

ROCK REPO INDEX

By THE UNDERGROUND DIVISION (Helen Pritchard, Femke Snelting, Jara rocha) + info: <http://ddivision.xyz/>

1. UNTHOUGHT INFRASTRUCTURE

unthinking-rethinking infrastructure of social/geo/myth/bio, unthought unknowns, broken linear temporalities

Texts

Alexis Pauline Gumbs, M Archive: after the End of the World. Duke University Press, 2018.

*we broke the earth
now we fall through time*

Rocks and containers

Coal

- Format: glTF 2.0
- Generator: Sketchfab-6.84.0
- Author: EDUROCK AALTO (https://sketchfab.com/EDUROCK_AALTO)
- License: CC-BY-4.0 (<http://creativecommons.org/licenses/by/4.0/>)
- Source: <https://sketchfab.com/3d-models/coal-c8d2447cc0ed4539aa13dc633596f387>
- Stats: 3 draw calls, 0 animations, 1 materials, 168286 vertices, 200000 triangles
- Extensions: KHR_materials_unlit

Crystal stone

- Format: glTF 2.0
- Generator: Sketchfab-5.40.0
- Author: GenEugene (<https://sketchfab.com/geneugene>)
- License: CC-BY-NC-4.0 (<http://creativecommons.org/licenses/by-nc/4.0/>)
- Source: <https://sketchfab.com/3d-models/crystal-stone-1ad829e2f464446fa4945562ab611255>
- Stats: 2 draw calls, 0 animations, 2 materials, 270 vertices, 263 triangles
- Extensions: None

Azurite

- Format: glTF 2.0
- Generator: Sketchfab-6.84.0
- Author: EDUROCK AALTO (https://sketchfab.com/EDUROCK_AALTO)
- License: CC-BY-4.0 (<http://creativecommons.org/licenses/by/4.0/>)
- Source: <https://sketchfab.com/3d-models/azurite-0d8c11031eca45a6862616723d36b014>
- Stats: 3 draw calls, 0 animations, 1 materials, 147177 vertices, 199999 triangles
- Extensions: KHR_materials_unlit

Background

Undo, (Jean-Gabriel Pierrot, 2004): <https://www.youtube.com/watch?v=rhS26MV9SaM> (min 1.21 to 1.26)

2. PROCEDURAL WORLDMAKING

other geometries, (after)math, computationalism, flatland, subterranean bugs

Texts

The Underground Division (Femke Snelting, Helen Pritchard, Jara Rocha), We Have Always Been Geohackers. (forthcoming)

We have always been geohackers

Rocks and containers

Valentine Cave Lava Tube 5cm

- Format: glTF 2.0
- Generator: Sketchfab-3.18.6
- Author: pwhelley (<https://sketchfab.com/pwhelley>)
- License: CC-BY-4.0 (<http://creativecommons.org/licenses/by/4.0/>)
- Source: <https://sketchfab.com/models/8e8cd77139b54f3d8912c00881af7214>
- Stats: 113 draw calls, 0 animations, 1 materials, 1125350 vertices, 0 triangles
- Extensions: KHR_materials_unlit

Background

A picture of a page being held, containing a firstly translated to Spanish extense fragment of Mundus subterraneus of Athanasius Kircher (1665) and an illustration of a volcano. Mundo Subterráneo. Puertas secretas, ciudades sumergidas y utopías bajo tierra. La Felguera Edotorial, 2015

3. FEELING BACKWARDS

speculating backwards, feeling amalgams of fiction and not, re-writing rocky memories, queer technosciences

Texts

Possible Bodies (Helen Pritchard, Jara Rocha, Femke Snelting): Ultrasonic Dreams of Aclinical Renderling. Ada New Media, issue nr. 13, 2018

the night studies programmers lay as still as they could. With their hands flat on the damp soil, bodies a faint outline along the edge of the drill site, they prepared for the ninth day computed tomography earth scan.

Rocks and containers

none

Background

A lost video on the Internet, that was kind of like this one: Diffraction and Specular Imaging for High-Resolution Seismic Interpretation <https://www.youtube.com/watch?v=AudxgN0j57A>

Quote

“the accurate spatial identification of high-resolution geologic features like faults, natural fractures, and small scale subsurface heterogeneities can provide a pathway to higher permeability; therefore, they need to be characterized and mapped.”

4. GEOPOETHICS

Inhuman aesthetics, political economy of geology

Texts

Kathryn Yusoff, *A Billion Black Anthropocenes or None*. University of Minnesota Press, Minneapolis 2018.

No geology is neutral.

Rocks and containers

Sucrier

- Format: glTF 2.0
- Generator: Sketchfab-5.80.0
- Author: Johndoh (<https://sketchfab.com/Johndoh>)
- License: CC-BY-4.0 (<http://creativecommons.org/licenses/by/4.0/>)
- Source: <https://sketchfab.com/3d-models/sucrier-006257bdfc744ff2acafb6136a19dfb2>
- Stats: 1 draw calls, 0 animations, 1 materials, 13979 vertices, 19998 triangles
- Extensions: KHR_materials_pbrSpecularGlossiness

citrine_3d_scan

- **Format:** glTF 2.0
- **Generator:** Sketchfab-6.46.0
- **Title:** Citrine 3D Scan
- **Author:** Kevin Shain (<https://sketchfab.com/Laserdesign>)
- **License:** CC-BY-NC-4.0 (<http://creativecommons.org/licenses/by-nc/4.0/>)
- **Source:** <https://sketchfab.com/3d-models/citrine-3d-scan-ed5be0f6f4f74e039039878262ea3f7c>
- **Stats:**
 - 5 draw calls
 - 0 animations
 - 1 materials
 - 303137 vertices
 - 500000 triangles
- **Extensions:**
 - KHR_materials_pbrSpecularGlossiness

Background

Hidden rainbows in ordinary rocks <https://cdn.mos.cms.futurecdn.net/QYc24Ko2VWQ4yFbc7J67JX-1200-80.jpg>

Source: Microscopic image of a granulite (a type of metamorphic rock) from Manitoba, Canada, provided by Martha Growdon and shown at "Gallery: Hidden Rainbows in Ordinary Rocks", by Stephanie Pappas, 2011 <https://www.livescience.com/15499-gallery-microscopic-beauty-rocks.html>

5. LITHOLOGIES

(soma)(lith)topologies, analytic geontologies

Text

Elizabeth A. Povinelli, Can Rocks Die? Life and Death Inside the Carbon Imaginary in "Geontologies, A Requiem to Late Liberalism" Duke University Press, 2016

This is the formula that is now unraveling:

Life (Life{birth, growth, reproduction}v. Death) v. Nonlife.

Rocks + containers

Long Shelf

- Format: glTF 2.0
- Generator: Sketchfab-7.3.0
- Author: Joshua_Willcock (https://sketchfab.com/Joshua_Willcock)
- License: CC-BY-NC-4.0 (<http://creativecommons.org/licenses/by-nc/4.0/>)
- Source: <https://sketchfab.com/3d-models/long-shelf-08fa0400ebad48b8913bf9c0902d9df7>
- Stats: 1 draw calls, 0 animations, 1 materials, 440 vertices, 256 triangles
- Extensions: None

Almandine BIRUG 1092

- Format: glTF 2.0
- Generator: Sketchfab-6.2.0
- Author: Lapworth Museum of Geology (<https://sketchfab.com/LapworthMuseum>)
- License: CC-BY-NC-4.0 (<http://creativecommons.org/licenses/by-nc/4.0/>)
- Source: <https://sketchfab.com/3d-models/almandine-birug-1092-7744e62774f0457da9d3ac5f281d2077>
- Stats: 2 draw calls, 0 animations, 1 materials, 104369 vertices, 197246 triangles
- Extensions: None

Geode

- Format: glTF 2.0
- Generator: Sketchfab-6.87.0
- Author: EmilyHaney (<https://sketchfab.com/EmilyHaney>)
- License: CC-BY-4.0 (<http://creativecommons.org/licenses/by/4.0/>)
- Source: <https://sketchfab.com/3d-models/geode-f32b7c6e627c480a9cf7c69d76de714f>
- Stats: 7 draw calls, 0 animations, 1 materials, 394144 vertices, 599740 triangles
- Extensions: KHR_materials_unlit

Coal

- Format: glTF 2.0
- Generator: Sketchfab-6.84.0
- Author: EDUROCK AALTO (https://sketchfab.com/EDUROCK_AALTO)
- License: CC-BY-4.0 (<http://creativecommons.org/licenses/by/4.0/>)
- Source: <https://sketchfab.com/3d-models/coal-c8d2447cc0ed4539aa13dc633596f387>
- Stats: 3 draw calls, 0 animations, 1 materials, 168286 vertices, 200000 triangles
- Extensions: KHR_materials_unlit

stellaria

- Format: glTF 2.0
- Generator: Sketchfab-6.84.0
- License: CC Attribution-NonCommercial Creative Commons Attribution-NonCommercial

- Included 3D formats
- Alias/WaveFront Material (mtl)
- Generated gLTF (glTF)
- jpg (1)
- Download size 61MB

background

```
body {
margin: 0px;
overflow: hidden;
text-align: center;
font-family: 'crickx';
background: blue;
}
```

6. REALTIME/RUNTIME

hypercomputation, stony patience, life-nonlife tension in turbocapitalist extractive apparatus

Texts

Elizabeth A. Povinelli, *Can Rocks Die? Life and Death Inside the Carbon Imaginary* in "Geontologies, A Requiem to Late Liberalism" Duke University Press London, 2016

The sovereign people of geontopower are those who abide by the fundamental separation of Life and Nonlife with all the subsequent implications.

Models

3D Scanned Microchip - Artec Spider

- Format: glTF 2.0
- Generator: Sketchfab-3.29.4-rc3
- Author: CIMtech Inc. (<https://sketchfab.com/cimtech>)
- License: CC-BY-4.0 (<http://creativecommons.org/licenses/by/4.0/>)
- Source: <https://sketchfab.com/models/83ac7436f2df476e9fde09aa1838d6bf>
- Stats: 2 draw calls, 0 animations, 1 materials, 120730 vertices, 210084 triangles
- Extensions: None

Air_Vent_01

- Format: glTF 2.0
- Generator: Sketchfab-7.32.
- Author: CrazyScans (<https://sketchfab.com/RandomScan>)
- License: CC-BY-4.0 (<http://creativecommons.org/licenses/by/4.0/>)
- Source: <https://sketchfab.com/3d-models/air-vent-01-fac8c433d11748d180de89fb793bc8ba>
- Stats: 1 draw calls, 0 animations, 1 materials, 16708 vertices, 11987 triangles
- Extensions: None

HP #3DST24

- Format: glTF 2.0

- Generator: Sketchfab-3.18.7
- Author: JuanG3D (<https://sketchfab.com/juang3d>)
- License: CC-BY-4.0 (<http://creativecommons.org/licenses/by/4.0/>)
- Source: <https://sketchfab.com/models/7358f6a97626487bb57be5414e6887dd>
- Stats: 6 draw calls, 0 animations, 1 materials, 362038 vertices, 120684 triangles
- Extensions: KHR_materials_unlit

Computer Components

- Format: glTF 2.0
- Generator: Sketchfab-3.20.7
- Author: crimsonfalcon (<https://sketchfab.com/crimsonfalcon>)
- License: CC-BY-4.0 (<http://creativecommons.org/licenses/by/4.0/>)
- Source: <https://sketchfab.com/models/4daeb72925d140809bdfd51634a1908e>
- Stats: 67 draw calls, 0 animations, 25 materials, 59651 vertices, 68372 triangles
- Extensions: None

Background

Industrial operations in a silicium factory in Kazakhstan <https://www.youtube.com/watch?v=tvkoIuXDmkk>

Source: Виктор Борисов's blogsite <https://victorborisov.livejournal.com/179670.html>

Quote

“Silicon is a chemical element with the symbol Si and atomic number 14. It is a hard and brittle crystalline solid with a blue-grey metallic lustre; and it is a tetravalent metalloid and semiconductor. It is a member of group 14 in the periodic table: carbon is above it; and germanium, tin, and lead are below it.”

7. ATTRACTIONS

almaginations and affinities, affective magnetism of other kinds: appeals, path dependencies, attractions, rejections, repulsion, touch, hardware, inhuman mineralogy.

Texts

Karen Barad, On Touching. The Inhuman That Therefore I Am. Brown University and differences: A Journal of Feminist Cultural Studies, vol, 23. 2012

Electromagnetic repulsion: That is the tale physics usually tells about touching. Repulsion at the core of attraction. See how far that story gets you with lovers.

Rocks and containers

particle field

Background

Oil spill accident. Video found online.