



Setup of the installation at the exhibition 'Robots – from motion to emotion' taking place at the Museum of Design Zürich from June 23. to October 4. 2009

HASA-Laboratories

HASA-Laboratories aim is to analyze the morphology of the species *Techné*.¹ The interactive installation is staged as a laboratory situation gaining insight into various experiments & research on generic markings of this species.

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¹ *Techné Ars* (lat.) vs. *Techné* (griech.)



Abstract

„While the maximum productive efficiency of a machine is achieved under the condition of undisturbed operation, its hidden potentials are usually revealed under opposite conditions. It's precisely in the discrepancies, resistances and frictions - provoked by repeated interventions of the experimenter in test arrangements - where the epistemological potential of these structures comes to light.²“

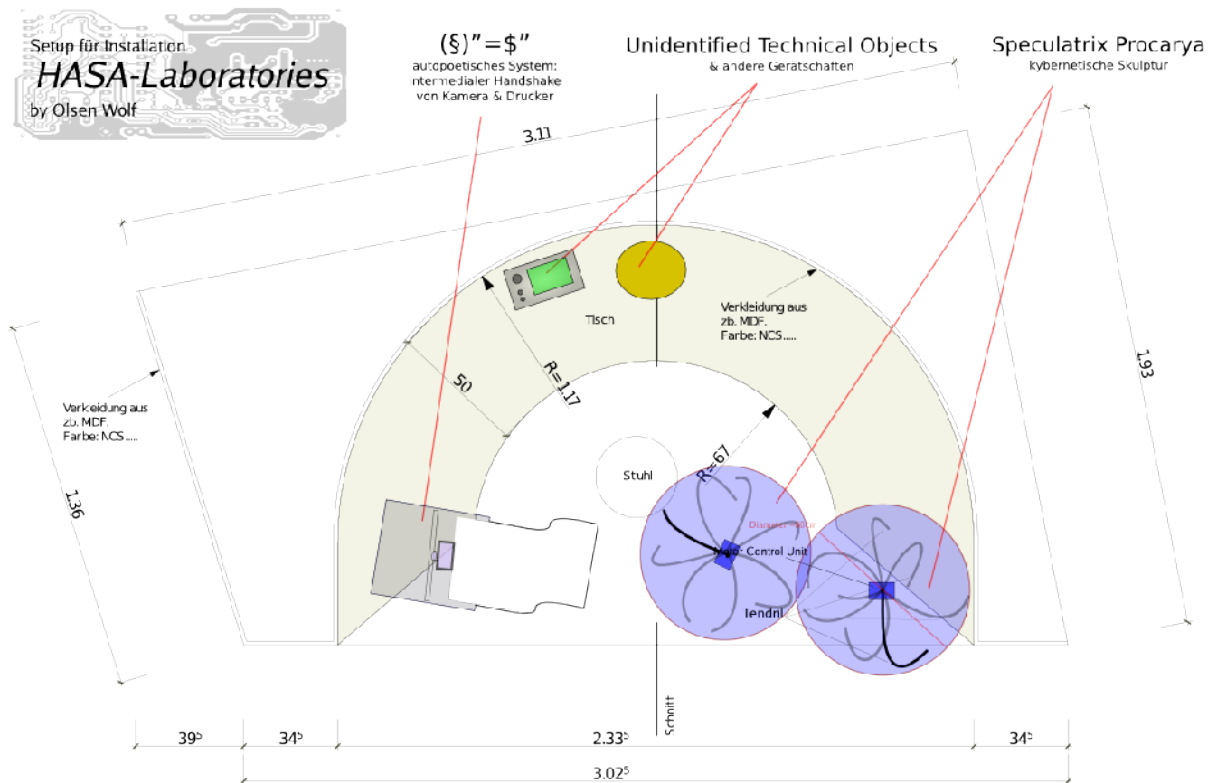
Staged is a laboratory situation as an interactive installation. Various experiments at the interface of electronic/computer/robotic are arranged. Focusing on the unplanned and not yet explainable of the ongoing experiments which investigate morphological characteristics of the objects as well as their possible dynamics / life-like properties. These exhibit reactions to the presence of visitors who are confronted with functional estrangement. The laboratory is shown not as a site of clinical rationality and planing but as a site of surprises, interferences, nescience and the miraculous.

HASA-Laboratories

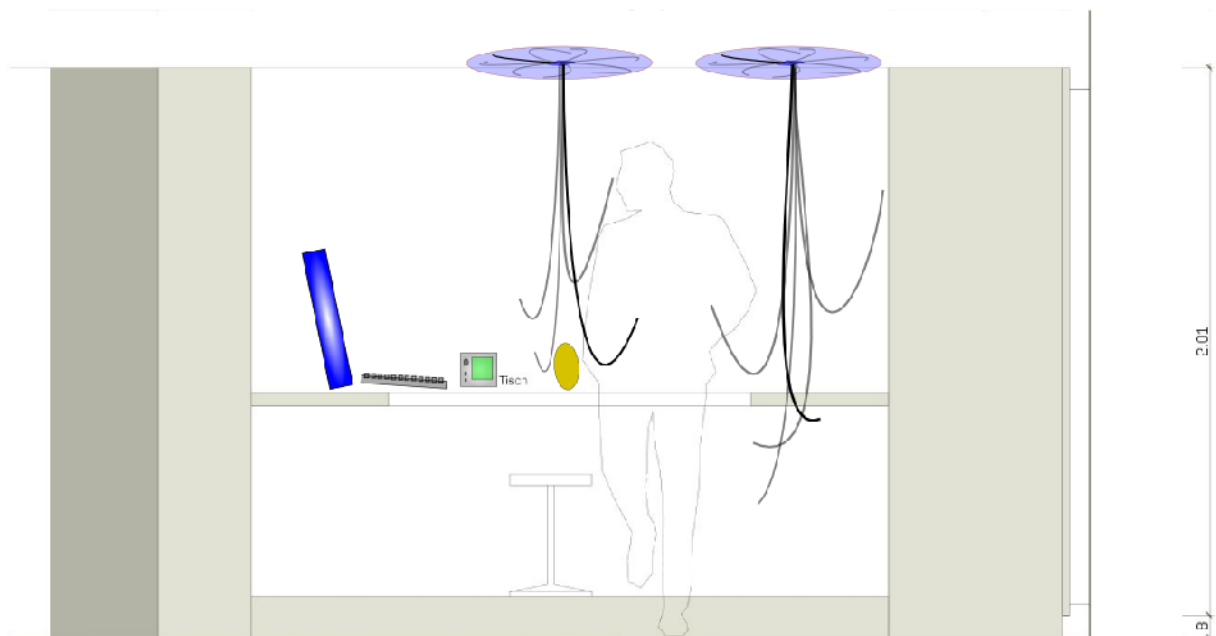
As executive Sesselastronaut, he leads the HASA team and manages its resources to advance the vision for electronic space exploration. He navigates his interest through cybernetics with an focus on automation of perception at the intersection of automatons, cosmonautics and cognitive science. Aside his research Olsen serves as the agency's first in command and oversees the day to day work of HASA's functional offices. In his position he's a consultant on various affairs, f.e. how to provide mankind with the new opportunities inherent in the specie techné and the association with technologies that expand our sense of what it might mean to be human.

²Kultur im Experiment, hg. von Henning Schmidgen, Peter Geimer, Sven Dierig, Berlin 2004 (Kulturverlag Kadmos)

Scetch of the laboratory situation



Grundriss, Mst. 1:20



Ansicht, Mst. 1:20

Single Descriptions:

Speculatrix Procarya – cybernetic sculpture - 2009

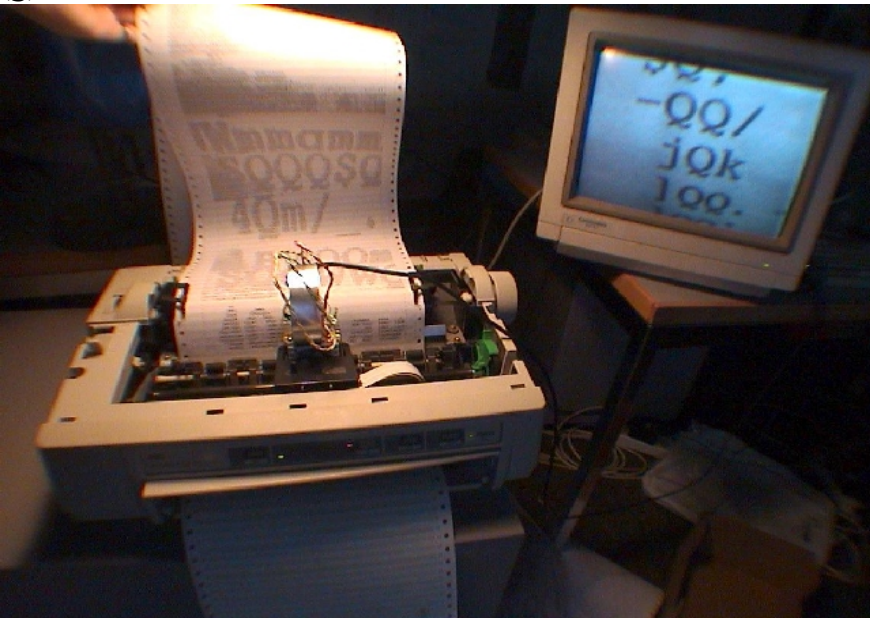


Materials:

CCD-Cameras, Arduino
Microcontroller, 12V Motor,
Dynamixel AX-12
Servomotor Software:
GNU/Linux, PureData,
OpenCV.

A sentient creature made from technological artefacts interacts with the environment. The scientist concern is the appearance, behaviour and expression of the machine. So far the observed patterns of behaviour showing phenomenas of artificial curiosity on human faces.

(§)“=\$” - closed circuit installation – 2004



Materials:

B/W CCD-Videochip on the
printhead of the needleprinter,
needleprinter NEC Pinwriter
GNU/Linux computer with
hasciicam software controlled
with a bash-script.

(§)“=\$” is a *Meta mécanique*³ made from electronic trash. A camera on a printers head sends images as ascii-data to the printer. The printout in turn is feeded back to the camera as optical data again generating ascii-data to the printer that is printed... within this circle around input/output characteristics of Autopoiesis have been observed

³ K.G. Pontus Hulten, *Jean Tinguely: 'Meta'*, London: Thames and Hudson, 1975, p.16.

U.T.O.s collection – technical entities – since 1975



U.T.O.s (Unidentified Technical Objects) – a conglomeration of ominous objects or phenomenas to engage the biodiversity of technological apparatons

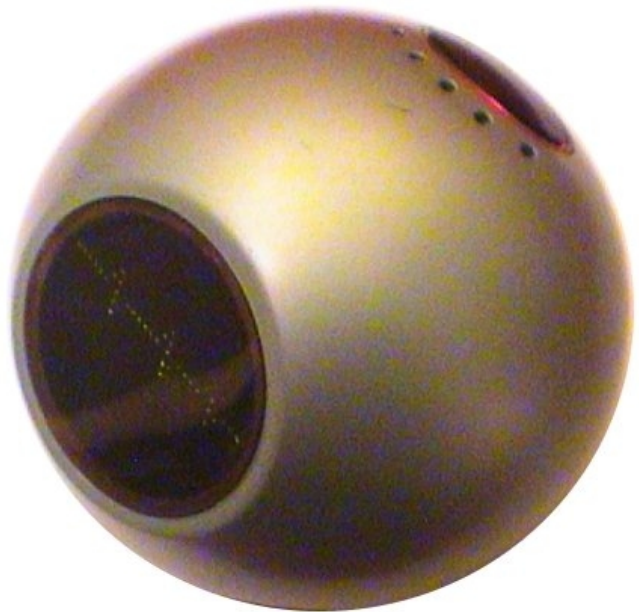
Materials:

Seminconductors, LEDs, unknown

U.T.O:



Back view



Front view

Zerebral fortgeschrittener Pithecantropus 13/11/2005; Porte de Montreuil; Paris; France