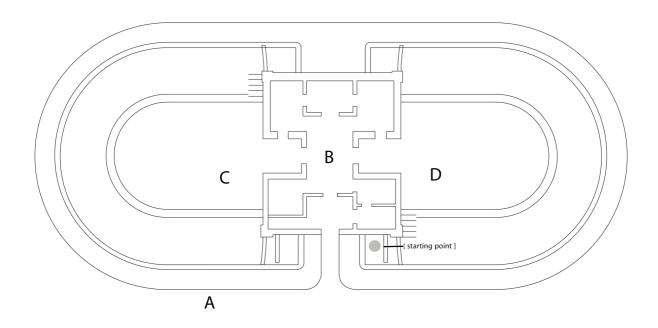
## Mario Asef

## SOUND WALK Bärenzwinger

## References



Α

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We are the living matter of history, traveling through different scales of reality. Our materiality, our own bodies, far away from the dominant cybernetic representations of macromolecular machines, from the genetic programming of the psychological and social levels, are open to new possibilities, with multiple spaces for chaos and creation of order.

(source: Acousmatic Lecture: *The Living Matter of History, Acousmatic Proteins*, Federico Geller, Errant Bodies, 2014.)

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Each thing [res], as far as it can by its own power, strives [conatur] to persevere in its own being.

(source: Spinoza, Ethics, pt.3. proposition 6.)

A falling stone endeavoring, as far as in it lies, to continue in its motion.

(source: Spinoza, preface to Ethics, 102-3.)

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В

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According to René Descartes clouds form God's throne. He considered the flowing and temperamental shapes of clouds to be the ultimate litmus test for human cognitive powers. "Those who understand clouds would have the means to explain all things wonderful on Earth," he wrote. The nature of how moisture circulates on Earth is as complex as an organism. The diameter of the smallest floating cloud droplets equals one hundredth of a millimeter; a falling raindrop measures more than one millimeter; and the air eddies of cloud turbulences exhibit diameters ranging from one millimeter to around one hundred meters.

(source: Max Planck Research, The Science Magazine of the Max Planck Society – 2.2010. P. 17. / See also: Epikur, "Philosophie der Freude," Insel-Clip 26, Insel Verlag.)

С

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A **lichen** is a composite organism that arises from algae or cyanobacteria living among filaments of multiple fungi species in a mutualistic relationship. Lichens have different properties from those of its component organisms. Common names for lichens may contain the word moss, and lichens may superficially look like and grow with mosses, but lichens are not related to mosses or any plant. Lichens do not have roots that absorb water and nutrients as plants do, but like plants, they produce their own nutrition by photosynthesis. When they grow on plants, they do not live as parasites, but instead use the plants as a substrate.

In archaeology, palaeontology, and geomorphology, **lichenometry** is a geomorphic method of geochronologic dating that uses lichen growth to determine the age of exposed rock, based on a presumed specific rate of increase in radial size over time. Lichen can be preserved on old rock faces for up to 10,000 years.

(source: Wikipedia entry; Lichen / see also: Martin Galea de Giovanni lecture about lichen in Kemmuna Nation, Mario Asef 2018–20)

D

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In March 2003, as US forces dropped missiles on the Iraqi capital, Baghdad Zoo became one of the battlegrounds. People plundered the zoo, looting all the goods and eating its animals. In Europe during World War 2, several zoos suffered similar fates. Here in Bärenzwinger, four bears died during bombing attacks.

(source: "Japanese Wartime Zoo Policy, the Silent Victims of World War II". P. 3. / see also Wikipedia entry, Bärenzwinger)

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