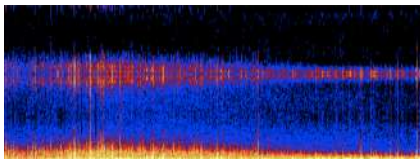


TRANSFORMATIONEN

KLANGSPUREN VON LASSE-MARC RIEK



Graphical representation of bats



Excerpt from a sonagram recording

At eight locations, the sound artist Lasse-Marc Riek transforms the Palmengarten and Botanical Garden into a subtle soundscape with sound installations, his “transformations.” Within these sound installations, the artist, who is internationally active with exhibitions, concerts, teaching assignments, and projects, draws from a wealth of material: the inaudible world under water, the notorious ultrasonic sounds of bats as well as electrical voltages of plants, and much more are transformed so they speak, resound, and sing.

THE INAUDIBLE WORLDS OF THE BAT

Ultrasonic sounds, condensed into a sound composition and made audible, emanate from the interior of the cave; they are produced by European bat species such as the common pipistrelle, the common noctule, and Daubenton’s myotis. While hunting, the bats orient themselves by means of ultrasonic echolocation, with each bat species having its own characteristic calls and using specific frequency ranges. Within the installation, the animals’ high-frequency voices (above 22 kHz) are converted by an ultrasonic detector into crackling, melodious, and chirping sounds audible to humans – human hearing ability ends at 16 to 18 kilohertz. The recorded material was subsequently processed, arranged, and transformed into a composition by Riek in analog and digital form. In this process, working with speed plays a central role.