

# Heritage Connector Hacks

Results from the hack day with Cogapp, November 2021

# Planning

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Knowledge graph with SPARQL endpoint

Connections API

Similarity API

NEW! Distance API

NEW! 3D via UMAP

# Shortlist

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Radar interface

Six-degrees of separation

Resource-collecting game

Soundscape audio-only interface

Aggregating data by topic

Exploring connections with vapour-trail



# Demos

# Good Neighbours



HC Neighbours API

Twitter API

Science Museum API

V&A API

Flask, React

<https://blog.cogapp.com/good-neighbours-2525e59a0b82>

Orrery or planetary model, c. 1712, made by John Rowley in London for Charles Boyle, the fourth Earl of Orrery in Ireland; it was given the title "orrery" after its owner @sciencemuseum <https://t.co/WTho4n1D3E> <https://t.co/LSkZumU7Mx>

#### Your history

Orrery made for the Earl of Orrery (demonstration models; orreries; planetaria (models))

#### Neighbours

Next

Near

Far



# Map interface



HC Knowledge Graph

Google Maps

OpenRefine

[https://github.com/TheScienceMuseum/heritage-connector-demos/blob/main/5\\_map\\_visualisation/README.md](https://github.com/TheScienceMuseum/heritage-connector-demos/blob/main/5_map_visualisation/README.md)





# Link Race



HC n-triples data dump

Science Museum API

V&A API

networkx

React

<https://blog.cogapp.com/heritage-connector-link-race-904770982938>



Fan belonging to actress Ethel Griffies



Ethel Griffies



United Kingdom



?



?



Body of Mather & Platt electric fire pump

Progress: 40%



[Find out more...](#)



### Better OUT than IN!

Poster promoting the non-party political campaigning organization Campaign for an Independent Britain. Great Britain, 1994.

[Find out more...](#)

[Step here](#)



### Max Bygraves

Singer, comedian, actor (1922-2012)

[Find out more...](#)

[Step here](#)



### St. Mary's Church, Walthamstow

church in Walthamstow, London

[Find out more...](#)

[Step here](#)



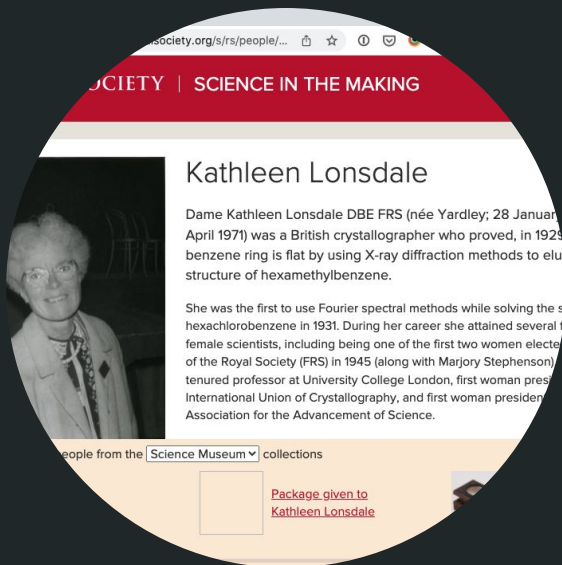
### Walworth upright fire sprinkler head

Walworth upright fire sprinkler head collected by Mather & Platt, Manchester. Part of sprinkler collection showing the development of fire sprinkler heads from 1885 when the company acquired the UK rights for the Grinnell sprinkler patent.

[Find out more...](#)

[Step here](#)

# The Augmentanator



HC Connections API

Wikipedia API

Science Museum API

V&A API

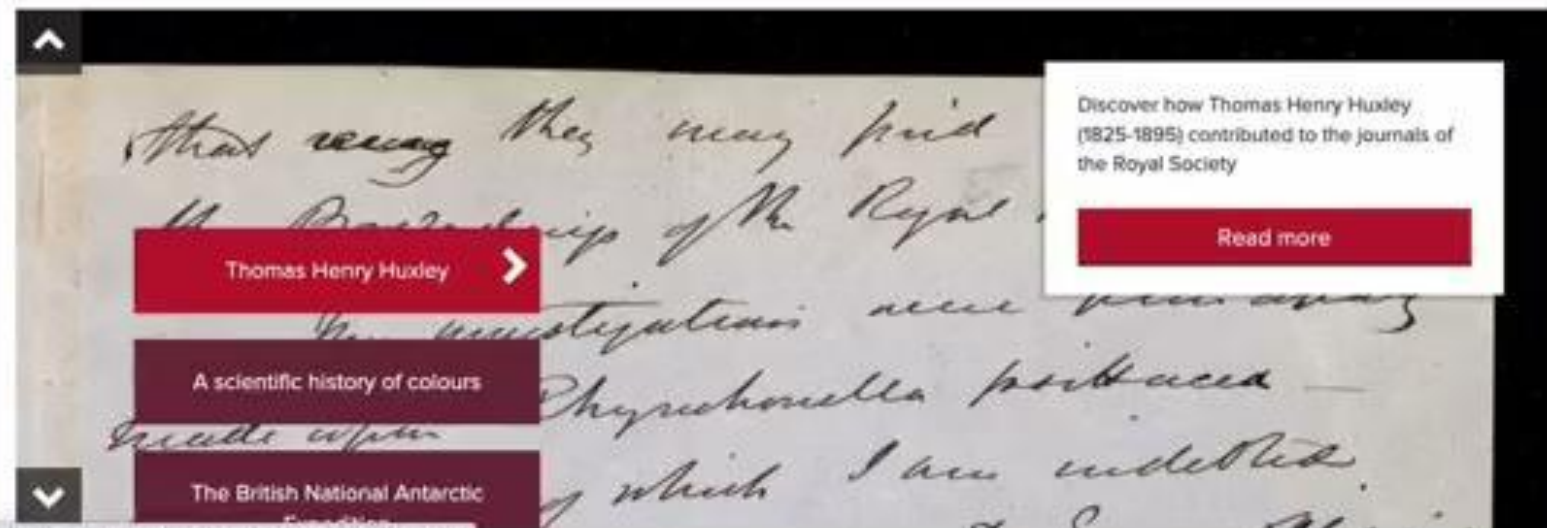
React

<https://blog.cogapp.com/augmenting-from-the-outside-7b072daa0c29>

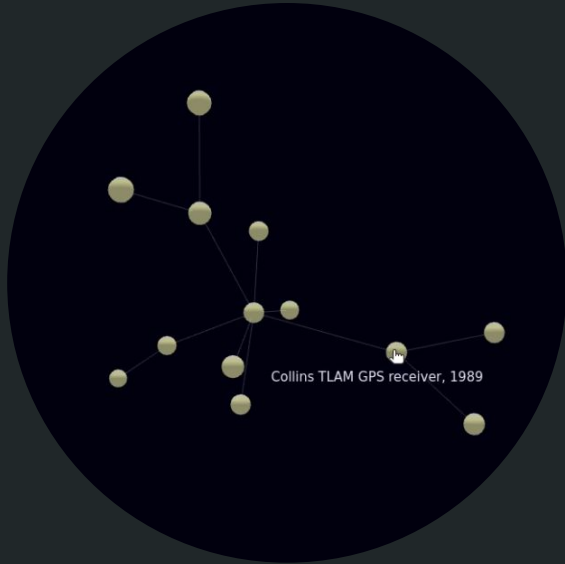


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## Exhibits



# RHiZOME



HC Connections API

Science Museum API

Wikidata API

React

force-graph

D3.js

<https://blog.cogapp.com/rhizome-152111320821>



# Timeline



HC Knowledge Graph

Wikidata API

Timeline JS





Search objects, people, categories, object numbers etc.



## Artificial mercury horizon with case.

MADE: 1895-1900 in London

MAKER: Cary and Porter Limited



# 3D Space Curator



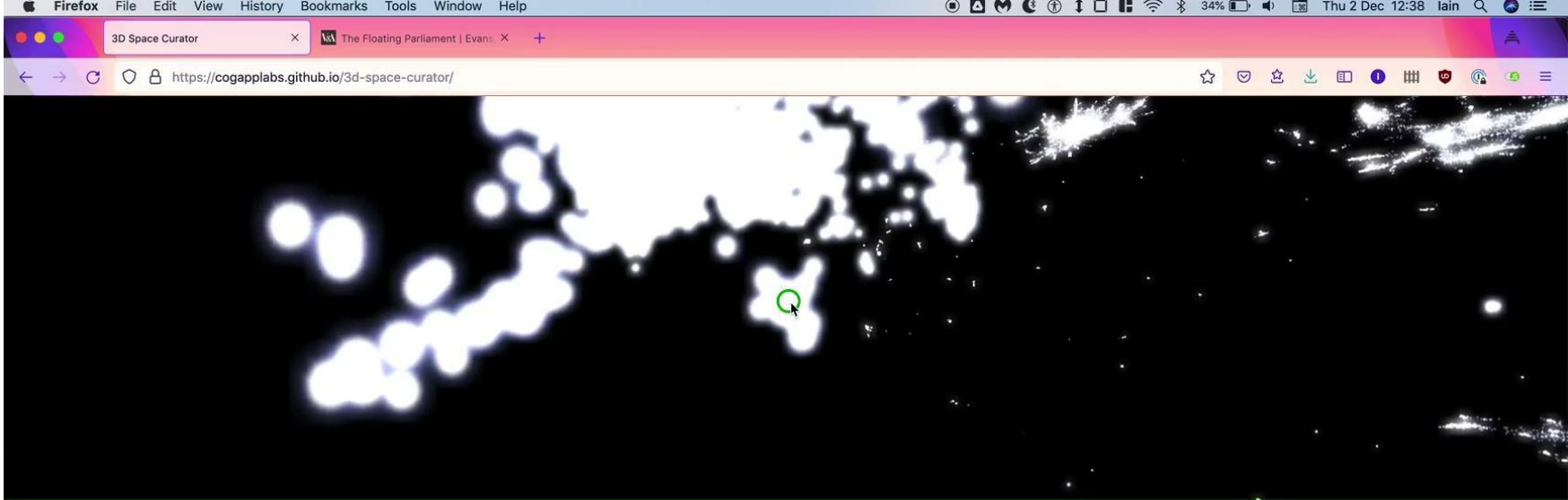
HC Similarity data dump (3 dimensions)

Science Museum API

V&A API

three.js

<https://blog.cogapp.com/3d-space-curator-236849187f6>



## Bookmarks

.The Floating Parliament

## Selected object

Miss Senvard



## Controls

**W** **A** **S** **D** Move

**Click** Enter free look mode

**Esc** Exit free look mode

**Mouse** Look

**B** Bookmark selected object

**H** Hyperspace jump

Sector: (0,0,0)  
Objects: 54,882



# Thank you

Further information at <https://blog.cogapp.com/tagged/coghack>

Tristan Roddis

@tristan\_roddis

tristanr@cogapp.com

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cogapp

building a better online world

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