How to Utilize Getty Vocabularies for Research and Retrieval:

Using Getty Vocabularies in the Field

Patricia Harpring
Brien Garnand
Jonathan Ward

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Presented at Getty Research Institute Share and Connect session, 11 May 2022
History, Purpose, Contributors

Why Vocabularies?
Getty was trailblazer in committing resources to standards and vocabularies for art information in 1980s.

TAU, Thesaurus Artis Universalis; CIHA, Comité international d'histoire de l'art.

 Getty engaged disparate communities (visual resources, museums, libraries, special coll., archives, some scholars) under Getty leadership to reach consensus in 1997.
Over the years, changing with the requirements of core community

Getty partners with international visual arts information community

Multilingual, multicultural, inclusive

Staff: Small editorial staff, working with one person at Getty Digital and consultants Ontotext

Contributions: Rely upon contributors’ having compatible and good quality data; technology
What is the purpose of the Getty Vocabularies?

- To provide terminology to catalog, document, categorize, retrieve, and discover art information
- To capture the richness of variant terms and context, coreferences to other resources
- For some users, to promote consistency in assignment of terms
- For other users, in retrieval and discovery, to utilize variant terms, broader/narrower contexts, rich contextual data
- For others, look-up resources of information
Getty Vocabularies

Unique focus on enabling digital art history, with coreferences to other resources

- **AAT**, Art & Architecture Thesaurus® includes generic terms in several languages, relationships, sources, and scope notes for agents, work types, roles, materials, styles, cultures, and techniques (e.g., amphora, oil paint, olieverf, peintures à l’huile, acetolysis, 玉器, Jadekünste, sintering, orthographic drawings, Olmeca, Rinascimento, Buddhism, watercolors, asa-no-ha-toji)

- **TGN**, Getty Thesaurus of Geographic Names® includes names, relationships, and coordinates, with special focus on historical information for current cities, historical nations, empires, archaeological sites, lost settlements, and physical features as necessary for cataloging art; not GIS but may include coreferences to GIS and maps (e.g., Diospolis, Acalán, Ottoman Empire, Mogao, Ch’ien-fu-tung, Ganges River, गंगा नदी)

- **ULAN**, Union List of Artist Names® includes names, relationships, notes, sources, and biographical information for artists, architects, firms, studios, repositories, patrons, and other individuals and corporate bodies, both named and anonymous; may include coreferences to other resources for same entity (e.g., Mark Rothko, Cai Xiang, 蔡襄, Crevole Master, Riza Abbasi, Altobelli & Molins, Rajaraja Museum)

- **IA**, Getty Iconography Authority™ includes proper names, relationships, and dates for iconographical narratives, religious or fictional characters, historical events, names of literary works and performing art; special focus on non-Western with coreferences to other resources including Iconclass for Western (e.g., Viaggio dei Re Magi, Flood of Deucalion, French Revolution, Olouaipipilele, Xibalba, Nifheim, शिव, Shiva, Bouddha couché)

- **CONA**, Cultural Objects Name Authority® focuses on architecture, multiples, and works depicted in other works; includes titles, artist attribution, creation dates, relationships, and location for works whether extant or destroyed (new contribution: 70,000 works from BWR) (e.g., Chayasomesvara Temple, Hagia Sofia, आयία Σοφία, The Lacemaker, La Dentelliè è, Merlettaia, Lion Throne Room, 神奈川沖浪, Great Wave, Die große Welle)
Getty Vocabularies
Unique focus on enabling digital art history, with coreferences to other resources

• **AAT**, *Art & Architecture Thesaurus®* includes generic terms in several languages, relationships, sources, and scope notes for work types, roles, materials, styles, cultures, and techniques (477,898 terms) (e.g., *amphora, literati (painters), oil paint, olieverf, peintures à l'huile, acetolysis, Jadekünste, sintering, orthographic drawings, Olmeca, Rinascimento, Buddhism, emakimono, watercolors, asa-no-ha-toji*)

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Getty Vocabularies
Unique focus on enabling digital art history, with coreferences to other resources

- **AAT, Art & Architecture Thesaurus®** includes generic terms in several languages, relationships, sources, and scope notes for agents, work types, roles, materials, styles, cultures, and techniques (e.g., *amphora*, *oil paint*, *olieverf*, *peintures à l'huile*, *acetolysis*, *玉器*, *Jadekünste*, *sintering*, *orthographic drawings*, *Olmeca*, *Rinascimento*, *Buddhism*, *watercolors*, *asa-no-ha-toji*)

- **TGN, Getty Thesaurus of Geographic Names®** includes names, relationships, and coordinates, with special focus in development on historical information for current cities, historical nations, empires, archaeological sites, lost settlements, and physical features as necessary for cataloging art; not GIS but may include coreferences to GIS and maps (e.g., *Diospolis*, *Acalán*, *Ottoman Empire*, *Axumite Empire*, *Mogao*, *Ch'ien-fu-tung*, *Ganges River*, *गंगा नदी*)

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- **IA, Getty Iconography Authority™** includes proper names, relationships, and dates for iconographical narratives, religious or fictional characters, historical events, names of literary works and performing art; special focus on non-Western with coreferences to other resources including Iconclass for Western (e.g., *Viaggio dei Re Magi*, *Flood of Deucalion*, *French Revolution*, *Olouaipipilele*, *Xibalba*, *Niflheim*, *ि◌शव*, *Shiva*, *Bouddha couché*)

- **CONA, Cultural Objects Name Authority®** focuses on architecture, multiples, and works depicted in other works; includes titles, artist attribution, creation dates, relationships, and location for works whether extant or destroyed (new contribution: 70,000 works from BWR) (e.g., *Chayasomesvara Temple*, *Hagia Sofia*, *Αγία Σοφία*, *The Lacemaker*, *La Dentellière*, *Merlettaia*, *Lion Throne Room*, *神奈川沖浪*, *Great Wave*, *Die große Welle*)
AAT, Art & Architecture Thesaurus® includes generic terms in several languages, relationships, sources, and scope notes for agents, work types, roles, materials, styles, cultures, and techniques (e.g., amphora, oil paint, olieverf, peintures à l’huile, acetolysis, Jadekünste, sintering, orthographic drawing).

TGN, Getty Thesaurus of Geographic Names® includes names, relationships, and coordinates, with special focus on historical information for current cities, historical nations, empires, archaeological sites, lost settlements, and physical features as necessary for cataloging art; not GIS but may include coreferences to GIS and maps (e.g., Diospolis, Acalán, Ottoman Empire, Mogao, Ch’ien-fu-tung, Ganges River, गंगा नदी).

ULAN, Union List of Artist Names® includes names, relationships, notes, sources, and biographical information for artists, architects, firms, studios, repositories, patrons, other individuals and corporate bodies, both named and anonymous; may include coreferences to other resources (1,470,142 names) (e.g., Mark Rothko, Cai Xiang, 蔡襄, Crevole Master, Riza Abbasi, Rajaraja Museum, I. M. Pei & Partners, Ahuitzotl, William Kentridge, Frida Kahlo).

CONA, Cultural Objects Name Authority® focuses on architecture, multiples, and works depicted in other works; includes titles, artist attribution, creation dates, relationships, and location for works whether extant or destroyed (new contribution: 70,000 works from BWR) (e.g., Chayasomesvara Temple, Hagia Sofia, Αγία Σοφία, The Lacemaker, La Dentellière, Merlettaia, Lion Throne Room, 神奈川沖浪, Great Wave, Die große Welle).

Using Getty Vocabularies in the Field
Getty Vocabularies
Unique focus on enabling digital art history, with coreferences to other resources

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• IA, *Getty Iconography Authority™* includes proper names, relationships, and dates for iconographical narratives, religious or fictional characters, historical events, names of literary works and performing art; special focus on non-Western with coreferences to other resources (7,200 terms) (e.g., Yemonja, Flood of Deucalion, Viaggio dei Re Magi, French Revolution, Olouaipipilele, Xibalba, Niflheim, शिव, Shiva, Bouddha couché, Mithras)

• CONA, *Cultural Objects Name Authority®* focuses on architecture, multiples, and works depicted in other works; includes titles, artist attribution, creation dates, relationships, and location for works whether extant or destroyed (new contribution: 70,000 works from BWR) (e.g., Chayasomesvara Temple, Hagia Sofia, Αγία Σοφία, The Lacemaker, La Dentellière, Merlettaia, Lion Throne Room, 神奈川沖浪, Great Wave, Die große Welle)

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 Getty Vocabularies

Unique focus on enabling digital art history, with coreferences to other resources

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• TGN, Getty Thesaurus of Geographic Names® includes names, relationships, and coordinates, with special focus on historical information for current cities, historical nations, empires, archaeological sites, lost settlements, etc.

• ULAN, Union List of Artist Names® includes names, relationships, notes, sources, and biographical information for artists, architects, firms, studios, repositories, patrons, and other individuals and corporate bodies, both named and anonymous; may include coreferences to other resources for same entity (e.g., Mark Rothko, Cai Xiang,葵襄, Crevole Master, Riza Abbasi, Altobelli & Molins, Rajaraja Museum)

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• CONA, Cultural Objects Name Authority® titles, artist attribution, creation dates, relationships, and location for works; focuses on architecture, multiples, works depicted in other works, lost works, designed but not built (107,493 titles) (e.g., Hagia Sofia, Αγία Σοφία, Adinatha Temple, Flatiron Building, The Lacemaker, Merlettaia, La Dentellière, Lion Throne Room, 神奈川沖浪, Great Wave, Die große Welle)

Using Getty Vocabularies in the Field
The Getty Research Institute

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For information about the Getty vocabularies, see this site.

Search the data, access data releases, how to contribute, editorial guidelines, training materials, news.

Contact us: vocab@getty.edu

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See What’s New
- Multilingual & multicultural
  - AAT: Conservation terms
  - Dutch: 60,600; Spanish: 55,000; Chinese: 25,000; German: 20,500

Have a Question?
- Contact the Vocabulary Program
- Subscribe to GRI News

Using Getty Vocabularies in the Field

Gettysaurus of Geographic Names (TGN)
Thebes or Dispolis? TGN is a structured vocabulary, including names, descriptions, and other metadata for extant and historical cities, empires, archaeological sites, and physical features important to research of art and architecture. TGN may be linked to GIS, maps, and other geographic resources.

The Cultural Objects Name Authority (CONA)
Mona Lisa or La Giocconda? CONA compiles titles, attributions, depicted subjects, and other metadata about works of art, architecture, and other cultural heritage. Included are work types, styles, materials, techniques, and others.

The Art & Architecture Thesaurus (AAT)®
Catherine wheel or rose window? AAT is a structured vocabulary, including terms, descriptions, and other metadata for generic concepts related to art, architecture, conservation, archaeology, and other cultural heritage. Included are work types, styles, materials, techniques, and others.

The Getty Thesaurus of Geographic Names (TGN)®
Thebes or Dispolis? TGN is a structured vocabulary, including names, descriptions, and other metadata for extant and historical cities, empires, archaeological sites, and physical features important to research of art and architecture. TGN may be linked to GIS, maps, and other geographic resources.

The Union List of Artist Names (ULAN)®
Titan or Titiano Vecelli? ULAN is a structured vocabulary, including names, biographies, depicted portraits, and other

Click the heading
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Search the data, access data releases, how to contribute, editorial guidelines, training materials, news.

Contact us: vocab@getty.edu
Getty Vocabularies’ Basic Characteristics
Unique focus on enabling digital art history, with coreferences to other resources

- **Structured vocabularies**: AAT, TGN, ULAN, CONA, IA
- **Relationships**: Thesauri, 3 relationships: equivalence (synonyms), hierarchical (broader-narrower), associative (btwn records, not hierarchical)
- **Standards-compliant**: Comply with standards for controlled vocabularies (ISO, NISO)
- **Authoritative**: Vocabularies cite authoritative sources and contributors; but not authoritarian (may use variant terms)
- **Scope**: Clearly defined scope = visual arts; Getty Vocabularies strive to be ever more multilingual, multicultural, and inclusive
- **Audience**: Traditional audience (art and architecture domains: visual resources, catalogers, museums), plus scholars, and related disciplines (archaeology, conservation)
- **Collaborative**: Grow through contributions from expert user community: institutions, consortia, projects, scholars
- **Release formats**: online search, Relational tables, XML, APIs, Linked Open Data
Links between Vocabularies and rich data structure

Not simple ‘value vocabularies’

Link to outside resources as well

Data is structured and published in standard way to be interlinked and made openly accessible and shareable on the Semantic Web

Digital Art History

 Getty Vocabularies Data Is Linked
Catalog Level: item  Classification: paintings
Work Type: hanging scroll [AAT 300265079]  H: Current
Work Type: folding screen [AAT 300265156]  H: Historical

Title: Scene of Early Spring  Type: repository  Lang.: English
Title: 宋郭熙早春圖 軸  Type: repository  Lang.: Chinese

Creator Display: Guo Xi, Song Dynasty
  Index: Guo Xi (Chinese painter, 1023 - ca.1085 CE) [ULAN 500125758]  Role: artist
Creation Date: 1072 CE; fifth year of Xining, first era of the Shenzong Emperor, Northern Song Dynasty
  Index: Start Date: 1072  End Date: 1072
Materials Display: painted scroll
  Index: color (pigment) [AAT 300264870]
  Index: ink [AAT 300015012]
  Index: silk (silkworm material) [AAT 300014072]
  Index: paper (fiber product) [AAT 300014109]
Dimensions: 158.3 x 108.1 cm

Location: National Palace Museum (Taipei, Taibei, Taiwan) [ULAN 500309392] Type: current [TGN 1000959]

Location: Bianliang (China) [TGN 7001845] Type: original

Repository No.: Meta Data identification: 000053N000000000

Credit Line: National Palace Museum

Inscription: On the right side, the painter wrote: "Early Spring. Painted by Guo Xi in the year of Ren-Zi (49th year of the Chinese sexagenary cycle, referring to 1072 AD)."

General Subject: landscapes

Specific Subjects: Renewal of Life [IA 901002238]
- spring (season) [AAT 300133097]
- shan shui [AAT 300387301]
- trees [AAT 300132410]
- streams [AAT 300008699]
- Pinus (genus) [AAT 300343658]
- travel [AAT 300080094]
- floating perspective [AAT 300438516]

Descriptive Note: Early Spring is here conceived of as a mist and forest filled mountain. The brushwork registers infinite variations of pressure and ink: the silhouette of the rocks and boulders are delineated with a heavy touch, the fog-washed trees with a light one.…


http://vocab.getty.edu/page/cona/700002851
<table>
<thead>
<tr>
<th><strong>Catalog Level:</strong></th>
<th>item</th>
<th><strong>Classification:</strong></th>
<th>paintings</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Work Type:</strong></td>
<td>hanging scroll [AAT 300265079]</td>
<td>H: Current</td>
<td></td>
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<td><strong>Index:</strong> Start Date:</td>
<td>1072</td>
</tr>
<tr>
<td><strong>Materials Display:</strong></td>
<td>painted scroll</td>
<td><strong>Index:</strong> color (pigment) [AAT 300264870]</td>
<td><strong>Index:</strong> ink [AAT 300015012]</td>
</tr>
<tr>
<td><strong>Note:</strong></td>
<td>Scrolls, displayed vertically, that contain text, artwork, or both.</td>
<td></td>
<td></td>
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<tr>
<td><strong>Terms:</strong></td>
<td>hanging scrolls (preferred, English-P)</td>
<td>hanging scroll (English,AD)</td>
<td>vertical scrolls (English)</td>
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Catalog Level: item  Classification: paintings

Work Type: hanging scroll [AAT 300265079] H: Current
Work Type: folding screen [AAT 300265156] H: Historical

Title: Scene of Early Spring  Type: repository  Lang.: English
Title: 宋郭熙早春圖 軸  Type: repository  Lang.: Chinese

Creator Display: Guo Xi, Song Dynasty
Index: Guo Xi (Chinese painter, 1023 - ca.1085 CE) [ULAN 500125758]  Role: artist
Creation Date: 1072 CE; fifth year of Xining, first era of the Shenzong Emperor, Northern Song Dynasty
Index: Start Date: 1072  End Date: 1072

Materials Display: painted scroll
Index: color (pigment) [AAT 300264870]  Index: ink [AAT 300015012]  Index: silk (silkworm material) [AAT 300014072]  Index: paper (fiber product) [AAT 300014109]

Top of the AAT hierarchies
.... Objects Facet
............ Visual and Verbal Communication (hierarchy name)
............ Visual Works (hierarchy name)
............ visual works (works)
................. <visual works by material or technique>
................. paintings (visual works)
................. <paintings by form>
................. scroll paintings
................. handscrolls
................. emakimono
................. [hanging scrolls]
................. [kakemonos]
................. [lizhou]
<table>
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</tr>
<tr>
<td>Index: silk (silkworm material)</td>
<td>[AAT 300014072]</td>
</tr>
<tr>
<td>Index: paper (fiber product)</td>
<td>[AAT 300014109]</td>
</tr>
</tbody>
</table>

**Note:** He served as an ‘Yixue’ (a court painter serving the Emperor) …

**Names:**
- Guo Xi (preferred ,English-P)
- Kuo Hsi (V)
- Kwakki (V)
- Kwak, Hŭi (V)
- zi Shunfu (U)
- 郭熙 (V,Chinese,NA,U)

**Roles:**
- artist (preferred)
- painter
- yixue
- theorist
- landscapist
Catalog Level: item  
Classification: paintings

Work Type: hanging scroll  [AAT 300265079]  H: Current

Work Type: folding screen  [AAT 300265156]  H: Historical

Title: Scene of Early Spring  Type: repository  Lang.: English
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Creator Display: Guo Xi, Song Dynasty

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Role: artist

Creation Date: 1072 CE; fifth year of Xining, first era of the Shenzong Emperor, Northern Song Dynasty

Index: Start Date: 1072  End Date: 1072

Location: National Palace Museum (Taipei, Taibei, Taiwan)  [ULAN 500309392]  Type: current  [TGN 17001845]

Location: Bianliang (China)  [TGN 17001845]  Type: original

Index: silk (silkworm material)  [AAT 300014072]
Index: paper (fiber product)  [AAT 300014109]

TGN ID: 17001845
http://vocab.getty.edu/page/tgn/7001845

Note: Important historical city at junction of routes to east and south...

Names:

Kaifeng (preferred, English-P, C,V)
K'ai-feng (C,O)
Bianliang (H,O)
汴梁 (H, Chinese, O)
Dàliáng (H, O)
大梁 (H, Chinese, O)
Biànzhōu (H, O)
汴州 (H, Chinese, O)
Nánjīng (H,O)
南京 (H, Chinese, O)
Biànjīng(H,O)
Contributors

• By contributing, contributors benefit from having their data incorporated in the greater whole of standard Vocabularies

• For their own use and for sharing with the broader community for linking, research, and discovery
Who are the contributors?
- Getty projects
- 300 institutions, consortia, research projects

How is the data generated?
- Contrib. may research and create original data for the purpose of contribution
  E.g., translations: Spanish, Dutch, Chinese, German, French, Croatian, Portuguese, Japanese
- Or may map data already collected in the course of their own work
  E.g., repositories and documentation projects, research projects
- Contributions = 10s of thousands per year

Contributors to Getty Vocabularies

Netherlands Institute for Art History (RKD)
Academia Sinica of Taiwan
Canadian Heritage Information Network
Avery Architectural & Fine Arts Library
Staatliche Museen zu Berlin Preussischer Kulturbesitz
Ctro. de Documentación de Bienes Patrimoniales, Santiago
Istituto Centrale per il Catalogo e la Documentazione, Rome
Courtauld Institute
Canadian Centre for Architecture (CCA)
Frick Art Reference Library
Indiana University Digital Collections
Harry Ransom Center, University of Texas at Austin
Bunting Visual Resources Library, U. of New Mexico
Pinacoteca do Estado de São Paulo
Rijksmuseum in Amsterdam
Mystic Seaport Museum in Connecticut
Smithsonian National Museum of African Art
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Florentine Codex Initiative (GRI)
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Brien GARNAND
NINO/Leiden University
bgarnand@gmail.com
Mapping Old World Encounters
Using Getty Vocabularies in the Field

Songyung & Huisheng

THE MISSION
OF
SUNG-YUN¹ AND HWEI SÂNG
TO OBTAIN
BUDDHIST BOOKS IN THE WEST² (518 A.D.)
[Translated from the 5th Section of the History of the Temples of Lo-Yang (Houan Fu).]

In the suburb Wen-I, to the north-east of the city of Lo-Yang, was the dwelling of Sung-Yun of Tun-hwang, who, in company with the Bhikshu Hwei Sâng, was sent on an embassy to the western countries by the Empress Dowager (Tai-Hau) of the Great Wei dynasty to obtain Buddhist books. This occurred in the eleventh month of the first year of the period Shên keoi (517–518 A.D.). They procured altogether 170 volumes, all standard works, belonging to the Great Vehicle.

First of all, having repaired to the capital, they proceeded in a westerly direction forty days, and arrived at the Chih Ling (Barren Ridge), which is the western frontier of the country. On this ridge is the fortified outpost of the Wei territory. The Chih-Ling produces no trees or shrubs, and hence its name (Barrens). Here is the common resort (cave) of the rat-bird. These two animals being of different species (chung), but the same genus (lu), live and breed together. The bird is the male, the rat the

¹ Called by Rémiass Sung-Yun tas (Pâ-dâm, cap. vili. n. 11); but the word "tas" is no component part of the name. The passage in the original is this: "In the Wan I suburb (kai) is the house (ssu) of Sun Yun of Tun-hwang."
² Western countries (si yi).
³ Tun-hwang, situated on a branch of the Bulanhai river, vide ante, p. xxiv. a.
⁴ At the fall of the Tsin dynasty (420 A.D.), the northern provinces of China became the possession of a powerful Tatar tribe known as the Wei. A native dynasty (the South-
Mapping Old World Encounters
Using Getty Vocabularies in the Field

( lxxxiv )

THE MISSION
OF
SUNG-YUNI AND HWEI SANG
Ta OBTAIN
BUDDHIST BOOKS IN THE WEST.2 (518 A.D.)
[Translated from the 5th Sec. of the History of the Temples of Lo-Yang (Honan Fu).]
IN the suburb Wen-I, ta the north-east of the city of Lo-Yang, was the dwelling of Sung-Yun of Tun-hwang,5 who, in company with the Bhikshu Hwei Sang, was sent on an embassy to the western countries by the Empress Dowager (Tai-Hau) of the Great Wei dynasty ⁴ to obtain Buddhist books. This occurred in the eleventh month of the first year of the period Shên kwei (517-518 A.D.) They procured altogether 170 volumes, all standard works, belonging to the Great Vehicle.

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OCR > text

Buddhist Books in the West.2 (518 A.D.)
[Translated from the 5th Sec of the History of the Temples of Lo-Yang (Honan Fu).]

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The Mission
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Sung-Yuni and Hwei Sang
To Obtain
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Lo-yang or Honan Fu

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ID: 7001880
Page Link: http://vocab.getty.edu/page/tgn/7001880

Luoyang (inhabited place)

Coordinates:
Lat: 34° 47' 00" N degrees minutes  Lat: 34.7833° decimal degrees
Long: 112° 26' 90" E degrees minutes  Long: 112.4333° decimal degrees

Note: The capital of Eastern Han, Chin, Northern Wei & Sui dynasties; the east capital under the T'ang dynasty; the west capital under the Sung dynasty; industry includes coal mining, food processing & manufacture of agricultural machinery.

Names:
- Luoyang (preferred, C.V)
- Loyang (C.V)
- Lo-yang (C.V)
- Lojiang (C.V)
- Honan (C.V)

Hierarchical Position:
- World (facet)
- Asia (continent) (P)
- ........ Zhongguo (nation) (P)
- ............ Henan (province) (P)
- ................. Luoyang (inhabited place) (P)
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Using Getty Vocabularies in the Field

THE MISSION
OF
SUNG-YUNI AND HWEEI SANG
To OBTAIN
BUDDHIST BOOKS IN THE WEST. 2 (518 A.D.)
[Translatedfrom the 5th SecUon of the History of the Temples of Lo-Yang (Honan Fu).]

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Lo-yang or Honan Fu

THE MISSION OF SONG YUN AND HUISHENG
TO OBTAIN BUDDHIST BOOKS IN THE WEST

Yang Xuanzhi
translated from the 5th Section of the History of the Temples of Lo-yang, 518 CE

[In the suburb Wen-I, to the north-east of the city of Lo-yang, was the dwelling of Sung Yun of Dunhuang, who, in company with the Bhikshu Husheng, was sent on an embassy to the western countries by the Empress Dowager (Tai Hou) of the Great Wei Dynasty to obtain Buddhist books. This occurred in the eleventh month of the first year of the period Shen gyui (518 A.D.). They procured altogether 170 volumes, all standard works, belonging to the Great Vehicle.

First of all, having repaired to the capital, they proceeded in a westerly direction forty days, and arrived at the Chi-ling (barren ridge), which is the western frontier of the country. On this ridge is the fortified outpost of the Wei territory. The Chi-ling produces no trees or shrubs, and hence its name (barren). Here is the common resort (cave) of the rat-bird. These two animals being of different species (zhong), but the same genus (zhui), live and breed together. The bird is the male, the rat the female. From their cohabiting in this manner, the name Rat-Bird Cave is derived.

Luoyang (Lo-yang) or Henan Fu (Ho-nan fu)
Pinyin Wade-Giles
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Using Getty Vocabularies in the Field

Xuanzang

Songyung and Huisheng
Mapping Old World Encounters
Using Getty Vocabularies in the Field

**Old World Encounters gazetteer**

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Old World Encounters gazetteer

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Luohanwang (Lo-an-wang)
see Luohan

Luobu Po
see Luobu

luo-ca (lo-ts’a) or luo-ca-niu (lo-ts’a-niu)
see rakshasa

Luoyang
ALT Lo-yang; Henan fu; Honan fu

KZ Lo-yang; xv, xvii, biixiv, bixvi

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t. 434.7 N W 112° 26’ E (Henan, China)

TGN 7001880
one of the Four Great Capitals of China

see Luoyang

see Luoyang

see Honan

see Luoyang

ALT Lu-shan

MR Liu (or Lu) Mountain: 267

irt

KZ 8.318

see Liyuxu

ALT liu (li-chhi)

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fruit/tree (Litchi chinensis)

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KZ 1.510n.

aja

inhabitants of Kashmir (Kashmiri)

KZ 9.230n.

see Mayan

ALT Ama: 129

22°10’ N 113°33’ E (Aomen Tebie Xingchenggu, China)

TGN 7000519
earliest Portuguese (European) settlement in China

(1557), eponymous temple and bay

ALT Ya-ma-gang, A-ma-kong or Ya-ma-kong

ALT Ya-ma-gang, A-ma-kong or Ya-ma-kong
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### Using Getty Vocabularies in the Field

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THE MISSION OF SONGYUN AND HUI SHENG TO OBTAIN BUDDHIST BOOKS IN THE WEST

Yang Xuanzhi
translated from the 5th Section of the History of the Temples of Luoyang, 518 CE

In the suburb Weni, to the north-east of the city of Luoyang, was the dwelling of Songyun of Dunhuang, who, in company with the bhikshu Hui Sheng, was sent on an embassy to the western countries by the Empress Dowager (Tai Hau) of the Great Wei dynasty 4 to obtain Buddhist books. This occurred in the eleventh month of the first year of the period Shen gui (517-518 CE). They procured altogether 170 volumes, all standard works, belonging to the Great Vehicle.

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Find Name: dunhuang

Place Type:

Nation:

4 results

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

1.  Dunhuang .......... (inhabited place)
    (World, Asia, Zhongguo, Gansu province) [7001969]

2.  Dunhuang .......... (third level subdivision)
    (World, Asia, Zhongguo, Gansu province) [8206083]
    Dunhuang Shi
    Dunhuang Xian

3.  Dunhuang Xian Jiguang Nongchang .......... (farm village)
    (World, Asia, Zhongguo, Gansu province) [8239504]

4.  Shazhou .......... (inhabited place)
    (World, Asia, Zhongguo, Gansu province) [8222821]
    Dunhuang Shi
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Using Getty Vocabularies in the Field

Dunhuang (inhabited place)

Coordinates:
Lat: 40 10 00 N degrees minutes Lat: 40.1667 decimal degrees
Long: 094 41 00 E degrees minutes Long: 94.6833 decimal degrees

Note: Oasis town and important Buddhist site and from the 4th to the 14th centuries BCE, used as a prayer place for travelers along the Silk Road. The Mogao caves are located on the outskirts of the town; they contain some 45,000 square meters of murals, and 415 painted clay figures.

Names:
- Dunhuang (preferred C.V.Chinese (transliterated Pinyin without tones): U)
- Tunhwang (C.V.Chinese (transliterated): U)
- Tun-wang (C.V.Chinese (transliterated): U)
- Tun-huang (C.V.Chinese (transliterated): U)
- 敦煌市 (C.V.Chinese: U)

Record Type: administrative

Vernacular Display | English Display
THE MISSION
OF
SUNG-YUNI AND HWEI SANG
Ta OBTAIN
BUDDHIST BOOKS IN THE WEST (518 A.D.)
[Translated from the 5th Section of the History of the Temples of Lu-Yang (Honan Fu).]
IN the suburb Wen-l, ta the north-east of the city of Lo-Yang, was the dwelling of Sung-Yun of Tun-hwang,5 who, in company with the Bhikshu Hwei Sang, was sent on an embassy to the western countries by the Empress Dowager (Tai-Hau) of the Great Wei dynasty 4 to obtain Buddhist books. This occurred in the eleventh month of the first year of the period Shên ku-i (517-518 A.D.). They procured altogether 170 volumes, aH standard works, belonging to the Great Vehicle.
First of all, having repaired to the capital, they proceeded in a westerly direction forty days, and arrived at the Ohh Ling (Barren Ridge), which is the western frontier of the country. On this ridge is the fortified outpost of the Wei territory. The OMiit-Ling produces no trees or shrubs, and hence its name (Barren). Here is the common resort (cave) of the rat-bird. These two animals being of different species (chung), but the same genus (111.,”), live and breed together. The bird is the male, the rat the 1 called by Rzmusat Sung-Yun tse 3 Tnn-hwang, situated on a branch (Fa-Man, cap. vil. n. 11; but the word of the Bulunghir river, vide ante, “t8e” 18 no component part of the p. xxiv. n. name. The passage in the original 4 At the faU of the Tsin dynasty is this: “In the Van-I suburb (li) (420 A.D. !”“ the northern provinces of is the house (tse) of Sun Yun of China became the possession of a Tun-hwang. ” powerful Tartar tribe known as the 2 Western countries (si yu). Wei. A native dynasty (the South

---

**Tun-huang**

**Dunhuang (Tun-huang)**

**Pinyin**

**Wade-Giles**

---

THE MISSION OF SONGYUN AND HUI SHENG TO OBTAIN BUDDHIST BOOKS IN THE WEST

Yang Xuanzhi

translated from the 5th Section of the History of the Temples of Luoyang, 518 CE
Mapping Old World Encounters
Using Getty Vocabularies in the Field

Mogao Caves

Dunhuang

China
## Mapping Old World Encounters

### Using Getty Vocabularies in the Field

#### Old World Encounters gazetteer

<table>
<thead>
<tr>
<th>Location</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dukula</td>
<td>cf. Trividya, father of Samaka</td>
</tr>
<tr>
<td>Dunhuang</td>
<td>Alt. Tun-huang, on the southern edge of the Taklamakan Desert, near the Bulongji River; Mogao Caves preserve Buddhist documents, clay figurines and murals</td>
</tr>
<tr>
<td>Dura</td>
<td>in Hinduism, warrior deity; consort of Shiva (Siva)</td>
</tr>
<tr>
<td>Dutang</td>
<td>provincial official</td>
</tr>
<tr>
<td>Dvarapati</td>
<td>Dvarapati, Duolubodi (To-lo-po-li), Thandwe, Sandowe or Sandoway</td>
</tr>
<tr>
<td>Thandwe</td>
<td>Key port of Rakhine state</td>
</tr>
<tr>
<td>Sandowe or Sandoway</td>
<td>see Dvarapati</td>
</tr>
<tr>
<td>To-lo-po-li or To-lo-po-li</td>
<td>see Dvarapati</td>
</tr>
<tr>
<td>Duolubodi</td>
<td>Chinese 15, in China: 31, 32</td>
</tr>
<tr>
<td>Edict against Missionaries</td>
<td>210</td>
</tr>
<tr>
<td>Egriar</td>
<td>509</td>
</tr>
<tr>
<td>Eight Dragons,</td>
<td>somewhere between Kashgar and Aksu (Xinjiang, China)</td>
</tr>
<tr>
<td>Eight Enfranchisements</td>
<td>the talented sons of Sun</td>
</tr>
<tr>
<td>Place Type</td>
<td>Variant 1</td>
</tr>
<tr>
<td>------------------</td>
<td>------------</td>
</tr>
<tr>
<td>inhabited place</td>
<td>Tun-huang</td>
</tr>
<tr>
<td>Preferred - Source</td>
<td></td>
</tr>
<tr>
<td>Preferred - Language</td>
<td></td>
</tr>
</tbody>
</table>

**PREFERRED**

- Dunhuang

**TGN ID**

- 7001969

**latitude N - longitude E**

- 40°10'N
- 094°41'E

**decimal N - decimal E**

- 40.166667
- 94.683333

**notes**

- Silk Road oasis town at the southern edge of the Taklimakan Desert, near the Bulongji River; nearby Mogao Caves contain documents, clay figurines and murals

**Preferred - Language**

- Chinese, transliterated (Pinyin)

**Preferred - Source**

- Chinese, transliterated (Wade-Giles)
- Chinese, transliterated (Beal)
- Xuanzang
### Old World Encounters Gazetteer

**Dukula**
- **ALT**: Dukula
- **ALT**: L111n
- father of Samaka

**Dunhuang**
- **ALT**: Tun-huang
- **ALT**: Tun-hwang: l.12, 13, 15, 24n., 25n., 54
- **ALT**: TGN 7001969

Silk Road oasis town at the southern edge of the Taklimakan Desert, near the Bulongji River; Mogao Caves there preserve Buddhist documents, clay figurines and murals

**Durga**
- **ALT**: Durgā or Devi
- **ALT**: L257, 300

in Hinduism, warrior deity; consort of Shiva (Siva)

**Dutang**
- **ALT**: ts'ang
- **ALT**: tutam: 52

provincial official

**Dvarapati**
- **ALT**: Dvarapati, Duoluobodi (To-lo-po-Ś), Thandwe, Sandowe or Sandoway
- **ALT**: To-lo-po-Ś: II.200
- **ALT**: TGN 210

Key port of Rakhine state

See also:
- see Dvarapati
- see Dvarapati
- see Dvarapati
- see Dvarapati

**Un-shaded**
- **CC0000 red** = pinyin
- **663399 (purple)** = Wade-Giles
- **339900 green** = Arabic, Persian > IJMES / DMG
- **FF9900 orange** = Sanskrit > IAST
- **666666 grey** = linked in text = replaced degree “ - prime ’ - double prime ”

### Eight Dragons, Eight Enfranchisements

Silk Road oasis town at the edge of the Taklimakan Desert, somewhere between Kashgar and Aksu (Xinjiang, China)

- **ALT**: L4
- **ALT**: TGN 509

The talented sons of Sun
Mapping Old World Encounters
Using Getty Vocabularies in the Field

Alexandria Opiana or Ópianē see Ghazni
Ghazna see Ghazni
Ho-si-na see Ghazni
Hesaluo or He-sa-luo see Ghazni
Ghazni

ALT Alexandria Opiana or Ópianē (Ωπιανῆ), Hesaluo (He-sa-lo)

X: Ho-si-na: Ἡσαλώ

AB Ghazna: i.22, 117, 206, 317
B Ghazna: 179-180, 185, 360 (III.589, 728)
33°33’N • 68°25’E (Afghanistan)
TGN 7002256
Ghaznavid dynasty capital of Sebuktegin (977-997 CE) and Mahmud (998-1030 CE)

Hesaluo
Pinyin – post 1950s (cf. Beijing, Guangzhou)

He-sa-lo
Wade-Giles – 1850s-1950s (cf. Pe-king, Kwang-chow)

Ho-si-na
Samuel Beal (translator)
Mapping Old World Encounters
Using Getty Vocabularies in the Field

Alexandria Opiana or Ḍīpiyā
Ghazna
Ho-si-na
Hesaluo or He-sa-luo
Ghazni

see Ghazni
see Ghazni
see Ghazni
see Ghazni
see Ghazni

ALT Alexandria Opiana or Ḍīpiyā (Ὅπιοι), Hesaluo (He-sa-lo)

XZ Ho-si-na: ii.283

AB Ghazna: i.22, 117, 206, 317
IB Ghazna: 179-180, 185, 360 (III.589, 728)

33°33' N • 068°25' E (Afghanistan)
TGN 7002256

Ghaznavid dynasty capital of Sebuktegin (977-997 CE) and
Mahmud (998-1030 CE)

Ghazna
IJMES – International Journals of Middles East Studies
Gazna
DMG – Deutsche Morgenlandische Gesellschaft

al-Biruni
Mapping Old World Encounters

Using Getty Vocabularies in the Field

Alexandria Opiana or Ὀπιανῆ
Ghazna
Ho-si-na
Hesaluo or He-sa-luo
Ghazni

see Ghazni
see Ghazni
see Ghazni
see Ghazni
see Ghazni

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Gazna
DMG – Deutsche Morgenländische Gesellschaft
Getty Vocabularies:
Users and Usage

Jonathan Ward
Sr Editor, Getty Vocabulary Program
Getty Research Institute
Who are we, and what do we do?

• Three editors and a managing editor

• Close connection with Getty Digital and software team

• Content editing of contributions; data analysis; outreach

• Types of contributions:
  • Large (5,000+ records from institutions – RKD or NGA)
  • Medium (100+ records; institutional yet often subject or language specific – Dutch and Chinese AAT)
  • Small (one-off submissions from our webform)
The Getty Vocabularies:
Discover, link, access, retrieve, research, catalog, index

Who uses our information? Where does the data go?

- Getty Vocabularies search engine – hundreds of thousands of searches per year
  - Resource for catalogers, scholars, and researchers

- Collection Management Systems – both in-house, and in software products

- Into the cloud as Linked Open Data, linked via museum data

- Into online federated authority files

- Reproduced online by museums

- Incorporated into scholarly databases
Europeana classifications linked to AAT (http://www.europeana.eu)

The Milkmaid | Vermeer, Johannes

A maidservant pours milk, entirely absorbed in her work. Except for the stream of milk, everything else is still. Vermeer took this simple everyday activity and made it the subject of an impressive painting – the woman stands like a statue in the brightly lit room. Vermeer also had an eye for how light by means of hundreds of colourful dots plays over the surface of objects.

People
Creator: Vermeer, Johannes

Classifications
Type: easel paintings (paintings by form)
Subject: kitchen-maid, kitchen servant

Properties
Size: height 45.5 CM, width 41 CM
Format: canvas (textile material)
Language: nl
Yale Center For British Art

Search Details

Creator: Geoffrey Tibble, 1909–1952, British
Title: Fitzroy Street (William Coldstream and Graham Bell in an Interior)
Date: ca. 1925
Medium: Oil on canvas
Dimensions: 27 x 30 inches (68.6 x 81.3 cm)
Credit Line: Yale Center for British Art, Gift of Joseph F. McCrindle, Yale LILB, 1948
Accession: 1948.34.2
Number: 397
Collection: Paintings and Sculpture
Link to This Record: http://collections.britishart.yale.edu/uuid/record/ad699145
Subject: artist | drawing room | family | fireplace | genre | subject | hat | hearth | interior | lamp | men | mirror | molding | painter | paintings | reading | room | screen | visitor | woman
Terms: England | Europe | Greater London | London | United Kingdom
Represented:
Citation: Show | Text or SMS | Email
Export: RDF | XML

Yale Center For British Art

Collections | Exhibitions | Calendar | Research | Education | Architecture | Visit
Home → Collections → Search → Fitzroy Street (William...
Georges Braque

French, 1882–1963

Introduction
Braque played a major role in the development of what became known as Cubism. Braque’s work is intertwined with that of his collaborator Pablo Picasso, especially from 1908 to 1912, particularly regarding their respective contributions to the development of the collage. Picasso’s fame and notoriety often overshadowed the quiet life of Braque.

Comment on works: still life, Portraits

Nationality
French
RKD, Netherlands
AAT links for Object Category and Support/Medium

Object category: painting
Support/medium: canvas, oil paint
Shape/dimensions: rectangle (portrait format) 114 x 100 cm
Current attribution: Anthony van Dyck
Date: c. 1628-1629 (1628 - 1629)

Subject:
Title: De bewening van Christus
English title: The Lamentation of Christ
Keywords: New Testament and Apocrypha, saint
Iconclass code: 73D72121

 Christ's body supported by Mary, others present
11HH(MARY MAGDALENE)
the penitent harlot Mary Magdalene; possible attributes: book (or scroll), crown, crown of thorns, crucifix, jar of ointment, mirror, musical instrument, palm-branch, rosary, scourge
11H(JOHN)
RKD, Netherlands
Direct AAT data, plus link from clicking on term
Landscape with Sunset Reflecting in Sky / Albert Bierstadt

You may be interested in...

Ulán data

Share & Connect, May 11, 2022
### Online Collections

**Paintings**

#### Details

<table>
<thead>
<tr>
<th>Term Type</th>
<th>Preferred Term</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art &amp; Architecture Thesaurus</td>
<td>paintings</td>
<td>Unique works in which images are formed primarily by the direct application of pigments suspended in oil, water, egg yolk, melted wax, or other liquid, arranged in masses of color, onto a generally two-dimensional surface.</td>
</tr>
</tbody>
</table>

#### Variations

| painting | paintings | peintures | peinture |

#### Related Artworks

1. **Untitled, from the series “The 1964 David Smith (American, enamel) on canvas**
   - 2016.34.1

2. **Catlow Valley 1908 Chase Hassam (American, oil on canvas**
   - 2016.36.1

3. **Mary Larkin’s Bottom 2013 Helen O’Toole (Irish, born oil on canvas**
   - 2015.40.1

4. **Silent City 2002/2014 Willem Voorsre (American, neon, wood, and acrylic and latex paint**
   - 2016.42.1

**AAT & ULAN data populate records**

---

**Share & Connect, May 11, 2022**
Dallas Art Museum, Texas

AAT terms as searchable keywords

- Gutai
- Gutai Art Association
- Japan (nation)
- Kazuo Shiraga
- Process art
- painting (visual works)
Taiaha (long fighting staff)

OBJECT | PART OF TAONGA MĀORI COLLECTION

Te Papa Museum, New Zealand
AAT: Classification & Materials
(including Maori terms)

Item details

Name: Taiaha (long fighting staff)
Production: 
Classification:
edged weapons, Taiaha
Materials:
wood, paua shell
Dimensions:
Registration Number: ME024119
Credit line: Gift of Jan Grainger, 2013
Explore open access historical place data

Upload and extend your data with geometry and identifiers from Wikidata and Getty TGN

Contribute your uploaded data to WHG by linking it to other places in our index

Teach with WHG-focused lesson plans

Create and share your custom collection of datasets published in WHG

Integrate WHG data using our application programming interface

Dutch History
The 'Dutch History' collection will offer users a central point of entry for all Dutch historical place names and other place names related to Dutch history—in the broadest geographical sense. As the collection grows, it will also function as a public resource for the wide range of projects on Dutch history that carry spatial components. The collection is being compiled on an ongoing basis by the KNAW Humanities Cluster from new and existing datasets created by a variety of different institutions, projects and individual researchers.

D-PLACE
D-PLACE (the Database of Places, Language, Culture, and Environment) contains cultural, linguistic, environmental and geographic information for over 1,500 human societies. A society in D-PLACE represents a group of people in a particular localit.
<table>
<thead>
<tr>
<th>Record title</th>
<th>Ani</th>
</tr>
</thead>
<tbody>
<tr>
<td>WHG Identifier</td>
<td>4950808 (Linked Places record)</td>
</tr>
<tr>
<td>Source identifier</td>
<td>7002350 source record</td>
</tr>
<tr>
<td>Variants</td>
<td>Ani</td>
</tr>
<tr>
<td>Earliest/Latest</td>
<td>archaeological site</td>
</tr>
<tr>
<td>Type(s)</td>
<td>Linked records in WHG: none yet</td>
</tr>
<tr>
<td>Locations to</td>
<td>copy coordinates to clipboard</td>
</tr>
</tbody>
</table>

**Dataset details**

- **Title:** Getty TGN (partial)
- **Creator(s):** Getty Research Institute
- **Last modified:** 18 Oct 2019
AAT used as “Hub” vocabulary in ARIADNE cross search for archaeological resources
(http://ariadne-portal.dcu.gr/)

ID: 300024663

Record Type: concept

awls (piercing tools, equipment by process, ... Furnishings and Equipment (hierarchy name))

Note: Sharp metal points

Terms:
awls (preferred, C, U, English, AD,)
awl (C, U, English, AD,)
priem (C, U, Dutch, AD,)
priem (C, U, Dutch, AD,)
ålènes (C, U, French,)
ålènes (C, U, French,)
ålènes (C, U, French,)
ålènes (C, U, French,)
ålènes (C, U, French,)
ålènes (C, U, French,)
poinçons (awls) (C, U,)
poinçons (awls) (C, U,)

Welcome

Explore the digital resources and services that ARIADNE has brought to learning and teaching.

Browse the Catalog

An archaeological evaluation at the Underfleet, Seaton, Devon

Type: Unpublished

Original Subject: NEOLITHIC FLINT TOOLS BLADES BURINS, AWLS
VIAF: The Virtual International Authority File

The VIAF® (Virtual International Authority File) combines multiple name authority files into a single OCLC-hosted name authority service. The goal of the service is to lower the cost and increase the utility of library authority files by matching and linking widely-used authority files and making that information available on the Web. Learn more.

Vatican Library
Swiss National Library
Library and Archives Canada
Union List of Artist Names [Getty Research Institute]
NUKAT Center of Warsaw University Library
National Széchényi Library, Hungary
RERO - Library Network of Western Switzerland
Sudoc [ABES], France
Flemish Public Libraries
John Singleton Copley

From Wikipedia, the free encyclopedia

For other people named John Copley, see John Copley (disambiguation).

John Singleton Copley RA (1738[1] – September 9, 1815) was an Anglo-American painter, active in both colonial America and England. He was probably born in Boston, Massachusetts, to Richard and Mary Singleton Copley, both Anglo-Irish. He is famous for his portrait paintings of wealthy and influential figures in colonial New England, depicting in particular middle-class subjects. His portraits were innovative in their tendency to depict artifacts relating to these individuals' lives.
Linked Art Data Model

Model Fundamentals

Following the existing standards and best practices of the community, our starting point consists of:

- **CIDOC-CRM** as the core conceptual model, giving an event-based paradigm.
  - We use a streamlined profile of CIDOC-CRM to ensure consistency and comprehension.
  - We also use the RDF implementation of CIDOC-CRM, given our choice of web and linked data as an integration platform.
- The **Getty Vocabularies** as core sources of identity for domain-specific terminology
  - Core terminology is part of the application profile documentation directly, when interoperability between systems relies on the selection.
  - Other best practices are discussed in the **vocabularies best practice** section.
- The concrete expression of the profile and access to data is fully covered in the **API** documentation.
  - The core serialization format is **JSON-LD 1.1**
  - The access mechanism is designed to be as simple as possible to publish and consume, following basic REST and web patterns.
AAT in Taiwan – translation & implementation by Academia Sinica
Fue desarrollado por el Getty Research Institute (GRI), un programa operativo de The J. Paul Getty Trust, y traducido en español por el Centro de Documentación de Bienes Patrimoniales.

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The Getty Vocabularies: Discover, link, access, retrieve, research, catalog, index

Updates and changes

- New contributions: RKD (225,000+ artist names); Built Works Registry in CONA (70K works); entire nation data from NGA into TGN; Florentine Codex project at the GRI; East German artists from GRI

- Translations and multilinguality

- OpenRefine reconciliation service improvements

- ALMA Refine app which accesses the Vocabularies

- Biased terminology analysis
Thank you.

Jonathan Ward
Sr Editor, Getty Vocabulary Program
Getty Research Institute