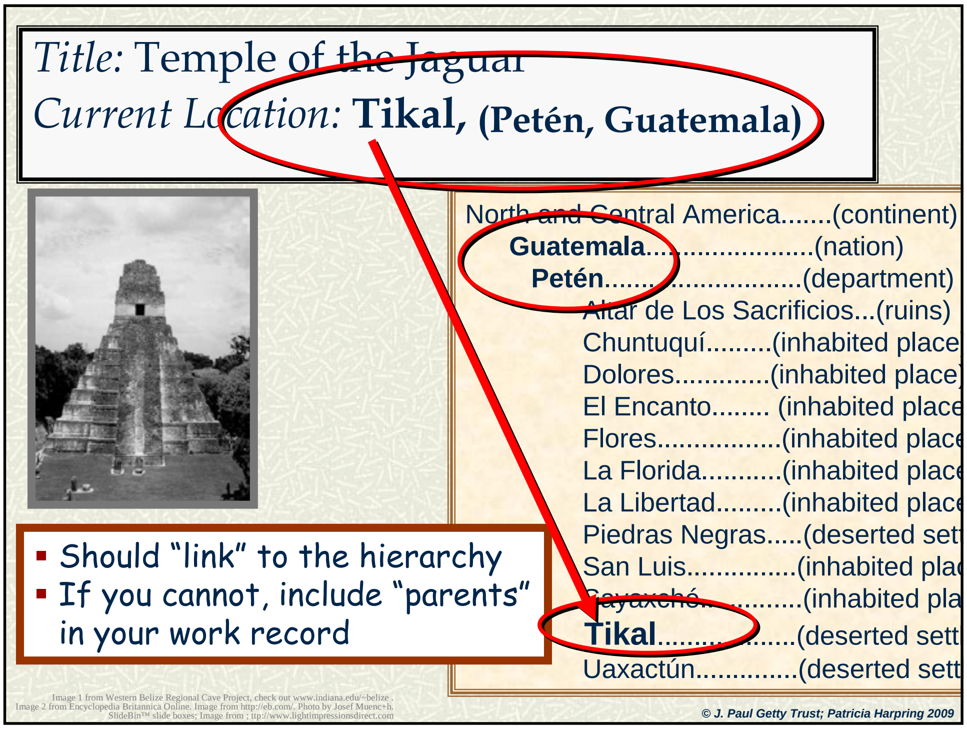
When you just don't kno

- If the indexer does not have specific information, index with a broader term

Materials Hierarchy
...paint
.......<paint by composition or origin>
........water-base paint
...............distemper
...................calcimine
...................poster color
...................whitewash
...............emulsion paint
...................latex paint
...............tempera
...................casein paint
...................egg tempera
...................egg-oil tempera
...................gum tempera
...................oil tempera

?

Leaf from a Harivamsa Manuscript, The Legend of Hari (Krishna), Illustrated detached folio, ca. 1590-95; Mughal, Attributed to unknown Indian artist, Ink and colors on paper; 11 3/8 x 7 7/8 in. (28.9 x 20 cm); Metropolitan Museum, New York; Purchase, Edward C. Moore Jr. Gift, 1928 (28.63.1)

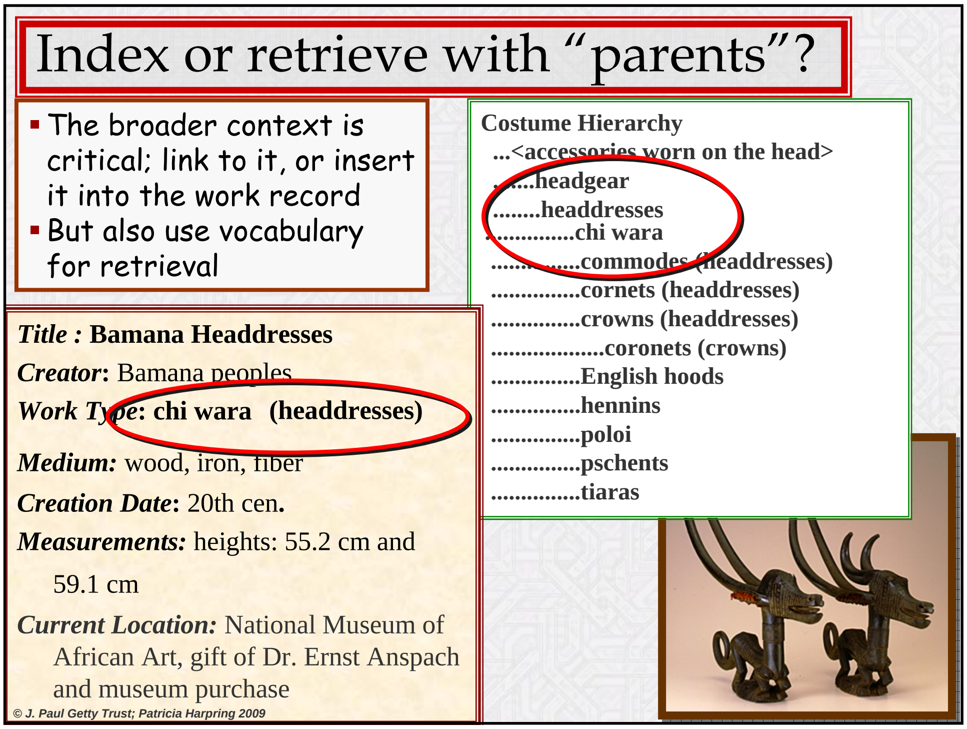


Title: Temple of the Jaguar
Current Location: **Tikal, (Petén, Guatemala)**

North and Central America.......(continent)
Guatemala.......................(nation)
Petén.............................(department)
Altar de Los Sacrificios...(ruins)
Chuntuquí.........(inhabited place
Dolores.............(inhabited place)
El Encanto........ (inhabited place
Flores.................(inhabited place
La Florida...........(inhabited place
La Libertad.........(inhabited place
Piedras Negras.....(deserted sett
San Luis...............(inhabited plac
Sayaxché.............(inhabited pla
Tikal.....................(deserted sett
Uaxactún.............(deserted sett

- Should "link" to the hierarchy
- If you cannot, include "parents" in your work record

Image 1 from Western Belize Regional Cave Project, check out www.indiana.edu/~belize .
Image 2 from Encyclopedia Britannica Online. Image from http://eb.com/. Photo by Josef Muenc+h.
SlideBin™ slide boxes; Image from ; ttp://www.lightimpressionsdirect.com



Index or retrieve with "parents"?

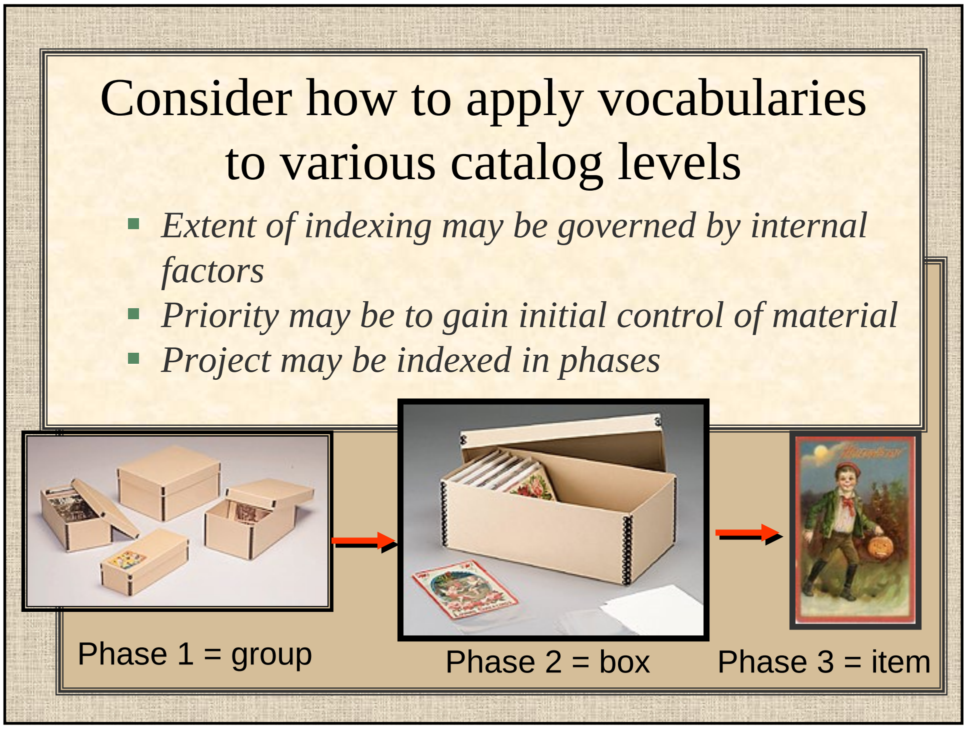
- The broader context is critical; link to it, or insert it into the work record
- But also use vocabulary for retrieval

Title : **Bamana Headdresses**
***Creator*:** Bamana peoples
***Work Type*: chi wara (headdresses)**
Medium: wood, iron, fiber
***Creation Date*:** 20th cen**.**
Measurements: heights: 55.2 cm and 59.1 cm
Current Location: National Museum of African Art, gift of Dr. Ernst Anspach and museum purchase

Costume Hierarchy
...<accessories worn on the head>
......headgear
........headdresses
..............chi wara
...............commodes (headdresses)
...............cornets (headdresses)
...............crowns (headdresses)
..................coronets (crowns)
...............English hoods
...............hennins
...............poloi
...............pschents
...............tiaras

Exhaustivity

- How many aspects of a work do you catalog? How many terms do you assign to a work?
- Time limitations
- Focus of the collection



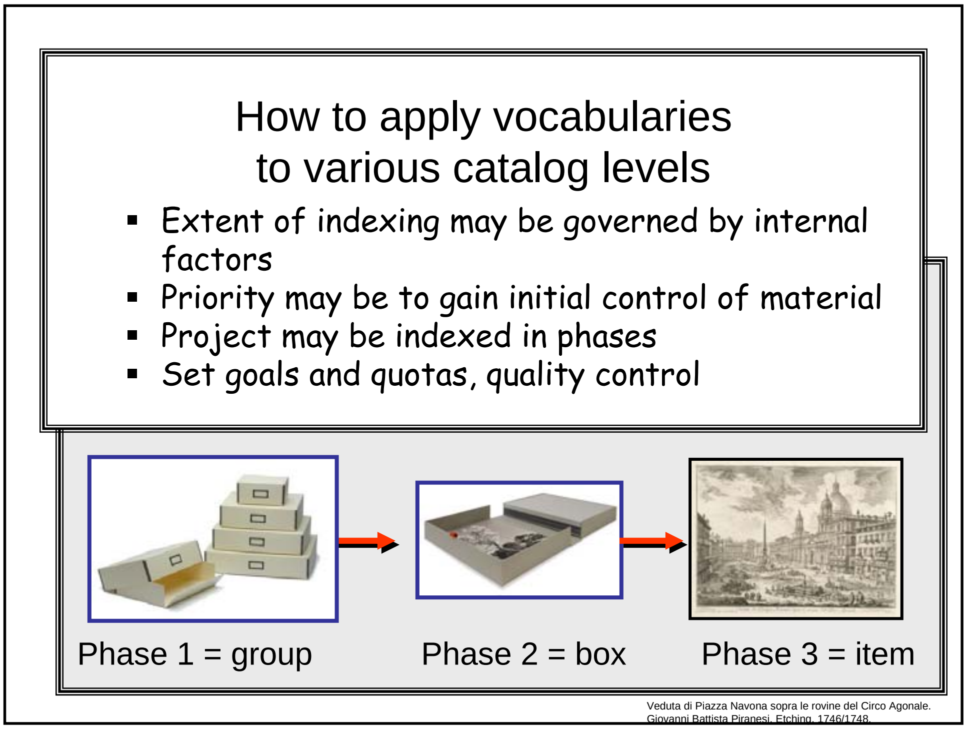
Consider how to apply vocabularies to various catalog levels

- *Extent of indexing may be governed by internal factors*
- *Priority may be to gain initial control of material*
- *Project may be indexed in phases*

Phase 1 = group

Phase 2 = box

Phase 3 = item



How to apply vocabularies to various catalog levels

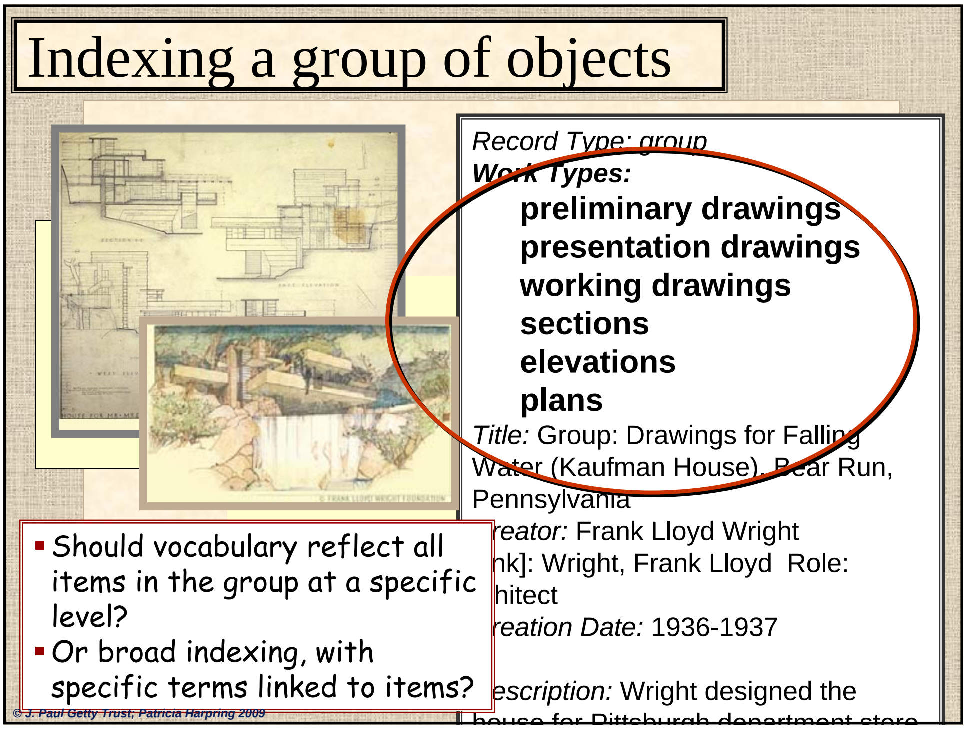
- Extent of indexing may be governed by internal factors
- Priority may be to gain initial control of material
- Project may be indexed in phases
- Set goals and quotas, quality control

Phase 1 = group

Phase 2 = box

Phase 3 = item

Veduta di Piazza Navona sopra le rovine del Circo Agonale. Giovanni Battista Piranesi. Etching. 1746/1748.



Indexing a group of objects

Record Type: group

Work Types:

preliminary drawings
presentation drawings
working drawings
sections
elevations
plans

Title: Group: Drawings for Falling Water (Kaufman House), Bear Run, Pennsylvania

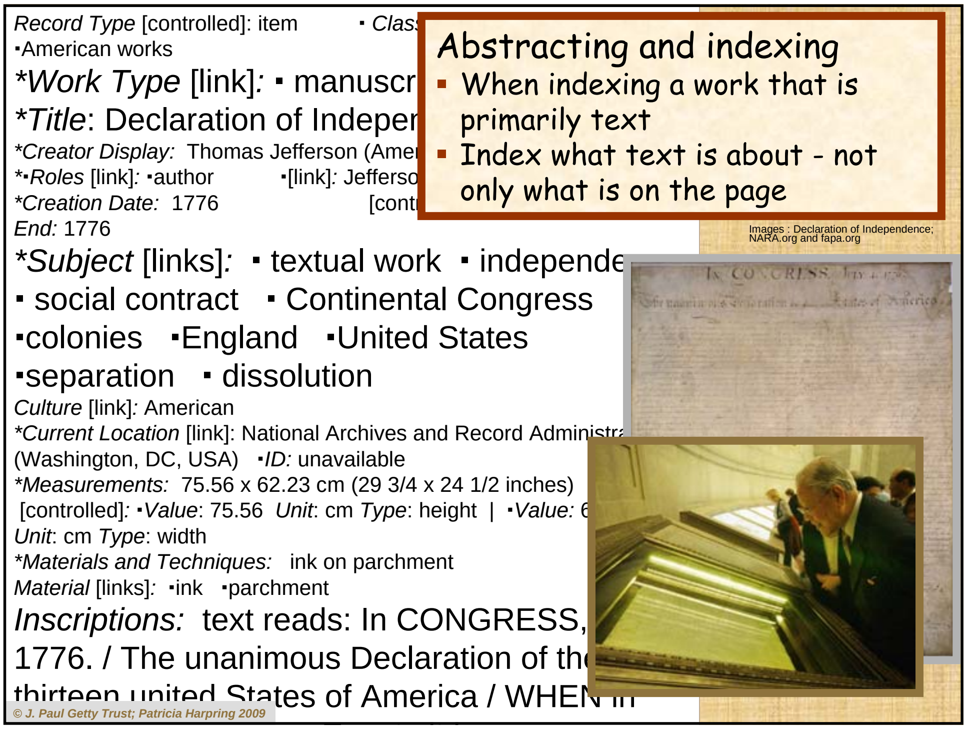
reator: Frank Lloyd Wright

nk]: Wright, Frank Lloyd Role:
hitect

reation Date: 1936-1937

escription: Wright designed the house for Pittsburgh department store

- Should vocabulary reflect all items in the group at a specific level?
- Or broad indexing, with specific terms linked to items?

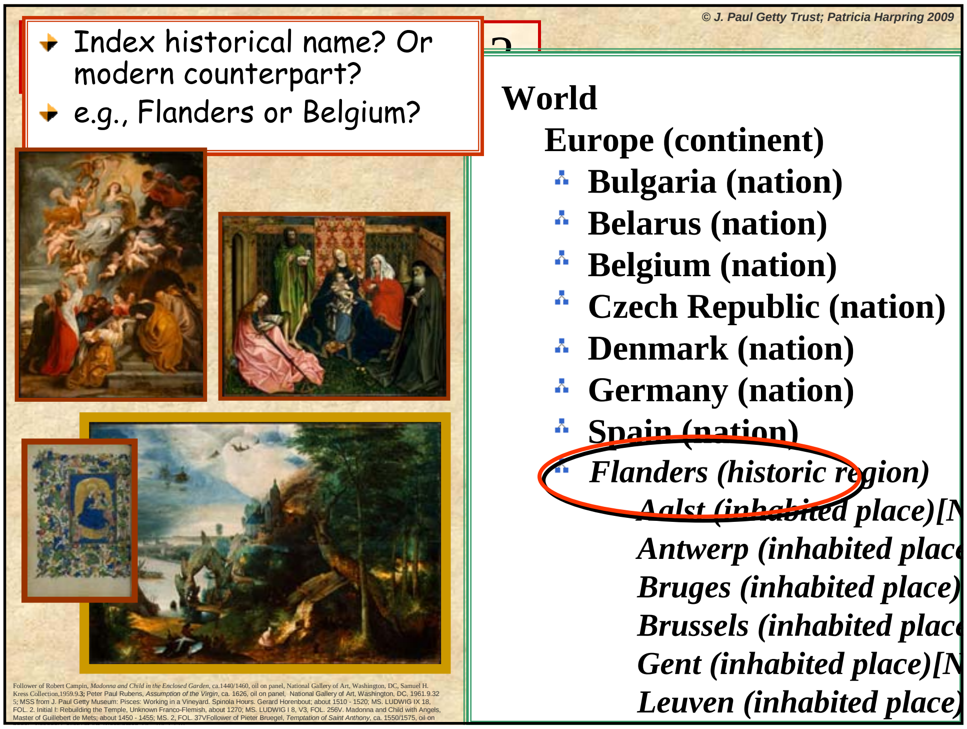


Abstracting and indexing

- When indexing a work that is primarily text
- Index what text is about - not only what is on the page

Record Type [controlled]: item ▪ *Class*
▪American works
**Work Type* [link]*:* ▪ manuscr
**Title*: Declaration of Indeper
**Creator Display:* Thomas Jefferson (Amer
*▪*Roles* [link]*:* ▪author ▪[link]*:* Jefferso
**Creation Date:* 1776 [cont
End: 1776
**Subject* [links]*:* ▪ textual work ▪ independe
▪ social contract ▪ Continental Congress
▪colonies ▪England ▪United States
▪separation ▪ dissolution
Culture [link]*:* American
**Current Location* [link]: National Archives and Record Administra
(Washington, DC, USA) ▪*ID:* unavailable
**Measurements:* 75.56 x 62.23 cm (29 3/4 x 24 1/2 inches)
[controlled]*:* ▪*Value*: 75.56 *Unit*: cm *Type*: height | ▪*Value:* 6
Unit: cm *Type*: width
**Materials and Techniques:* ink on parchment
Material [links]*:* ▪ink ▪parchment
Inscriptions: text reads: In CONGRESS,
1776. / The unanimous Declaration of the
thirteen united States of America / WHEN in

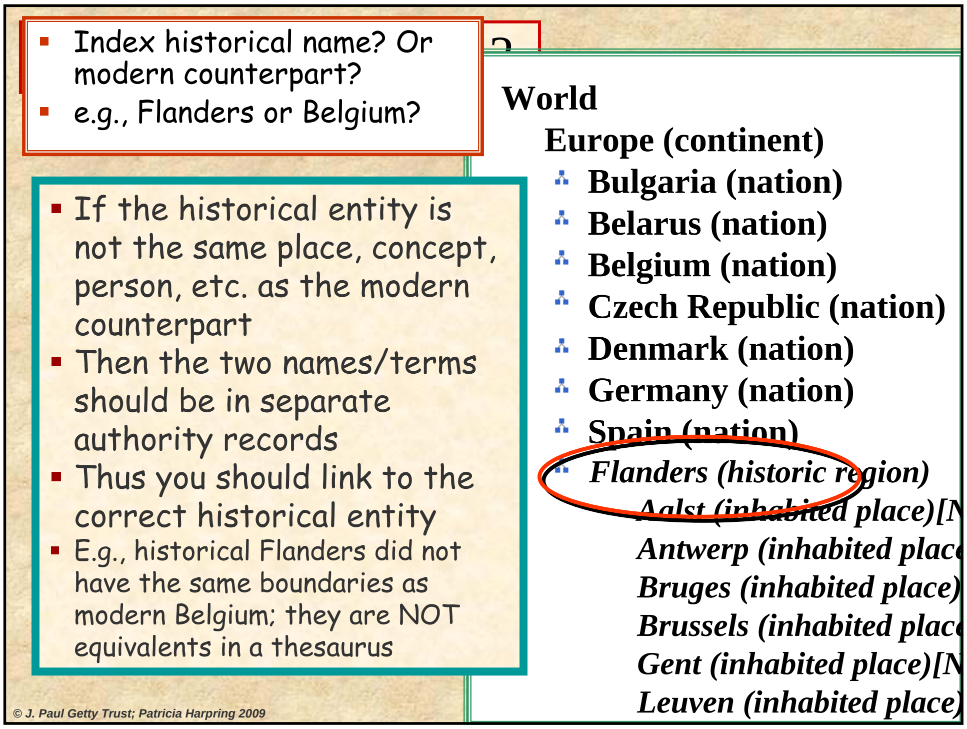
Images : Declaration of Independence; NARA.org and fapa.org



- Index historical name? Or modern counterpart?
- e.g., Flanders or Belgium?

World
  Europe (continent)
    - **Bulgaria (nation)**
    - **Belarus (nation)**
    - **Belgium (nation)**
    - **Czech Republic (nation)**
    - **Denmark (nation)**
    - **Germany (nation)**
    - **Spain (nation)**
    - ***Flanders (historic region)***
        Aalst (inhabited place)[N
        Antwerp (inhabited plac
        Bruges (inhabited place)
        Brussels (inhabited plac
        Gent (inhabited place)[N
        Leuven (inhabited place)

Follower of Robert Campin, *Madonna and Child in the Enclosed Garden*, ca.1440/1460, oil on panel, National Gallery of Art, Washington, DC, Samuel H. Kress Collection,1959.9.3; Peter Paul Rubens, *Assumption of the Virgin*, ca. 1626, oil on panel, National Gallery of Art, Washington, DC, 1961.9.32 5; MSS from J. Paul Getty Museum: Pisces: Working in a Vineyard. Spinola Hours. Gerard Horenbout; about 1510 - 1520; MS. LUDWIG IX 18, FOL. 2. Initial I: Rebuilding the Temple, Unknown Franco-Flemish, about 1270; MS. LUDWIG I 8, V3, FOL. 256V. Madonna and Child with Angels, Master of Guillebert de Mets; about 1450 - 1455; MS. 2, FOL. 37VFollower of Pieter Bruegel, *Temptation of Saint Anthony*, ca. 1550/1575, oil on

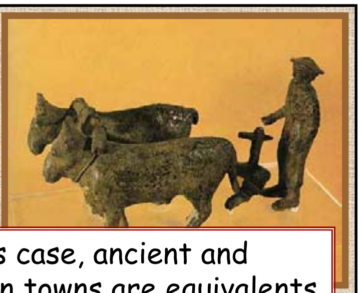


- Index historical name? Or modern counterpart?
- e.g., Flanders or Belgium?

- If the historical entity is not the same place, concept, person, etc. as the modern counterpart
- Then the two names/terms should be in separate authority records
- Thus you should link to the correct historical entity
- E.g., historical Flanders did not have the same boundaries as modern Belgium; they are NOT equivalents in a thesaurus

World
  Europe (continent)
    - **Bulgaria (nation)**
    - **Belarus (nation)**
    - **Belgium (nation)**
    - **Czech Republic (nation)**
    - **Denmark (nation)**
    - **Germany (nation)**
    - **Spain (nation)**
    - ***Flanders (historic region)***
        Aalst (inhabited place)[N
        Antwerp (inhabited plac
        Bruges (inhabited place)
        Brussels (inhabited plac
        Gent (inhabited place)[N
        Leuven (inhabited place)

Use historical names ?



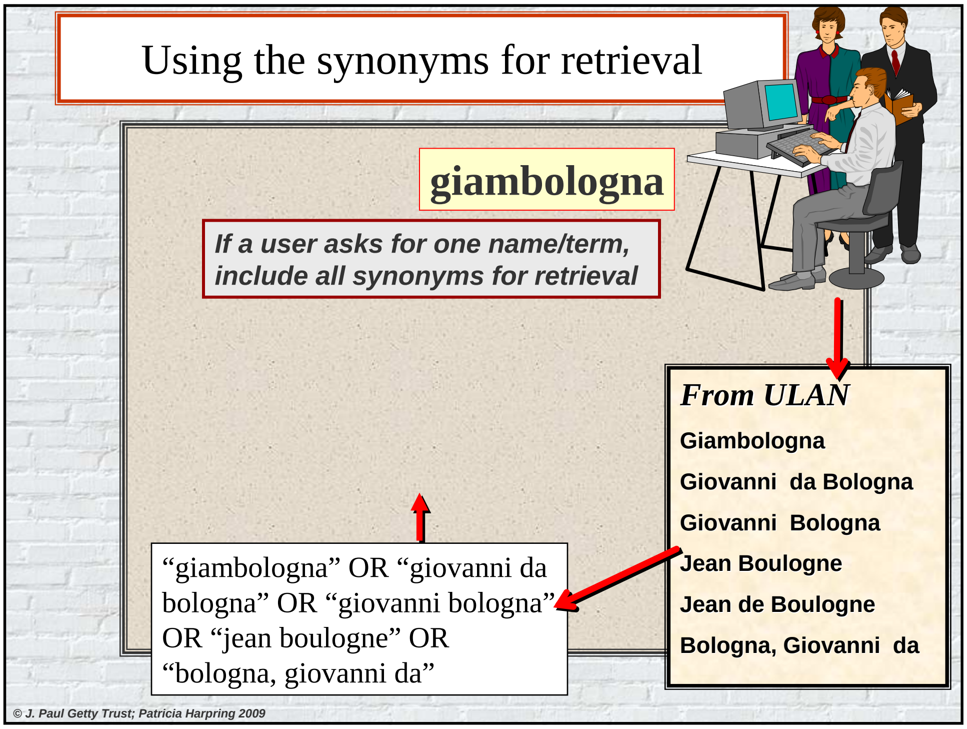
Class: sculpture
Work Type: sculpture, votive figures
Title : Ploughman of Arretium
Measurements: 7 1/4 in. length
Material: bronze
Creator: unknown Etruscan
[link] unknown Etruscan *Role:* sculptor
Creation Date: 6th century BCE
Creation Location: Arretium
Style: Etruscan
Subject: ploughman, oxen, labor, afterlife, ceremonies
Description: This figure was found in one of the many sanctuaries from Etruscan Arretium, and was probably a votive offering. The subject reflects a natural preoccupation of the inhabitants of Arretium, which was an outpost of Chius in a fertile farming region.
Current Location: Archaeological Museum (Florence, Italy)

- In this case, ancient and modern towns are equivalents
- Your system may not allow you cannot to link to the ancient town name, but only to the record as a whole
- If so, you can index with the modern name and refer to the ancient name in a note

Location Authority
Arezzo *(preferred, Italian-Pref)*
Arretium *(historical, Ancient Latin)*

Archaeological Museum, Florence, Italy. Image from http://www.mega.it/archeo.toscana.

Implementing Vocabularies for Retrieval



Using the synonyms for retrieval

giambologna

If a user asks for one name/term, include all synonyms for retrieval

From ULAN

Giambologna

Giovanni da Bologna

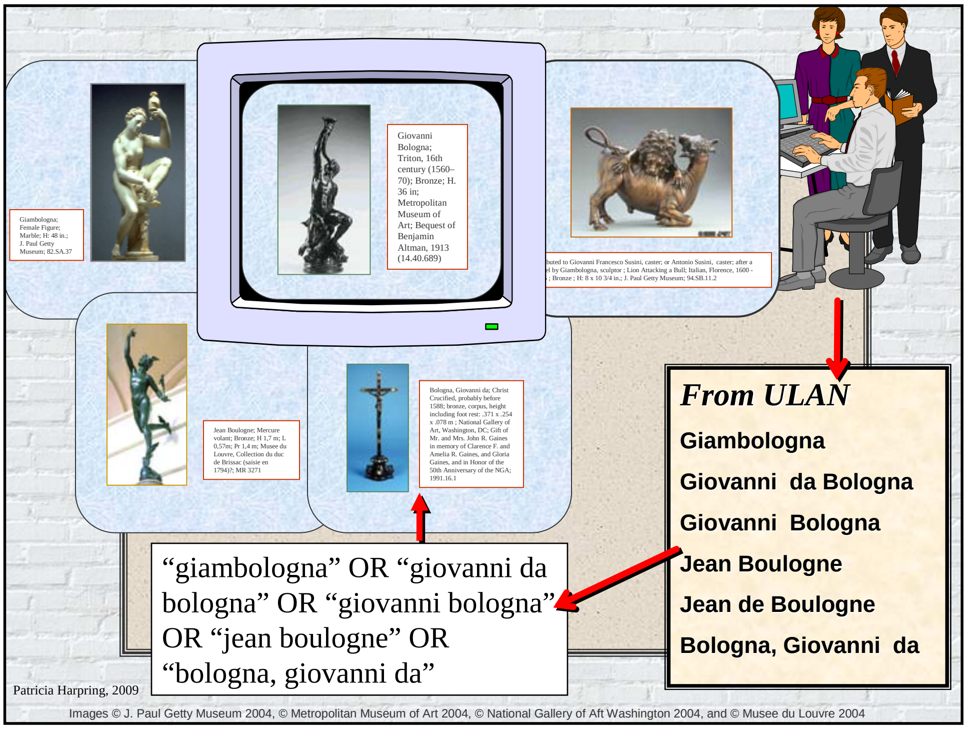
Giovanni Bologna

Jean Boulogne

Jean de Boulogne

Bologna, Giovanni da

“giambologna” OR “giovanni da bologna” OR “giovanni bologna” OR “jean boulogne” OR “bologna, giovanni da”



Giambologna; Female Figure; Marble; H: 48 in.; J. Paul Getty Museum; 82.SA.37

Giovanni Bologna; Triton, 16th century (1560–70); Bronze; H. 36 in; Metropolitan Museum of Art; Bequest of Benjamin Altman, 1913 (14.40.689)

buted to Giovanni Francesco Susini, caster; or Antonio Susini, caster; after a
el by Giambologna, sculptor ; Lion Attacking a Bull; Italian, Florence, 1600 -
; Bronze ; H: 8 x 10 3/4 in.; J. Paul Getty Museum; 94.SB.11.2

Jean Boulogne; Mercure volant; Bronze; H 1,7 m; L 0,57m; Pr 1,4 m; Musee du Louvre, Collection du duc de Brissac (saisie en 1794)?; MR 3271

Bologna, Giovanni da; Christ Crucified, probably before 1588; bronze, corpus, height including foot rest: .371 x .254 x .078 m ; National Gallery of Art, Washington, DC; Gift of Mr. and Mrs. John R. Gaines in memory of Clarence F. and Amelia R. Gaines, and Gloria Gaines, and in Honor of the 50th Anniversary of the NGA; 1991.16.1

From ULAN

Giambologna

Giovanni da Bologna

Giovanni Bologna

Jean Boulogne

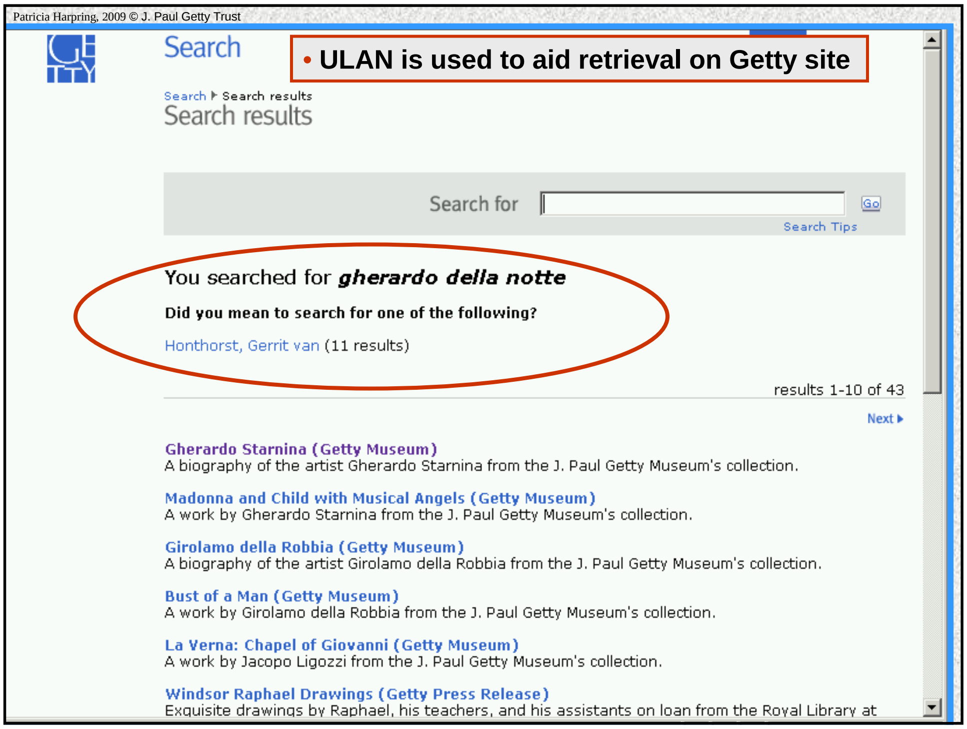
Jean de Boulogne

Bologna, Giovanni da

“giambologna” OR “giovanni da bologna” OR “giovanni bologna” OR “jean boulogne” OR “bologna, giovanni da”

Patricia Harpring, 2009

Images © J. Paul Getty Museum 2004, © Metropolitan Museum of Art 2004, © National Gallery of Aft Washington 2004, and © Musee du Louvre 2004



- ULAN is used to aid retrieval on Getty site

Search

Search ▸ Search results

Search results

Search for

You searched for ***gherardo della notte***

Did you mean to search for one of the following?

Honthorst, Gerrit van (11 results)

results 1-10 of 43

Gherardo Starnina (Getty Museum)
A biography of the artist Gherardo Starnina from the J. Paul Getty Museum's collection.

Madonna and Child with Musical Angels (Getty Museum)
A work by Gherardo Starnina from the J. Paul Getty Museum's collection.

Girolamo della Robbia (Getty Museum)
A biography of the artist Girolamo della Robbia from the J. Paul Getty Museum's collection.

Bust of a Man (Getty Museum)
A work by Girolamo della Robbia from the J. Paul Getty Museum's collection.

La Verna: Chapel of Giovanni (Getty Museum)
A work by Jacopo Ligozzi from the J. Paul Getty Museum's collection.

Windsor Raphael Drawings (Getty Press Release)
Exquisite drawings by Raphael, his teachers, and his assistants on loan from the Royal Library at

---

Using the hierarchy for retrieval

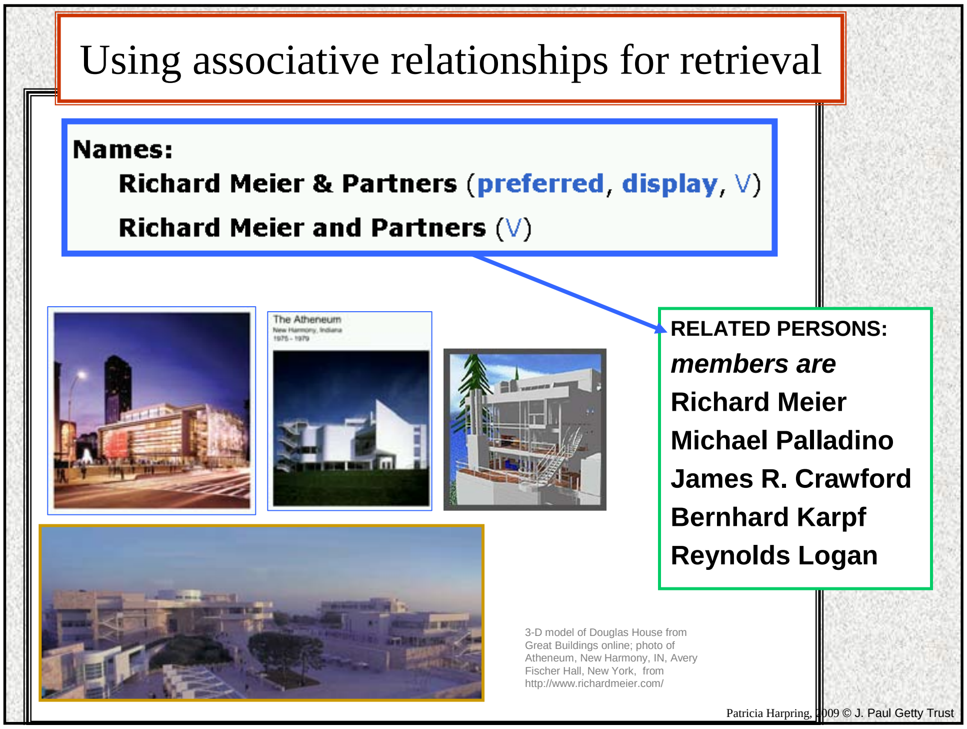
broader terms

Containers Hierarchy
...containers
.......<containers by form>
.........vessels
..............alembics
..............askoi
..............basins
..................louteria
..............beakers (vessels)
..............boilers (vessels)
..............bottles
..................<bottles by form>
..................<bottles by function>
..............bowls (vessels)
..................covered bowls
..............buckets (vessels)
..............cage-cups
..............cauldrons
..............craggans
..............crocks
..............dinoi
..............ewers
..................aquamaniles
..............face vessels

narrower terms

Include narrower terms if a user asks for a broader term

Images ©Metropolitan Museum of Art; *Bottle*, late 13th cen; Mamluk Attributed to Egypt or Syria; glass; Rogers Fund, 1941 (41.150) **©J. Paul Getty Museum**: *Ewer;* Porcelain:Chinese, Kangxi period, 1622-1722; Hard-paste porcelain, 82.DI.3; *Mounted Lidded Bowl*; Porcelain: Japanese, Imari, about 1700; Hard-paste porcelain, 79.DI.123; *Lidded Vase*; Chinese, Kangxi reign, 1662 - 1722 ; Hard-paste porcelain, 72.DE.73; *Oinochoe*; Greek, Ionia, about 625 B.C. ; Terracotta ; 81.AE.83; *Red-Figure Bell-Krater*; Attributed to the Choregos Painter ; Greek, South Italy, Apulia, about 380 B.C. ; Terracotta ; 96.AE.29; *Red-Figure Kylix*; Signed by Douris, vase-painter; attributed to Python, potter; Greek, Athens, about 480 B.C. ; Terracotta ; 84.AE.569



Using associative relationships for retrieval

Names:

Richard Meier & Partners (**preferred**, **display**, V)

Richard Meier and Partners (V)

RELATED PERSONS:

members are

Richard Meier

Michael Palladino

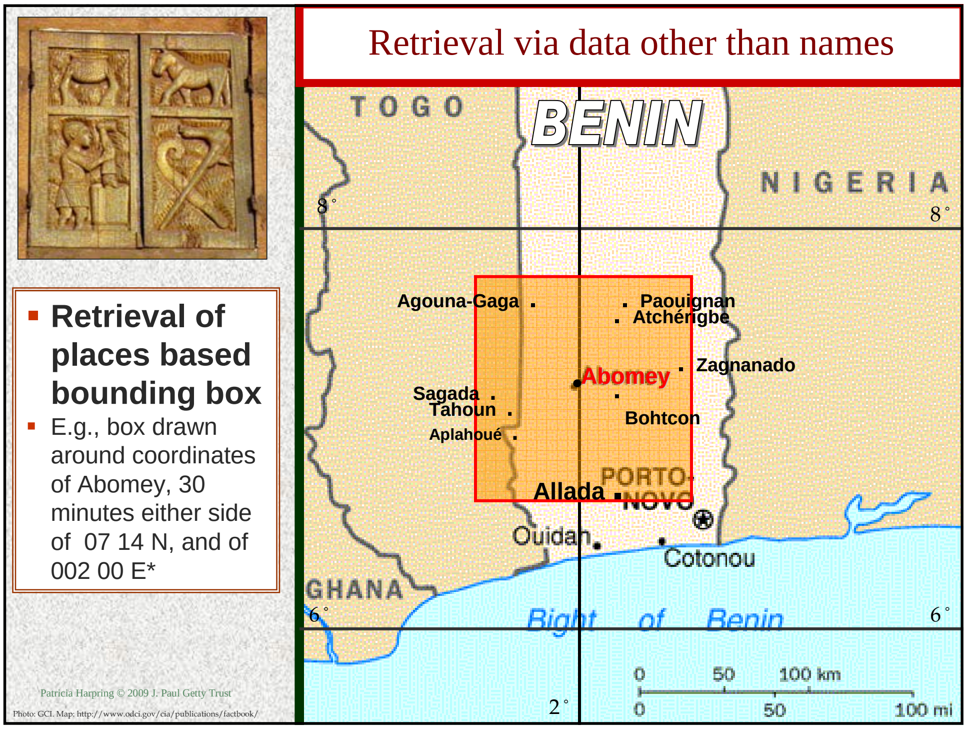
James R. Crawford

Bernhard Karpf

Reynolds Logan

The Atheneum
New Harmony, Indiana
1975 - 1979

3-D model of Douglas House from Great Buildings online; photo of Atheneum, New Harmony, IN, Avery Fischer Hall, New York, from http://www.richardmeier.com/



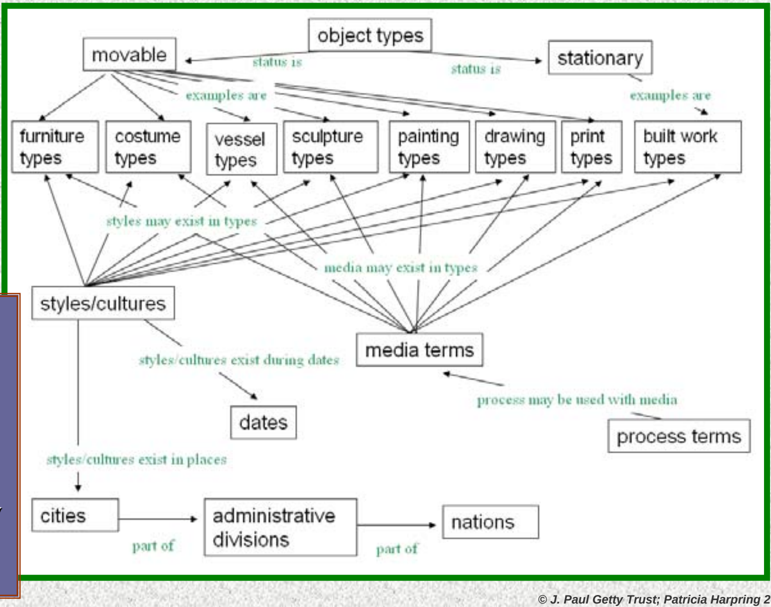
Retrieval via data other than names

- **Retrieval of places based bounding box**
- E.g., box drawn around coordinates of Abomey, 30 minutes either side of 07 14 N, and of 002 00 E*

TOGO
BENIN
NIGERIA
8°
8°
Agouna-Gaga
Paouignan
Atchérigbe
Zagnanado
Abomey
Sagada
Tahoun
Aplahoué
Bohtcon
PORTO-NOVO
Allada
Ouidah
Cotonou
GHANA
6°
Bight of Benin
6°
2°
0
50
100 km
0
50
100 mi

Photo: GCI. Map: http://www.odci.gov/cia/publications/factbook/

Using other semantic relationships in retrieval


object types
movable
status is
status is
stationary
examples are
examples are
furniture types
costume types
vessel types
sculpture types
painting types
drawing types
print types
built work types
styles may exist in types
media may exist in types
styles/cultures
media terms
styles/cultures exist during dates
dates
process may be used with media
process terms
styles/cultures exist in places
cities
part of
administrative divisions
part of
nations

- retrieval using defined relation-ships between vocabulary terms and other data

Interoperability

- Interoperability in the context of controlled vocabularies refers to the ability of two or more vocabularies and their systems or components of their systems to exchange and use each other's information.
- Used in retrieval and also by indexers who need multiple, but related, vocabularies
- Mapping terms from two vocabularies is challenging
  - meaning of terms, structure, context, synonymity, authoritativeness, pre- and post-coordination, and other issues must be resolved
- Some mapping may be done by data mining and algorithms, but human mediation is also necessary for success

How to Display Vocabulary Information

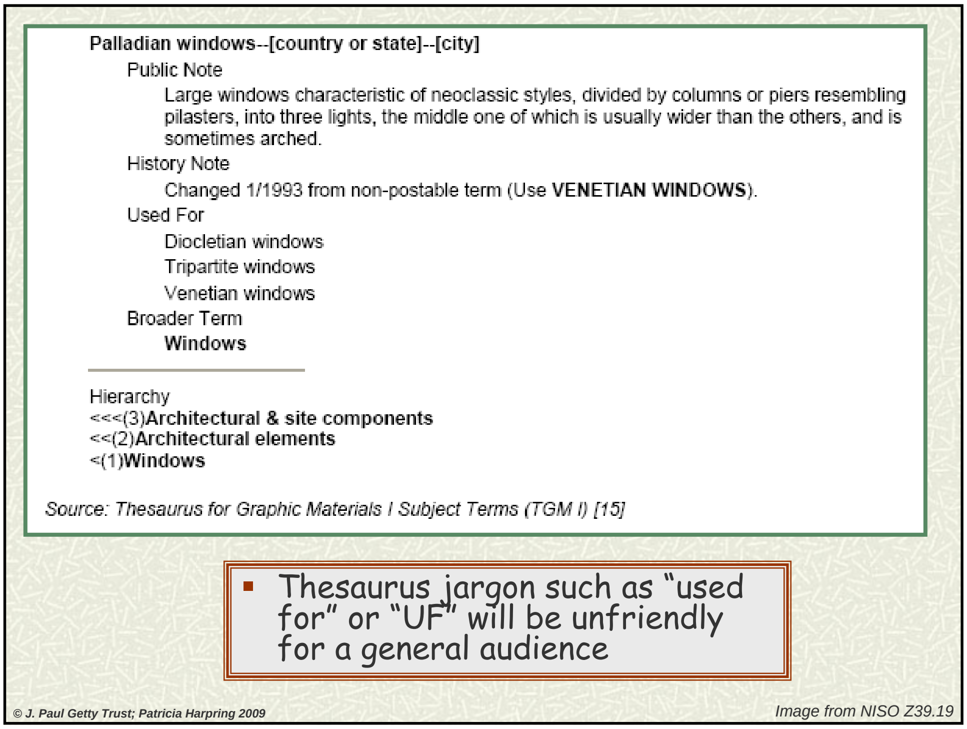
Displaying names/terms

Names:

- **Schiavone, Andrea** (**preferred**, **index**, V, Italian-P)
- **Andrea Schiavone** (**display**, V)
- **Medulič, Andrija** (V, Serbo-Croatian)
- **Meldolla, Andrea** (V)
- **Andrea Meldolla** (V)
- **Meldola, Andrea** (V)
- **Andrea Schiavone veneziano** (V)
- **André Schiavon** (V)
- **Andrea Esclabon** (V)
- **Andrea Schiavoni** (V)
- **Schavione, Andrea** (V)
- **Andrea Shiavoni** (V)
- **Schiavoni, Andrea** (V)

Landscape with Jupiter and Io; Oil on canvas, 205,5 x 275,5 cm; The Hermitage, St. Petersburg
image: http://www.kfki.hu/~arthp/html/s/schiavon/index.html

- Be sure it is clear which name/term is preferred.
- Arrange terms in logical order, where appropriate (e.g., most commonly used at the top)



Palladian windows--[country or state]--[city]

Public Note

Large windows characteristic of neoclassic styles, divided by columns or piers resembling pilasters, into three lights, the middle one of which is usually wider than the others, and is sometimes arched.

History Note

Changed 1/1993 from non-postable term (Use **VENETIAN WINDOWS**).

Used For

Diocletian windows
Tripartite windows
Venetian windows

Broader Term

Windows

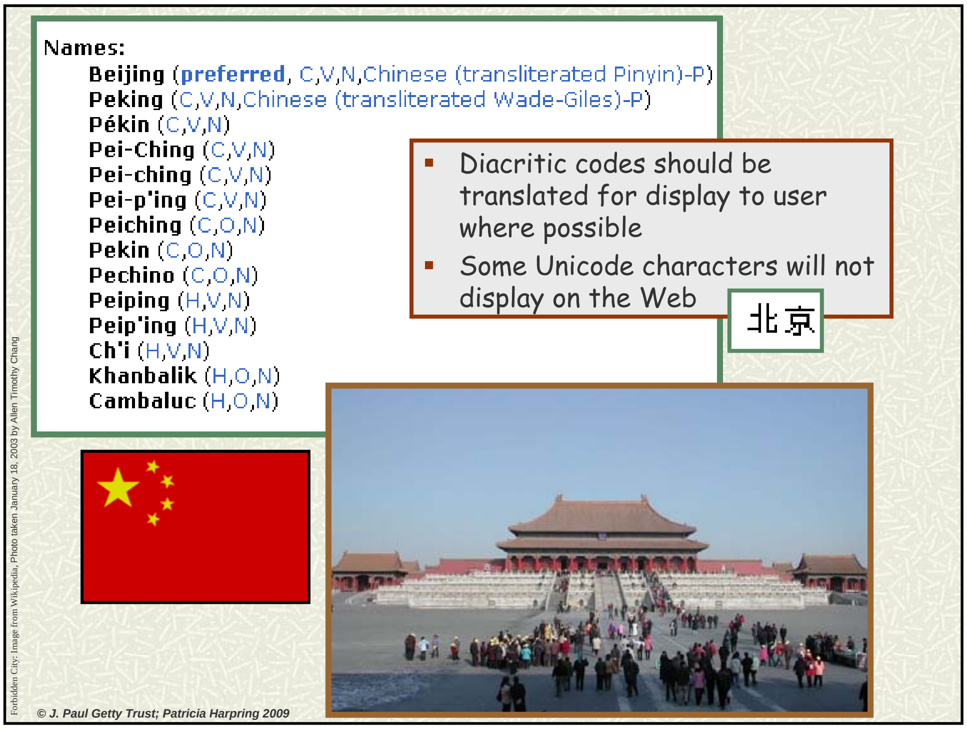
Hierarchy
<<<(3)**Architectural & site components**
<<(2)**Architectural elements**
<(1)**Windows**

Source: Thesaurus for Graphic Materials I Subject Terms (TGM I) [15]

- Thesaurus jargon such as "used for" or "UF" will be unfriendly for a general audience

© J. Paul Getty Trust; Patricia Harpring 2009

Image from NISO Z39.19



Names:

Beijing (**preferred**, C,V,N,Chinese (transliterated Pinyin)-P)
Peking (C,V,N,Chinese (transliterated Wade-Giles)-P)
Pékin (C,V,N)
Pei-Ching (C,V,N)
Pei-ching (C,V,N)
Pei-p'ing (C,V,N)
Peiching (C,O,N)
Pekin (C,O,N)
Pechino (C,O,N)
Peiping (H,V,N)
Peip'ing (H,V,N)
Ch'i (H,V,N)
Khanbalik (H,O,N)
Cambaluc (H,O,N)

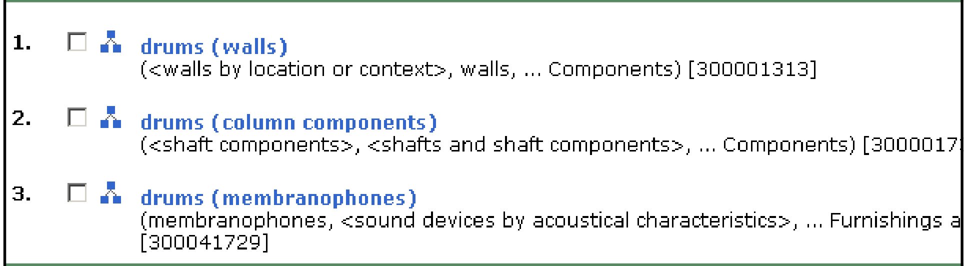
- Diacritic codes should be translated for display to user where possible
- Some Unicode characters will not display on the Web

北京

Forbidden City; Image from Wikipedia, Photo taken January 18, 2003 by Allen Timothy Chang

© J. Paul Getty Trust; Patricia Harpring 2009

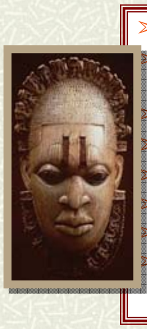
How to disambiguate homographs



1. ☐ drums (walls)
   (<walls by location or context>, walls, ... Components) [300001313]
2. ☐ drums (column components)
   (<shaft components>, <shafts and shaft components>, ... Components) [3000017
3. ☐ drums (membranophones)
   (membranophones, <sound devices by acoustical characteristics>, ... Furnishings a
   [300041729]

- *For AAT, use the qualifier, if any*
- *Place qualifier in parentheses*
- *Also add parent string as necessary*
- *Use unique numeric IDs to disambiguate in your database*

- *Qualifiers provide clarity for display*
- *But are typically impractical in retrieval*

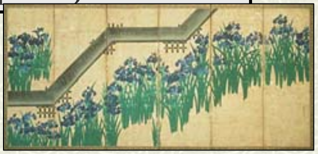


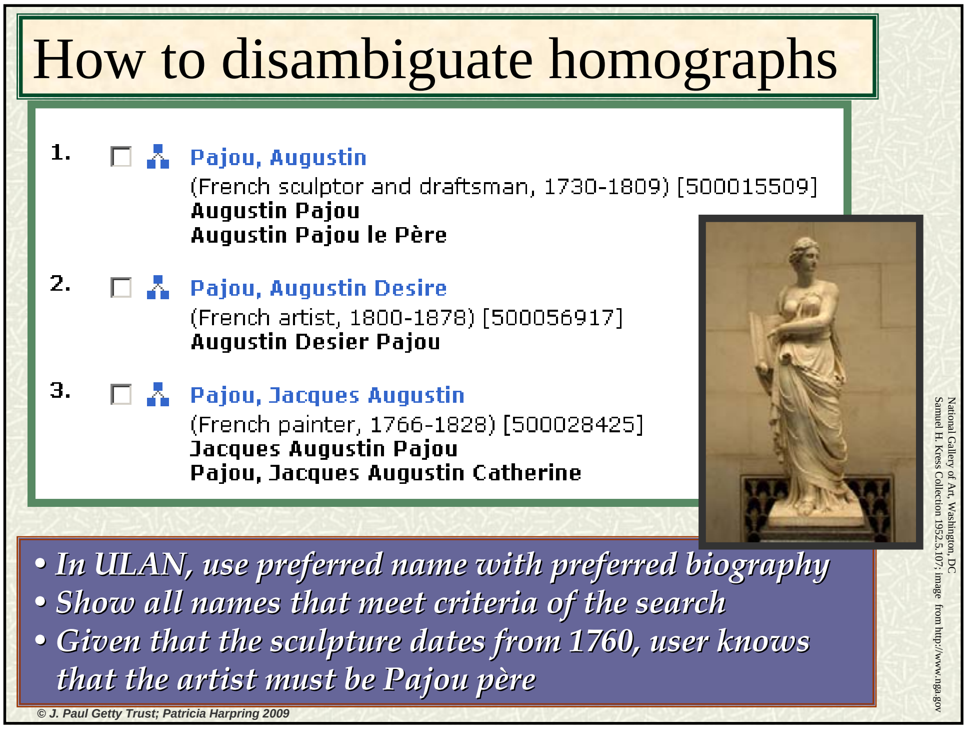
- ***Title :*** Pendant Mask
- ***Artist*:** unknown Nigerian, Court of Benin
- ***Object Type*:** mask
- **Style: Edo (African)**
- ***Medium:*** ivory, iron, and copper
- ***Date of Execution*:** ca. 1415
- ***Dimensions:*** h. 9 3/8 in. (23.8 cm)
- ***Location:*** Metropolitan Museum of Art, Michael C. Rockefeller Memorial Collection, Gift of Nelson A. Rockefeller, 1972, 1978

Styles and Periods Hierarchy
...<African styles by region>
.......<West African styles>
……....<Southern Nigerian styles>
……......<Edo-speaking cultures>
……….........**Edo (African)**

- ***Title :***Six Fold Screen: Iris and Bridge
- ***Artist*:** Ogata Korin
- ***Object Type*:** mask
- **Style: Edo (Japanese)**
- ***Medium:*** six fold screen; ink, color, and gold leaf on paper
- ***Date of Execution*:** Edo period
- ***Dimensions:*** 70 1/2 x 146 1/4 in.
- ***Location:*** Metropolitan Museum of Art, Purchase, Louisa Eldridge McBurney Gift, 1953

Styles and Periods Hierarchy
...<Japanese periods>
.......<early modern Japanese periods>
..........**Edo (Japanese)**





How to disambiguate homographs

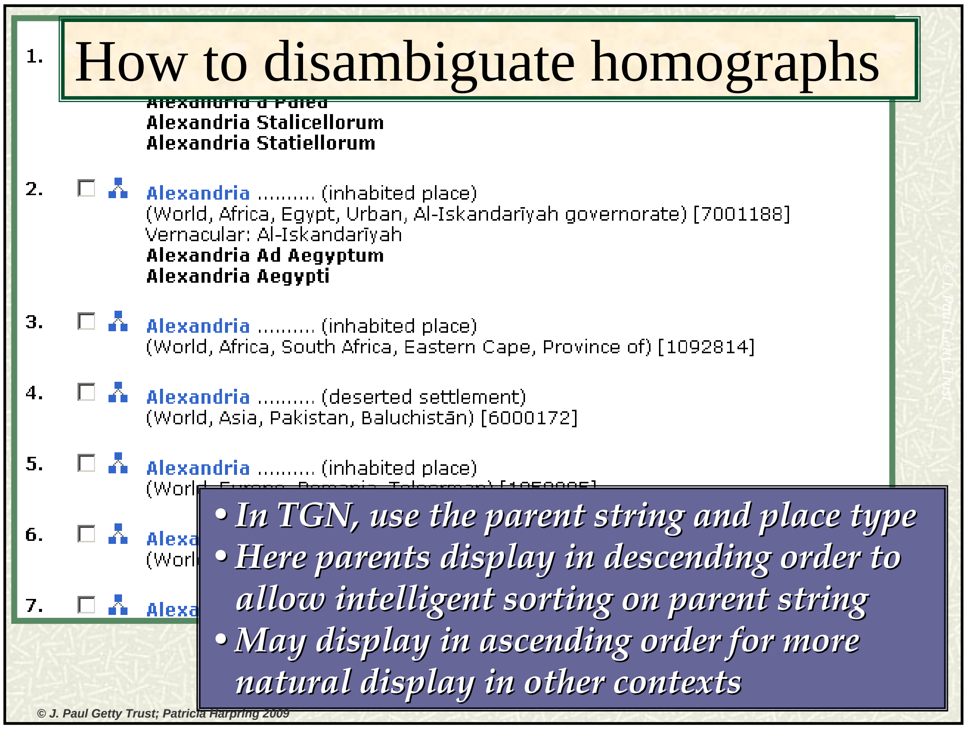
1. ☐ **Pajou, Augustin**
(French sculptor and draftsman, 1730-1809) [500015509]
Augustin Pajou
Augustin Pajou le Père

2. ☐ **Pajou, Augustin Desire**
(French artist, 1800-1878) [500056917]
Augustin Desier Pajou

3. ☐ **Pajou, Jacques Augustin**
(French painter, 1766-1828) [500028425]
Jacques Augustin Pajou
Pajou, Jacques Augustin Catherine

National Gallery of Art, Washington, DC
Samuel H. Kress Collection 1952.5.107; image from http://www.nga.gov

- *In ULAN, use preferred name with preferred biography*
- *Show all names that meet criteria of the search*
- *Given that the sculpture dates from 1760, user knows that the artist must be Pajou père*



How to disambiguate homographs

1.
Alexandria Stalicellorum
Alexandria Statiellorum

2. ☐ **Alexandria** .... (inhabited place)
(World, Africa, Egypt, Urban, Al-Iskandarīyah governorate) [7001188]
Vernacular: Al-Iskandarīyah
Alexandria Ad Aegyptum
Alexandria Aegypti

3. ☐ **Alexandria** .... (inhabited place)
(World, Africa, South Africa, Eastern Cape, Province of) [1092814]

4. ☐ **Alexandria** .... (deserted settlement)
(World, Asia, Pakistan, Baluchistān) [6000172]

5. ☐ **Alexandria** .... (inhabited place)
(Worl

6. ☐ **Alexa**
(Worl

7. ☐ **Alexa**

- *In TGN, use the parent string and place type*
- *Here parents display in descending order to allow intelligent sorting on parent string*
- *May display in ascending order for more natural display in other contexts*

How to disambiguate homographs

Alexandria *(Asia, Pakistan, Baluchistan)......*(deserted settlement)

Alexandria *(Baluchistan, Pakistan)* (deserted settlement)

image from Encyclopedia Britannica OnLine; Alexander the Great as Zeus Ammon on a silver tetradrachm of Lysimachus;, 297-281 BC; thought to be a copy of a portrait by Lysippus. In the BritishMuseum.

- *Parent string in reverse order allows indexing by continent, nation*
- *In natural order is easier to read*

Accommodate requirements of horizontal vs. hierarchical displays. E.g., “display name” for parent string

- special name flagged for horizontal displays
- where simple name is confusing
- in a heading

SUDAN
ETHIOPIA
UGANDA
SOMALIA
KENYA
NAIROBI
Lake Victoria
Indian Ocean

Names:
  Coast (preferred, C,V,N)
  Coast Province (display, C,V,N)

Galana (*Coast Province*, Kenya, Africa) river

http://encarta.msn.com/

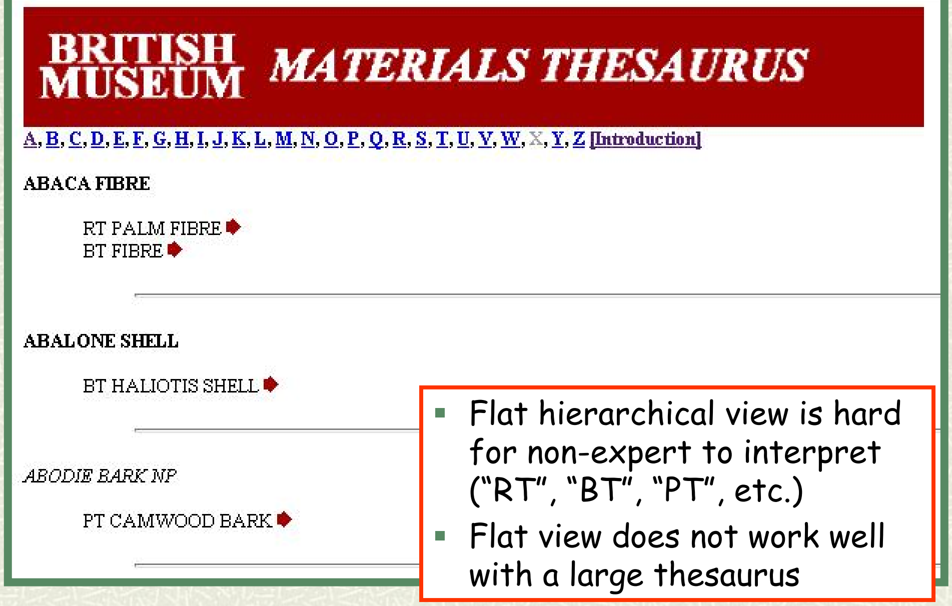
Hierarchical display for thesauri

Top of the TGN hierarchy (hierarchy root)
.... World (facet)
.... Asia (continent)
.... India (nation)
.... Delhi (union territory)
.... Delhi metropolitan area (metropolitan area)
.... Delhi (inhabited place)
.... Qutb Minar (tower)
.... Red Fort (fort)

- Preferred display of hierarchies is with indentation for general audience
- Use graphics to indicate focus and where levels may be expanded

Image: AP photo in BBC online

Other displays for thesauri



BRITISH MUSEUM MATERIALS THESAURUS

A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z [Introduction]

ABACA FIBRE

RT PALM FIBRE
BT FIBRE

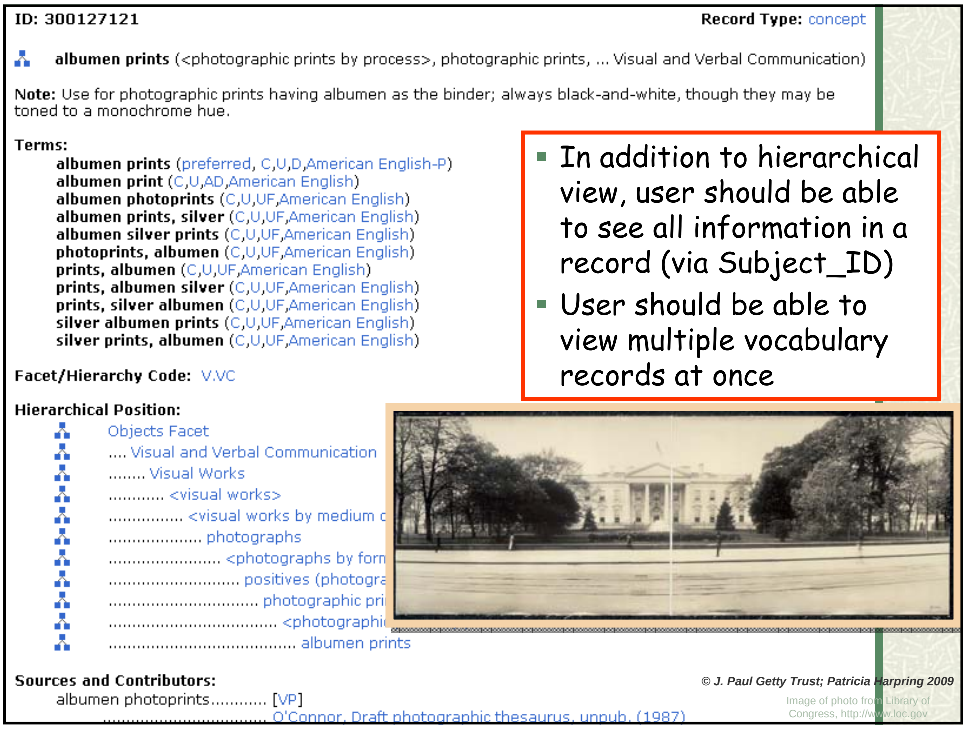
ABALONE SHELL

BT HALIOTIS SHELL

ABODIE BARK NP

PT CAMWOOD BARK

- Flat hierarchical view is hard for non-expert to interpret (“RT”, “BT”, “PT”, etc.)
- Flat view does not work well with a large thesaurus



ID: 300127121 **Record Type:** concept

albumen prints (<photographic prints by process>, photographic prints, ... Visual and Verbal Communication)

Note: Use for photographic prints having albumen as the binder; always black-and-white, though they may be toned to a monochrome hue.

Terms:

albumen prints (preferred, C,U,D,American English-P)
albumen print (C,U,AD,American English)
albumen photoprints (C,U,UF,American English)
albumen prints, silver (C,U,UF,American English)
albumen silver prints (C,U,UF,American English)
photoprints, albumen (C,U,UF,American English)
prints, albumen (C,U,UF,American English)
prints, albumen silver (C,U,UF,American English)
prints, silver albumen (C,U,UF,American English)
silver albumen prints (C,U,UF,American English)
silver prints, albumen (C,U,UF,American English)

Facet/Hierarchy Code: V.VC

Hierarchical Position:

Objects Facet
.... Visual and Verbal Communication
.... Visual Works
.... <visual works>
.... <visual works by medium c
.... photographs
.... <photographs by form
.... positives (photogra
.... photographic pri
.... <photographi
.... albumen prints

Sources and Contributors:

albumen photoprints............ [VP]
.... O'Connor, Draft photographic thesaurus, unpub. (1987)

- In addition to hierarchical view, user should be able to see all information in a record (via Subject_ID)
- User should be able to view multiple vocabulary records at once

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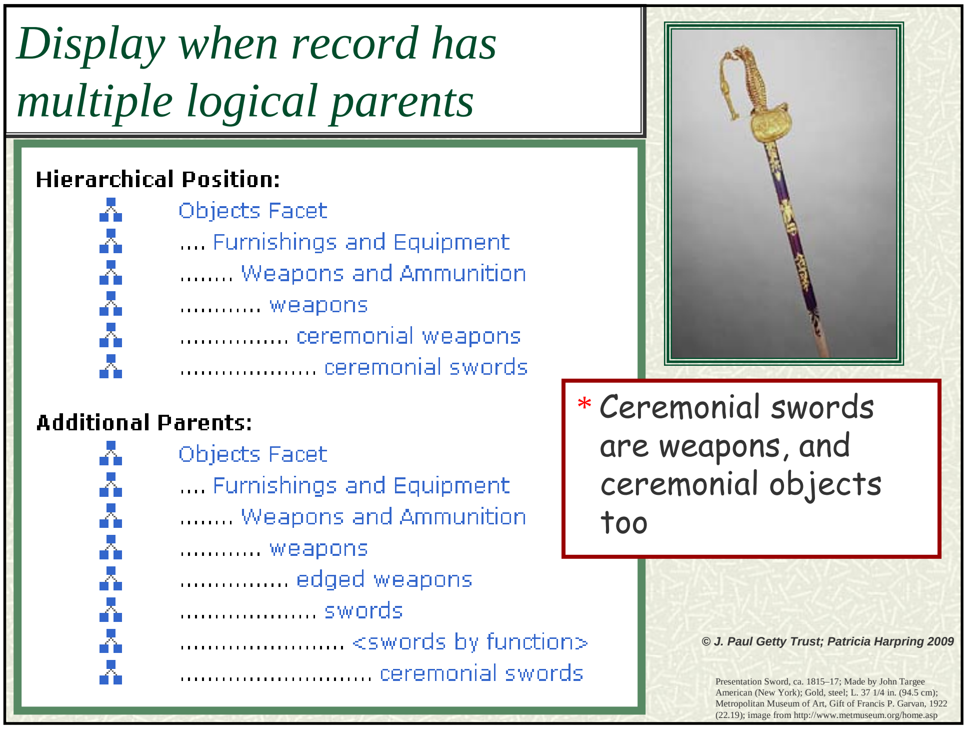
Image of photo from Library of Congress, http://www.loc.gov



Display when record has multiple logical parents

Hierarchical Position:

Objects Facet
.... Furnishings and Equipment
.... Weapons and Ammunition
.... weapons
.... ceremonial weapons
.... ceremonial swords

Additional Parents:

Objects Facet
.... Furnishings and Equipment
.... Weapons and Ammunition
.... weapons
.... edged weapons
.... swords
.... <swords by function>
.... ceremonial swords

* Ceremonial swords are weapons, and ceremonial objects too

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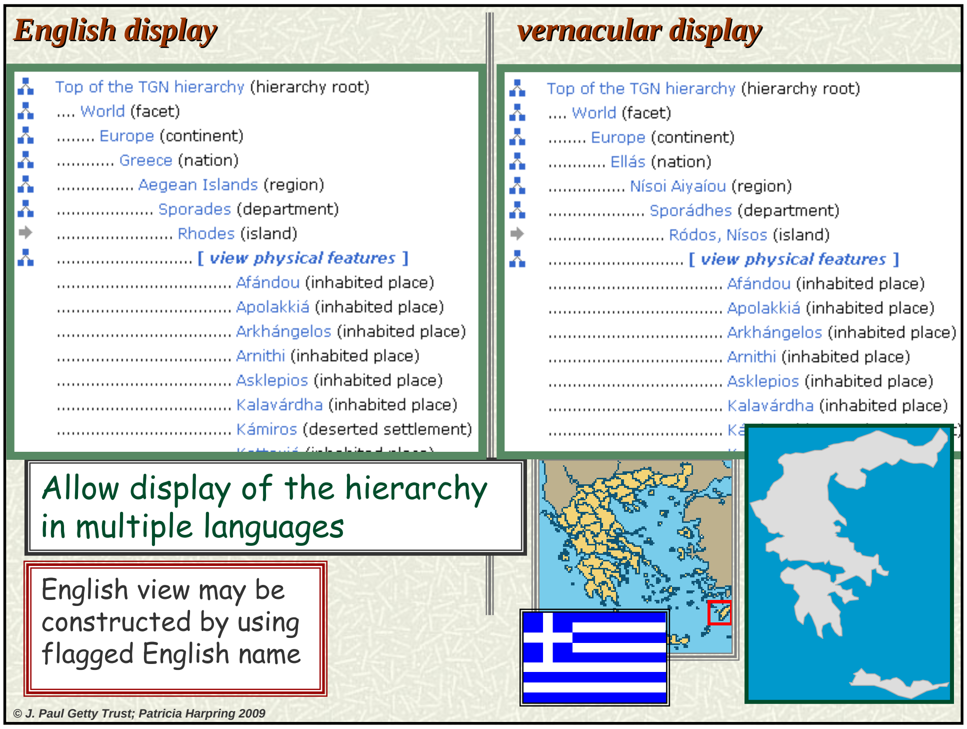
Presentation Sword, ca. 1815–17; Made by John Targee American (New York); Gold, steel; L. 37 1/4 in. (94.5 cm); Metropolitan Museum of Art, Gift of Francis P. Garvan, 1922 (22.19); image from http://www.metmuseum.org/home.asp



English display

Top of the TGN hierarchy (hierarchy root)
.... World (facet)
.... Europe (continent)
.... Greece (nation)
.... Aegean Islands (region)
.... Sporades (department)
.... Rhodes (island)
.... [*view physical features*]
.... Afándou (inhabited place)
.... Apolakkiá (inhabited place)
.... Arkhángelos (inhabited place)
.... Arnithi (inhabited place)
.... Asklepios (inhabited place)
.... Kalavárdha (inhabited place)
.... Kámiros (deserted settlement)

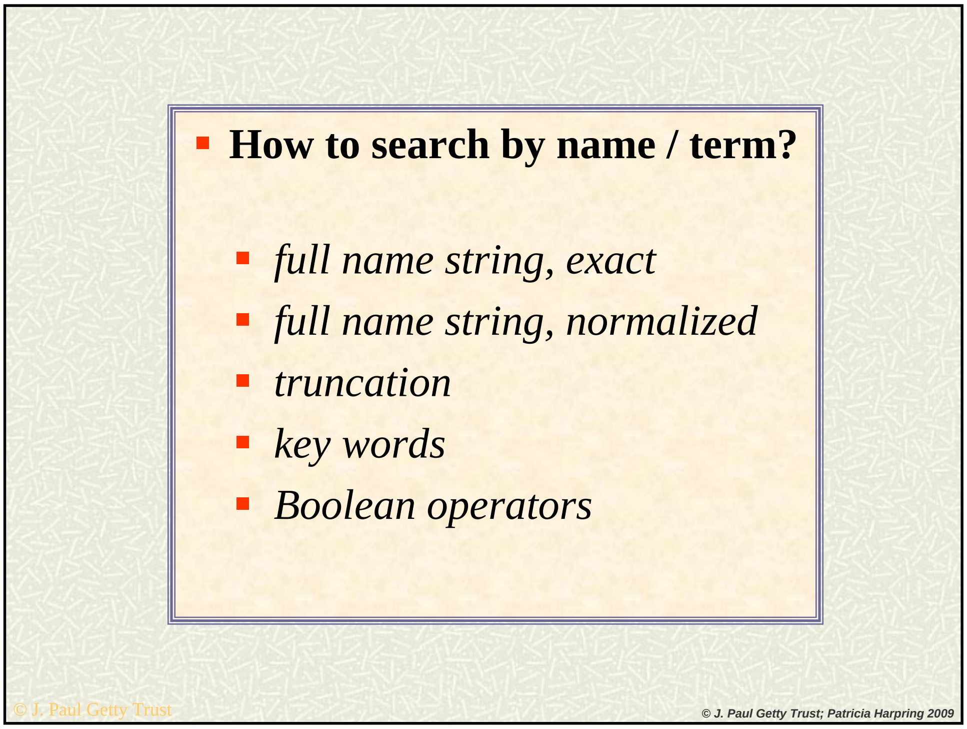
vernacular display

Top of the TGN hierarchy (hierarchy root)
.... World (facet)
.... Europe (continent)
.... Ellás (nation)
.... Nísoi Aiyaíou (region)
.... Sporádhes (department)
.... Ródos, Nísos (island)
.... [*view physical features*]
.... Afándou (inhabited place)
.... Apolakkiá (inhabited place)
.... Arkhángelos (inhabited place)
.... Arnithi (inhabited place)
.... Asklepios (inhabited place)
.... Kalavárdha (inhabited place)

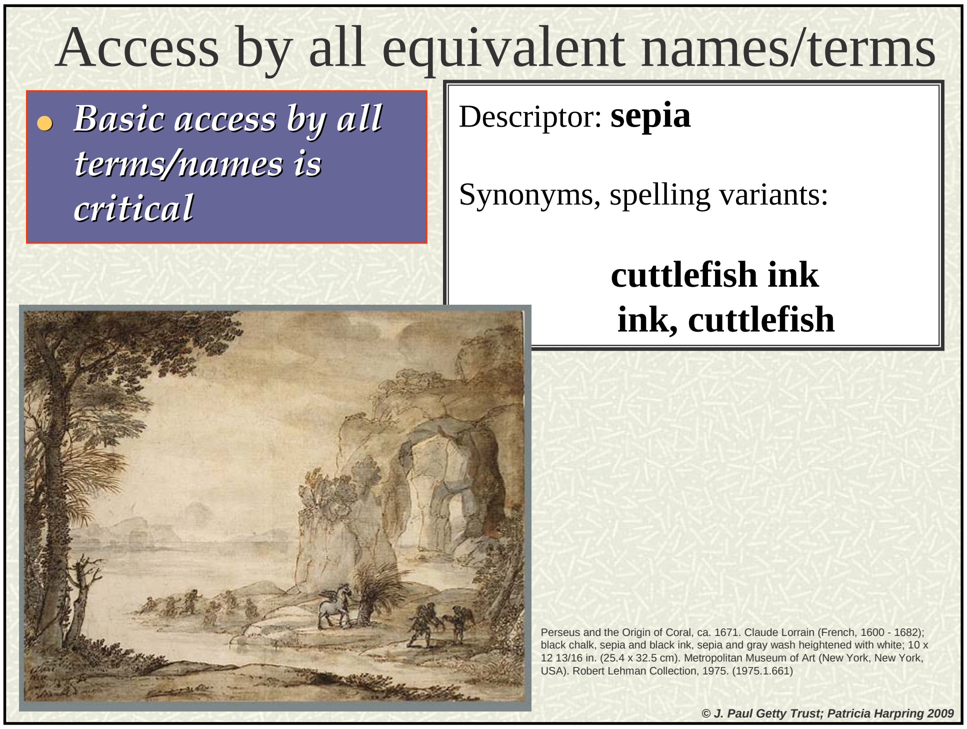
Allow display of the hierarchy in multiple languages

English view may be constructed by using flagged English name

How to Retrieve by Name / Term



- **How to search by name / term?**
  - *full name string, exact*
  - *full name string, normalized*
  - *truncation*
  - *key words*
  - *Boolean operators*



Access by all equivalent names/terms

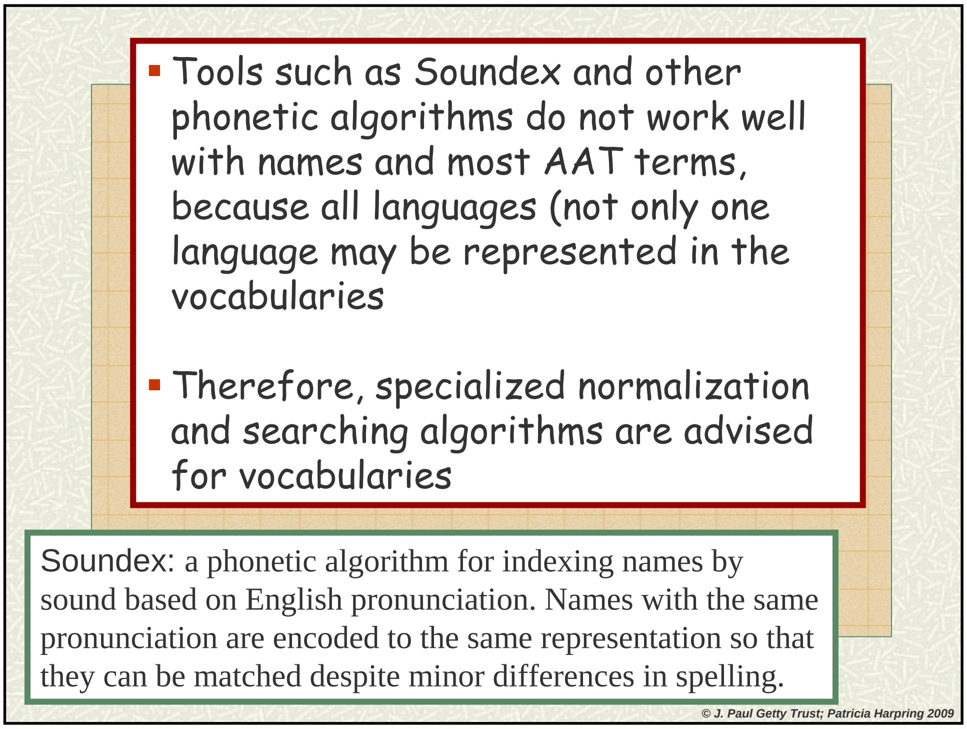
- *Basic access by all terms/names is critical*

Descriptor: **sepia**

Synonyms, spelling variants:

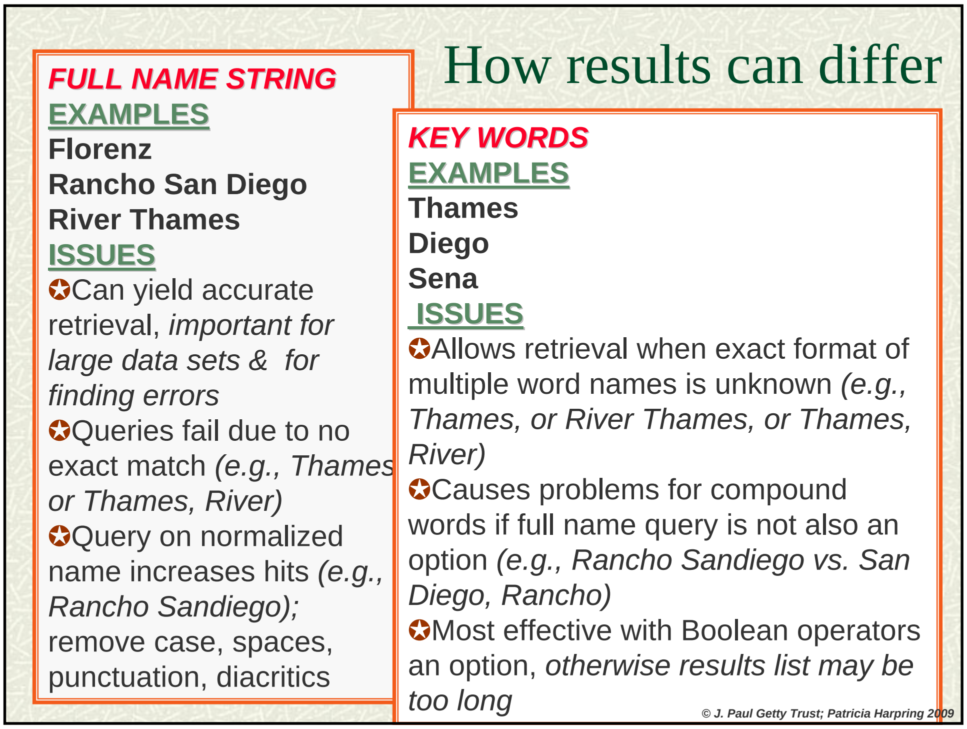
cuttlefish ink
ink, cuttlefish

Perseus and the Origin of Coral, ca. 1671. Claude Lorrain (French, 1600 - 1682); black chalk, sepia and black ink, sepia and gray wash heightened with white; 10 x 12 13/16 in. (25.4 x 32.5 cm). Metropolitan Museum of Art (New York, New York, USA). Robert Lehman Collection, 1975. (1975.1.661)



- Tools such as Soundex and other phonetic algorithms do not work well with names and most AAT terms, because all languages (not only one language may be represented in the vocabularies
- Therefore, specialized normalization and searching algorithms are advised for vocabularies

Soundex: a phonetic algorithm for indexing names by sound based on English pronunciation. Names with the same pronunciation are encoded to the same representation so that they can be matched despite minor differences in spelling.



How results can differ

FULL NAME STRING

EXAMPLES

Florenz
Rancho San Diego
River Thames

ISSUES

✪Can yield accurate retrieval, *important for large data sets & for finding errors*

✪Queries fail due to no exact match *(e.g., Thames or Thames, River)*

✪Query on normalized name increases hits *(e.g., Rancho Sandiego);* remove case, spaces, punctuation, diacritics

KEY WORDS

EXAMPLES

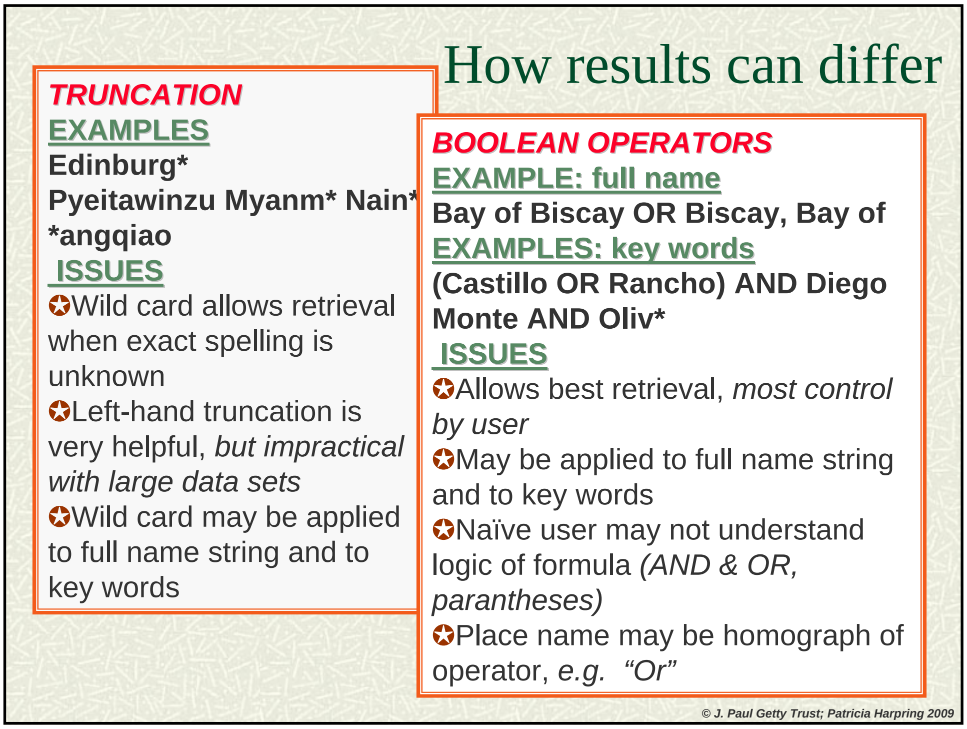
Thames
Diego
Sena

ISSUES

✪Allows retrieval when exact format of multiple word names is unknown *(e.g., Thames, or River Thames, or Thames, River)*

✪Causes problems for compound words if full name query is not also an option *(e.g., Rancho Sandiego vs. San Diego, Rancho)*

✪Most effective with Boolean operators an option, *otherwise results list may be too long*



How results can differ

TRUNCATION

EXAMPLES

Edinburg*

Pyeitawinzu Myanm* Nain*

***angqiao**

ISSUES

✪Wild card allows retrieval when exact spelling is unknown

✪Left-hand truncation is very helpful, *but impractical with large data sets*

✪Wild card may be applied to full name string and to key words

BOOLEAN OPERATORS

EXAMPLE: full name

Bay of Biscay OR Biscay, Bay of

EXAMPLES: key words

(Castillo OR Rancho) AND Diego

Monte AND Oliv*

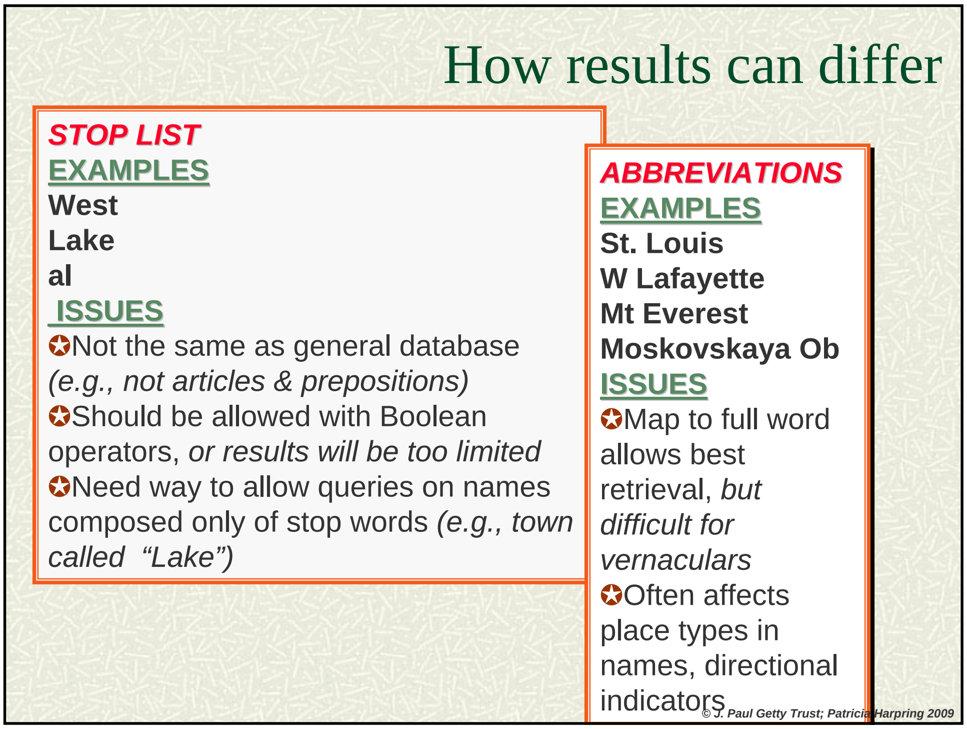
ISSUES

✪Allows best retrieval, *most control by user*

✪May be applied to full name string and to key words

✪Naïve user may not understand logic of formula *(AND & OR, parantheses)*

✪Place name may be homograph of operator, *e.g. "Or"*



How results can differ

STOP LIST

EXAMPLES

West

Lake

al

ISSUES

✪Not the same as general database *(e.g., not articles & prepositions)*

✪Should be allowed with Boolean operators, *or results will be too limited*

✪Need way to allow queries on names composed only of stop words *(e.g., town called "Lake")*

ABBREVIATIONS

EXAMPLES

St. Louis

W Lafayette

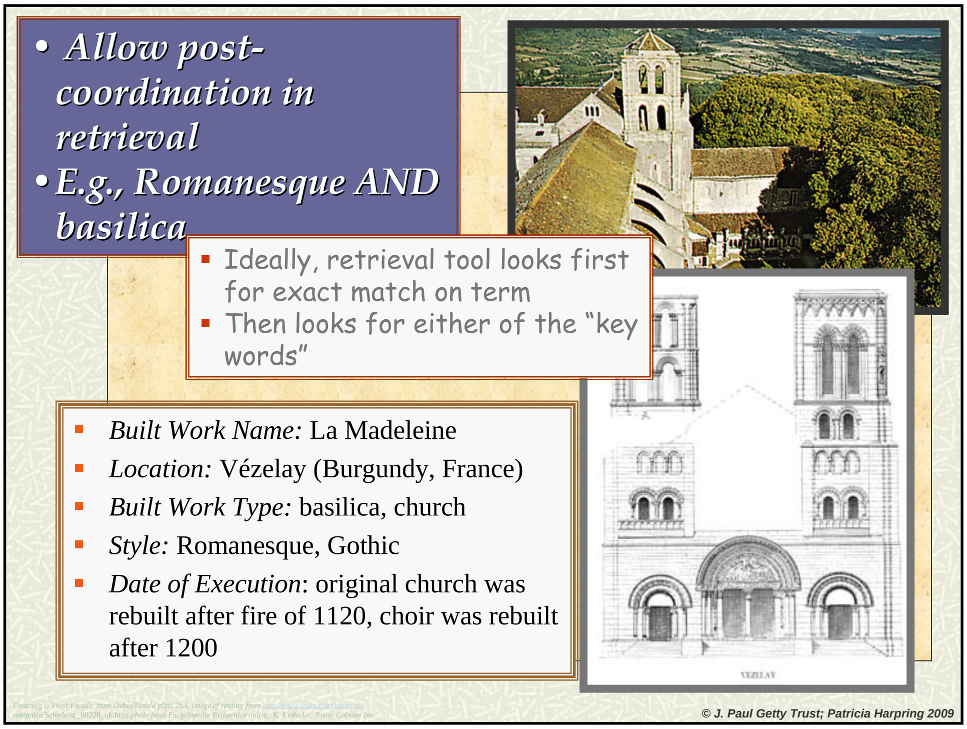
Mt Everest

Moskovskaya Ob

ISSUES

✪Map to full word allows best retrieval, *but difficult for vernaculars*

✪Often affects place types in names, directional indicators



- *Allow post-coordination in retrieval*
- *E.g., Romanesque AND basilica*
  - Ideally, retrieval tool looks first for exact match on term
  - Then looks for either of the "key words"

- *Built Work Name:* La Madeleine
- *Location:* Vézelay (Burgundy, France)
- *Built Work Type:* basilica, church
- *Style:* Romanesque, Gothic
- *Date of Execution*: original church was rebuilt after fire of 1120, choir was rebuilt after 1200

Drawing is West Facade, from Dehio/Bezold plate 263, Image of rawing from http://www.thais.it/architettura/romanica/Schede/sc_00220_uk.htm; *photo from Encyclopedia Britannica online, K. Krahulec, Bruce Colman Inc.*

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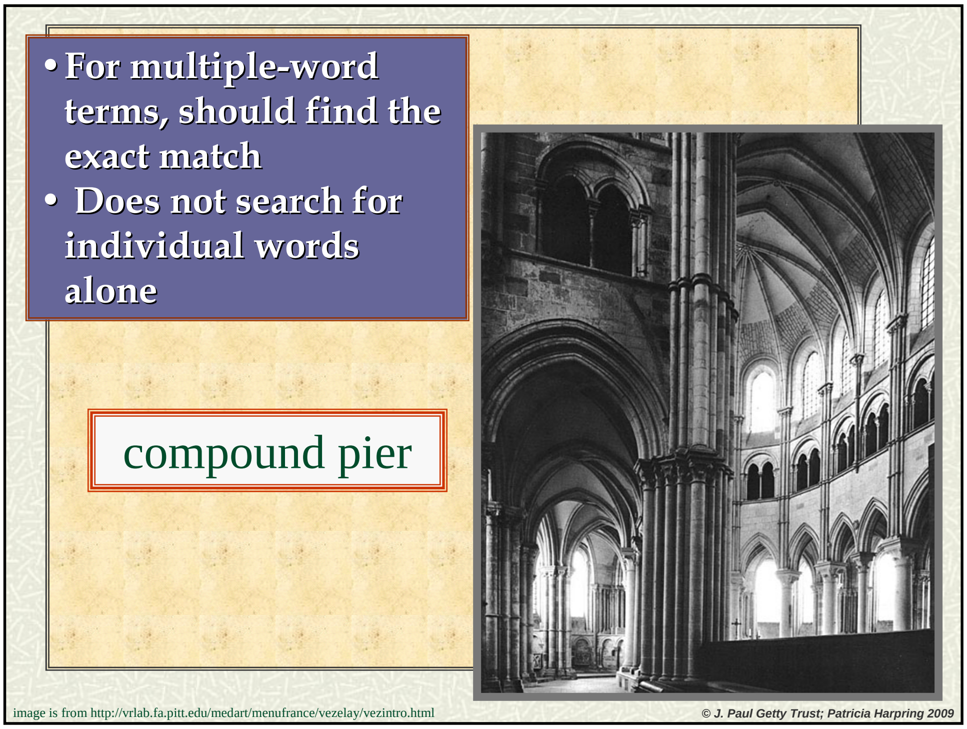

- **For multiple-word terms, should find the exact match**
- **Does not search for individual words alone**

compound pier

image is from http://vrlab.fa.pitt.edu/medart/menufrance/vezelay/vezintro.html

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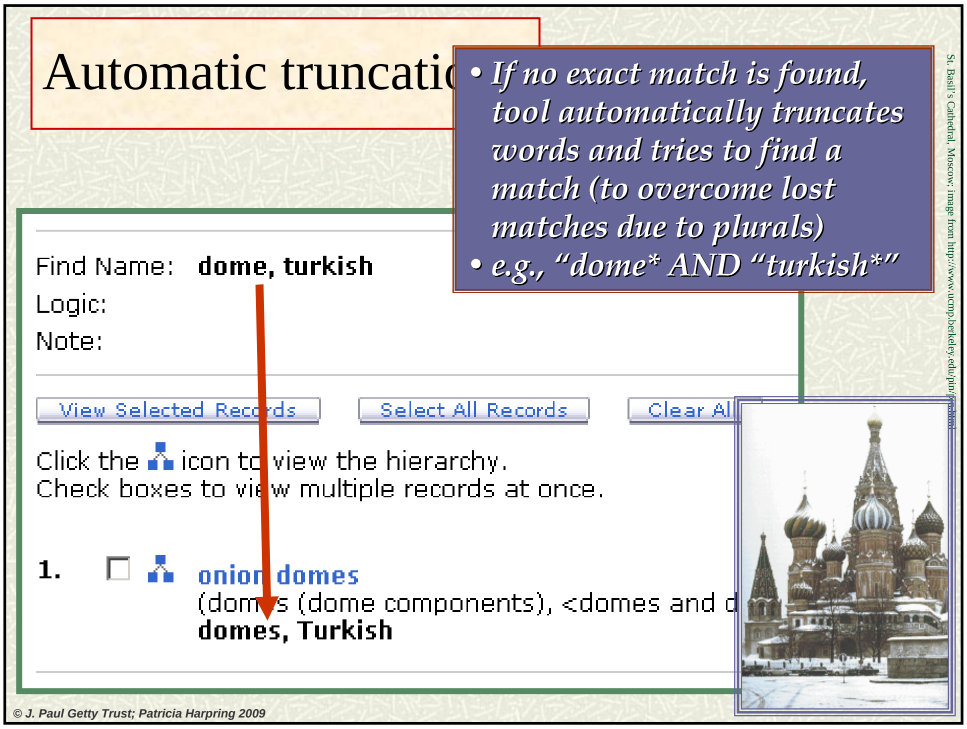


Automatic truncati

- *If no exact match is found, tool automatically truncates words and tries to find a match (to overcome lost matches due to plurals)*
- *e.g., “dome* AND “turkish*”*

Find Name: **dome, turkish**

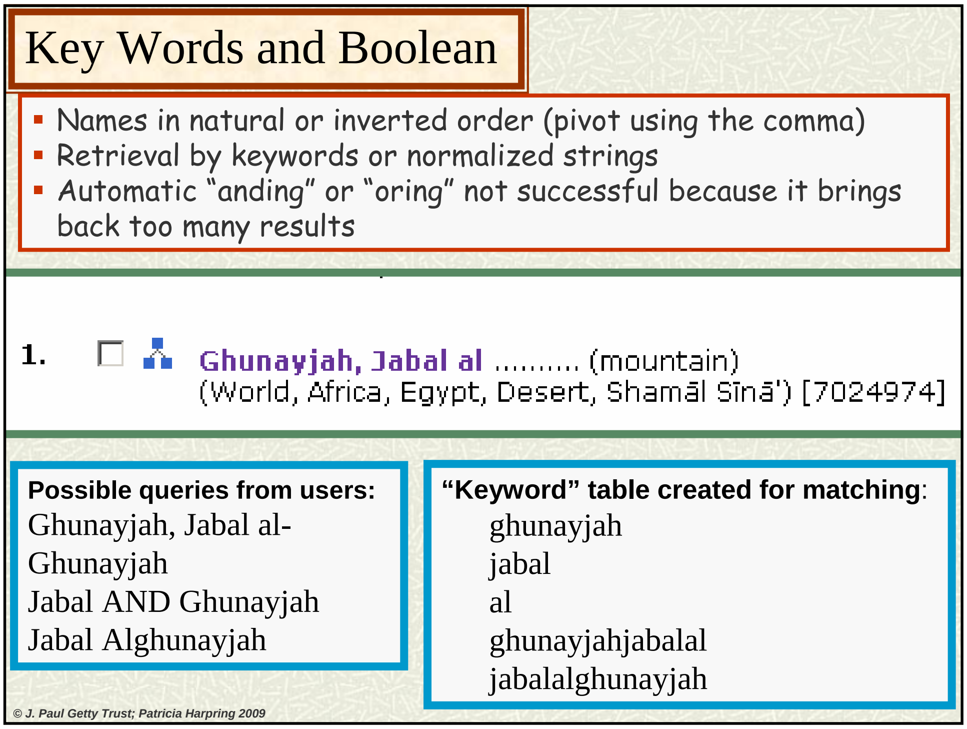
Logic:

Note:

Click the icon to view the hierarchy.
Check boxes to view multiple records at once.

1. ☐ onion domes
(domes (dome components), <domes and d
domes, Turkish

St. Basil’s Cathedral, Moscow; image from http://www.ucmp.berkeley.edu/pin/



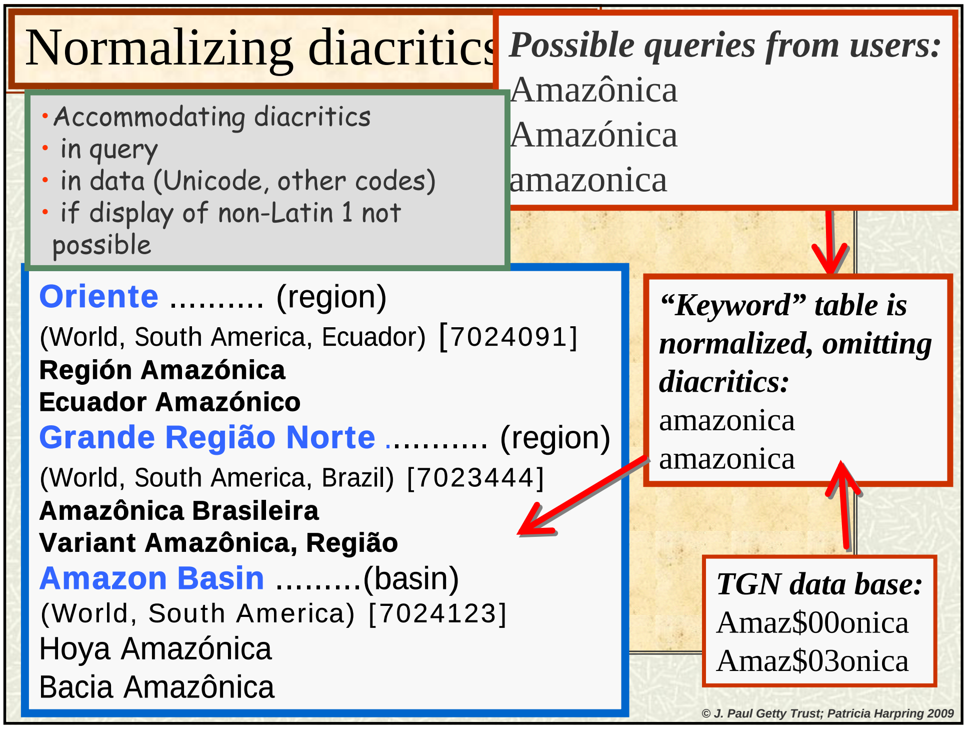
Key Words and Boolean

- Names in natural or inverted order (pivot using the comma)
- Retrieval by keywords or normalized strings
- Automatic “anding” or “oring” not successful because it brings back too many results

1. ☐ Ghunayjah, Jabal al .... (mountain)
(World, Africa, Egypt, Desert, Shamāl Sīnā') [7024974]

Possible queries from users:
Ghunayjah, Jabal al-
Ghunayjah
Jabal AND Ghunayjah
Jabal Alghunayjah

“Keyword” table created for matching:
ghunayjah
jabal
al
ghunayjahjabalal
jabalalghunayjah



Normalizing diacritics

- Accommodating diacritics
  - in query
  - in data (Unicode, other codes)
  - if display of non-Latin 1 not possible

Possible queries from users:

Amazônica
Amazónica
amazonica

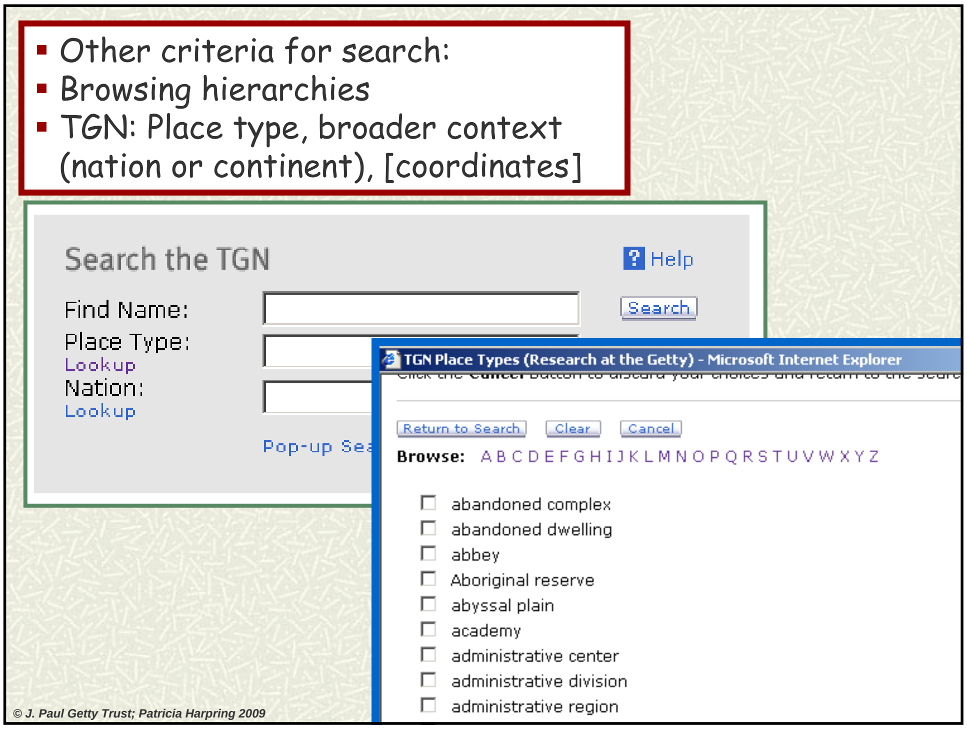
"Keyword" table is normalized, omitting diacritics:

amazonica
amazonica

TGN data base:

Amaz$00onica
Amaz$03onica

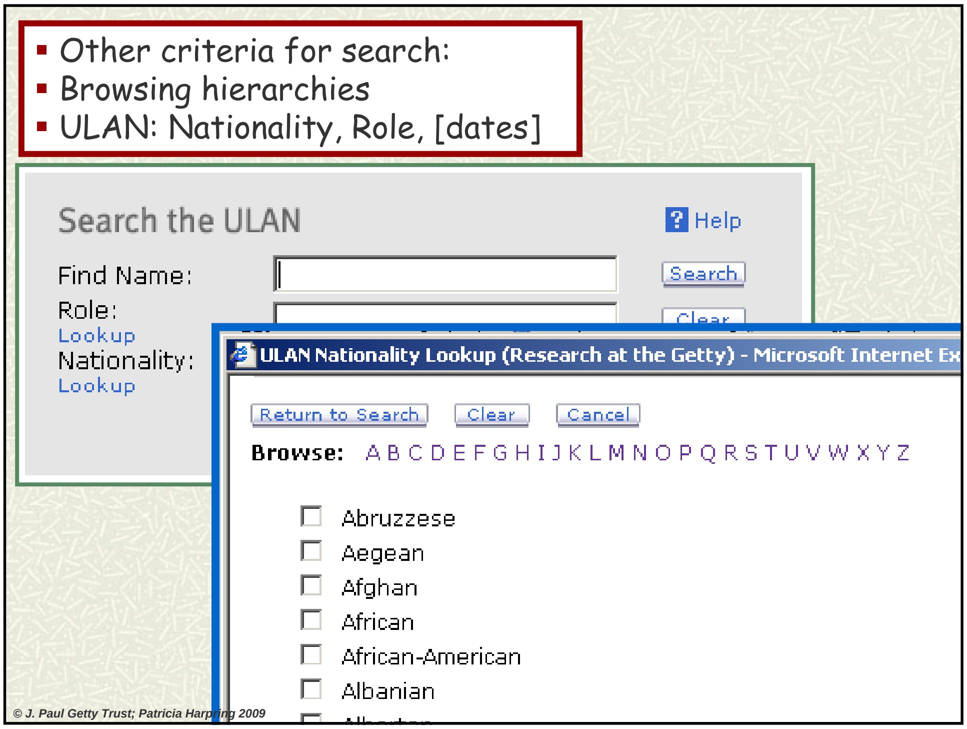
Oriente .... (region)
(World, South America, Ecuador) [7024091]
Región Amazónica
Ecuador Amazónico
Grande Região Norte .... (region)
(World, South America, Brazil) [7023444]
Amazônica Brasileira
Variant Amazônica, Região
Amazon Basin ....(basin)
(World, South America) [7024123]
Hoya Amazónica
Bacia Amazônica



- Other criteria for search:
- Browsing hierarchies
- TGN: Place type, broader context (nation or continent), [coordinates]

Search the TGN
? Help
Find Name:
Search
Place Type:
Lookup
Nation:
Lookup
Pop-up Sea
TGN Place Types (Research at the Getty) - Microsoft Internet Explorer
Return to Search
Clear
Cancel
Browse: A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

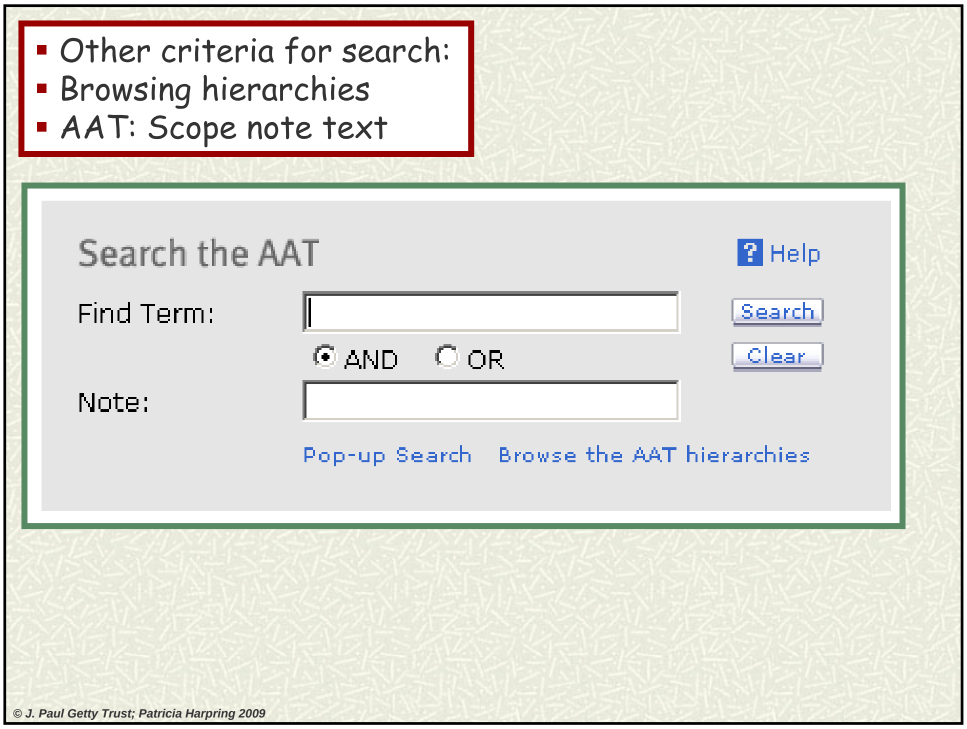
☐ abandoned complex
☐ abandoned dwelling
☐ abbey
☐ Aboriginal reserve
☐ abyssal plain
☐ academy
☐ administrative center
☐ administrative division
☐ administrative region



- Other criteria for search:
- Browsing hierarchies
- ULAN: Nationality, Role, [dates]

Search the ULAN
Help
Find Name:
Search
Role:
Lookup
Nationality:
Lookup
ULAN Nationality Lookup (Research at the Getty) - Microsoft Internet Ex
Return to Search
Clear
Cancel
Browse: A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

☐ Abruzzese
☐ Aegean
☐ Afghan
☐ African
☐ African-American
☐ Albanian



- Other criteria for search:
- Browsing hierarchies
- AAT: Scope note text

Search the AAT
Help
Find Term:
Search
● AND ○ OR
Clear
Note:
Pop-up Search
Browse the AAT hierarchies

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