

Unexpected Opportunities Illuminated by LUX

<https://lux.collections.yale.edu/>

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Yale



What is LUX?

A ground-breaking discovery
and research platform,
providing unified digital
access to the collections of
our museums, libraries and
archives

Launch Date: June 1st 2023

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17,012,680
Objects



4,910,154
Concepts



5,677,302
People & Organizations



38,208
Events



586,814
Places



13,122,257
Works

Features of LUX

An intuitive and highly functional product

- ... Built on Linked Open Usable Data
- ... Reconciled and Enriched from
- ... Automatically and at scale
- ... With text search, facets
- ... And graph queries




1. Beyond LUX

Yale University Art Gallery contracted to rebuild their collection site using their data that drives LUX.

Yale Peabody Museum is beginning work on using LUX data and infrastructure to rebuild their collection site.

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The Declaration of Independence, July 4, 1776
Artist: John Trumbull (American, 1756–1843)

1786–1820
[American Paintings and Sculpture](#)

ON VIEW, 2ND FLOOR, AMERICAN ART BEFORE 1900

Greatly impressed with John Trumbull's plans to execute a series of American history paintings, Thomas Jefferson invited the artist to stay with him in Paris. There, Trumbull wrote, "I began the composition of the *Declaration of Independence*, with the assistance of [Jefferson's] information and advice." Trumbull represents the moment when the committee appointed to draw up the document submitted Jefferson's draft for the



Torosaurus latus Marsh, 1891

Catalog Number:	YPM VP 001830
Department:	Vertebrate Paleontology
Scientific Name:	<i>Torosaurus latus</i> Marsh, 1891, HOLOTYPE
Taxonomy:	Animalia; Chordata; Vertebrata; Amniota; Reptilia; Diapsida; Archosauria; Ornithischia; Ceratopsia; Ceratopsidae
Identification:	Det. by: Othniel C. Marsh, 1891
Common Name:	dinosaurs; Reptiles; vertebrates; chordates; animals

Similar Items

- Torosaurus gladius*; YPM VP 001831 (HOLOTYPE); North America; USA; Wyoming; Niobrara County; John B. Hatcher, Yale Hatcher 1891 Cretaceous Expedition; 1891
- Torosaurus latus*; YPM VP 057489; North America; USA; Montana
- Torosaurus latus*; YPM VP 065865
- Gypsonictops hypoconus*; YPM VP 053315; North America; USA; Wyoming; Niobrara County;

2. Beyond Cultural Heritage

Can we use Knowledge Graphs elsewhere at Yale?

- Could LUX discover relevant research datasets?
- Benefits of describing core University functions?
- Use the data to build AI / LLM services
 - ... that don't suffer from hallucinations?

3. Beyond Yale ... to You?

- Interest from 50+ organizations from around the world
- Currently cleaning code to make available as open source
- Proposed a 12 month project to IMLS to discuss:
 - Governance of the model and products
 - Collaborative solutions for technical barriers to entry
- If funded, project will pay travel for 1 ½ day meeting following CNI Fall Forum 2024

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← Please get in touch if interested!