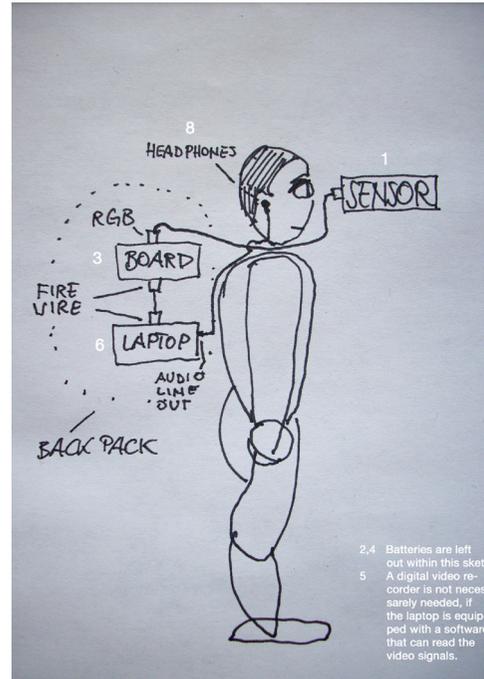
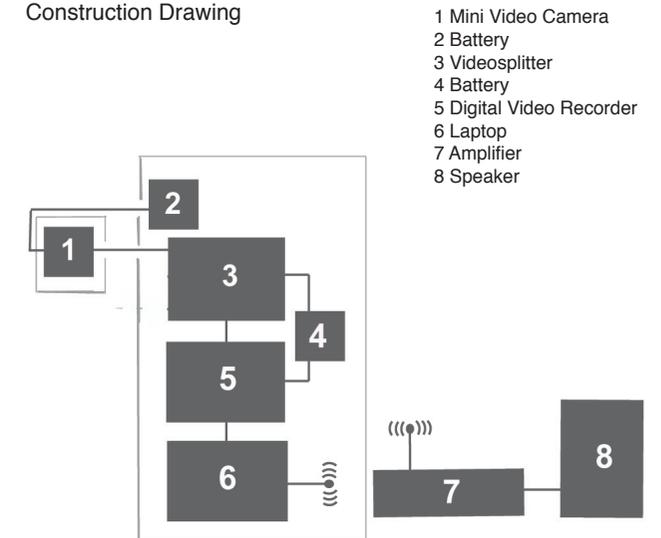


## Devices to observe the eye movement acoustically and visually

On the following pages devices will be introduced that are made to observe the eye movement.



### Construction Drawing



## System to Verbalize the Direction of View

The viewer is equipped with two spy cameras which are mounted on an eyeglass-like frame. Via the two cameras the movement of the eye is digitally tracked. This information is read by a computer program and transformed into sounded words. The user of the system listens to a rough description of the movement of their eye, which is cut into right, left, up and down. These words are audible over loudspeakers that are positioned nearby. Because of the speed of the eye movement there is a temporal inexactness in the transformation to words. The speed of the eye often is so fast that it is not possible to translate every movement into language.

Device for one person to watch their unmoved eyes in contrast to the motion of their body and environment reflecting in the mirror

Two small adjustable mirrors are mounted on a user's head at a distance of 5 inches in front of the eyes. The size of the mirrors allows to see next to the eyes a part of the environment behind you.



This device restricts the users view on their eyes.

Device for two people to watch each others eyes

The opening of the device should be hold with one hand close to the head, so the viewer is able to look through the device.

Both users should take their hands.

The longer the device is used, the deeper the common experience will be.

In order to concentrate on the visual observation, it is helpful not to chat while using the device.



THE FEMALE REPRODUCTIVE SYSTEM



THE MALE REPRODUCTIVE SYSTEM





NO

NO

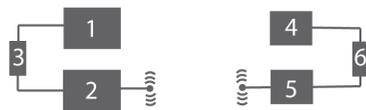
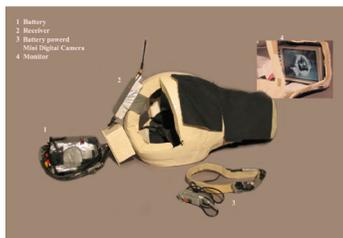
SPEED  
BUMPS  
AHEAD  
5 MPH

STOP  
ELECTRONIC  
CONTROLLED  
PARKING  
ZONE

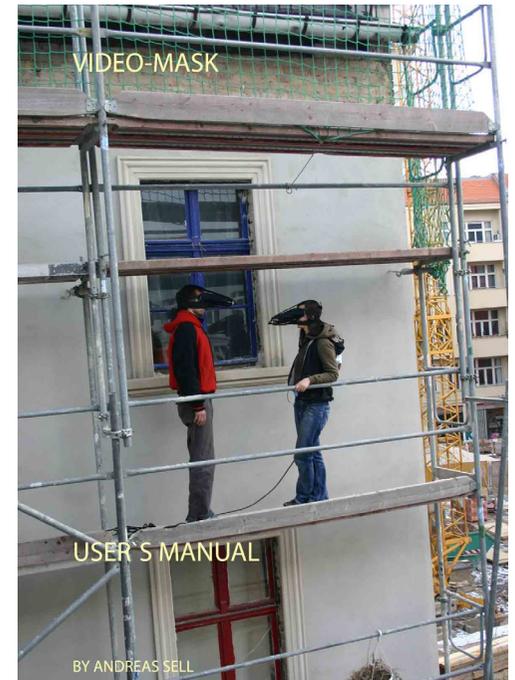
## Device for two or more people

This device separates users into observer and observed.

The signal from a wireless mini video camera is transmitted to a receiver connected to a small monitor. One person functions as “transmitter” and is fitted with the camera focused on one of their eyes, the other serves as “receiver” and wears the head mounted monitor. The monitor carrier’s view is limited to the screen in front of their eyes. This displays the signal sent from the camera.



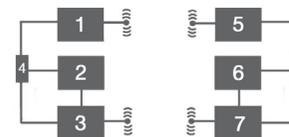
- 1 Monitor
- 2 Receiver
- 3 Battery
- 4 Mini Video Camera
- 5 Transmitter
- 6 Battery



## Device for two people

The idea for this device focuses on the observation of an object, which is perceived in combination with the movement of someone else’s head.

Each system user is equipped with a mini video camera and a monitor. Both transmit their video onto the opposite’s monitor. Because of the impossibility to keep the head completely still, both view an shaky image. In this experimental set-up the video camera serves as movement sensor. In order to reach a more detailed observation of the object and the other system user’s head movement, both are asked to reduce their head movement while they look at the object. Doing so both users are in a visual-moved communication.



- 1 Mini Video Camera with integrated Transmitter
- 2 Monitor
- 3 Receiver
- 4 Battery
- 5 Mini Video Camera with integrated Transmitter
- 6 Monitor
- 7 Receiver
- 8 Battery

Who is the actor?

Today

Friday November 24, 2006, 3:00 - 3:45 pm

There will be a hired actor playing a regular customer in this restaurant.

Try to find out by observing the space who the actor might be.



A hired actor is engaged to play a regular customer in a restaurant for 45 minutes. Every customer who entered the restaurant was made aware of this through a poster, placed on the front door, which asked them to find out who the actor might be.

Site: Lodge and General Store, Williamsburg, NY.  
11/24/2006, 3:00-3:45PM

and get no overview on the whole story. The limits between the fictional play and daily life are not clearly separated, thus the unusual behavior of the actors exposes the situation of the street life environment. The public space gains a new perception.

## Project Description

Alfred Hitchcock's movie North by Northwest is the script for a performance in the public space. The movie's characters will be limited to its main characters that will be equipped with mp3 players, playing the audio soundtrack of the movie while they re-enact it. The film will be played nonstop like a theatre piece. Restaurants, stores or simply the sidewalk will be the stage for the play.

## The Action in Public Space

Written and unwritten laws control behavior in public space. Most of those are unconscious and deprived of awareness. The setting of a different procedure that is in no context to daily activities, breaks the habit of a place which finds a fictional character. Due to use space for purposes other than intended, it receives another meaning and its visitors become unintentional participants in the unexpected situation.

## North by Northwest

North by Northwest is a road movie in which the story line is formed through its fast scenes and short dialogue. This makes it fitting for a performance piece in public space because the story changes location at a high speed, allowing the actors to be always on the move from one place to another. The movie has a clear stream of information that builds up an understanding with the spectator. In contrast to this, the street project takes away understanding: the audience, ordinary pedestrians, just see short sequences

## Second Phase of the Project

This public theater piece is going to be documented through surveillance cameras that are either already existing cameras at the sight or special mounted cameras. The recordings will be brought together in one place and shown on different screens. Besides this, the soundtrack of the movie will be underlayed with the surveillance recordings. While the information stream of the performance was noncontinuous, the story now becomes informative, again.

While performing I wore a mini camera on my forehead which recorded my view.



A re-enactment of the final scene on Mt. Rushmore from North by Northwest, an Alfred Hitchcock film, starring Andreas Sell as Roger Thornhill (Carey Grant), made on North 7th and Roebling St., Williamsburg,



# Automatic

## The Dependence of Action and Reaction

### Project Description

This project involves interaction with a theater piece. Alongside the regular performances of a theater piece it is planned to perform shows in which one actor is exchanged with a member of the audience who is not aware of the story of the piece. The member of the audience will be fastened on a low pedestal on rollers, powered with an electric motor, which is programmed to convey the member of the audience from one position to the next, exactly as the actual actor would move on stage. That way the member of the audience is integrated into the theater piece and goes through it automatically. The voice of the replaced actor will be played through speakers. To bring this on stage situation to the audience in the auditorium, every actor as well as the member of the audience on stage will be equipped with a spy camera mounted at their forehead to transmit their view and the move of their head onto a screen besides the stage.

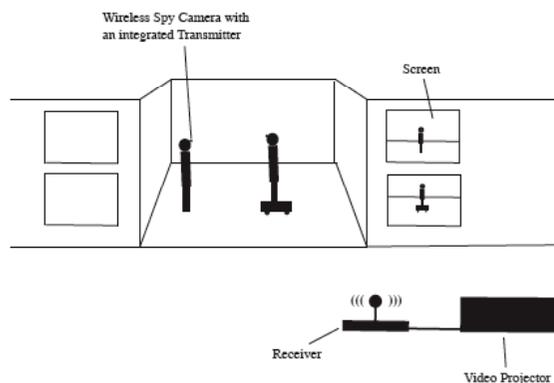
### Intention

During rehearsals for a theater piece the actors practice emotions, actions and dialogue in order to tell the audience a story. The concept of mounting a member of the audience on a vehicle that replaces an actor on stage, attempts to focus on the difference between a conscious, trained performance and an unconscious one. The person on the vehicle will react spontaneously to confrontation with an actor. In contrast the actor will continuously following the script. Her/his action is artificial. For this concept the meaning of the story is not as important as the fact that there are people standing on a stage imagining to be someone else in a certain situation. The member of the audience may not be aware of what is happening on stage, but she/he is part of the play. Her/his reaction will be transmitted into the auditorium by a small spy cam, which functions as a sensor of movement. Through this the audience gets the chance to have a close look on her/his reactions. A further intention of this project is to create a figure that creates a conflict of passivity and activity. Being mounted on the vehicle, this person doesn't have to do anything but to wait to be released from the vehicle. She/he can be passive, but the spy camera transports every movement of that person's head on a screen. Wanted or not the person gives a comment on the play. She/he becomes an active part of the play.

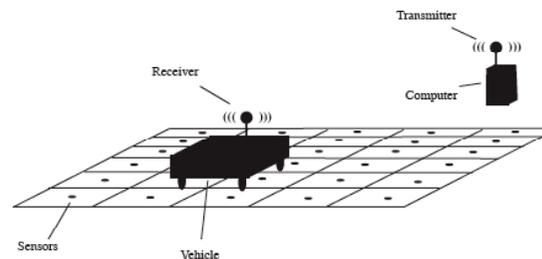


The head mounted spy cameras send their signal to receivers that are connected with video projectors which project the video as a life conversion on screens next to the stage. As the spy cameras are mounted on the forehead of the actors on stage the video expresses their head movement. That with the video gives information on the body language of their carriers.

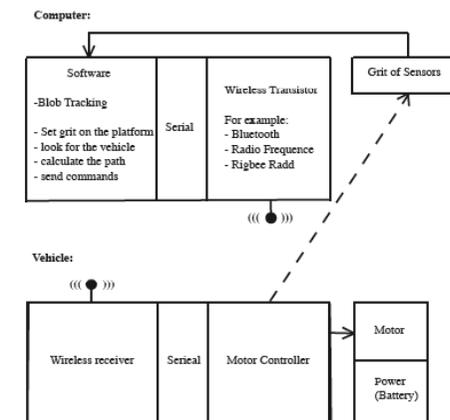
### Video life conversion



### Sensors at the floor control the direction of the vehicle



### Construction of the vehicle's system



A person was hired to stand for 15 minutes on a street corner while looking in one direction, verbalizing what they saw continuously.

Site: 29th Street and 7th Avenue, Manhattan, NY.

02/21/2007

The following A4 sheet with text is equal to 8:46 minutes of spoken word.

Blue truck- yellow and blue bicycle delivery man- green scaffolding- paperbag carrying man- corner of a building concrete- white truck- woman in black with bag- van- woman in white- woman in black- man in green jacket- white silver delivery truck- yellow taxi cab- silver truck- silver limo- one way sign- silver truck- white truck- red truck- man in black- woman in black- woman in brown- man in white- woman in black- man in red shirt- white, red truck- blue delivery man- green car- white delivery truck- yellow cab- white van- yellow cab- man with coat in brown- man with black jacket- man with black jacket- white shirted bicycle rider- man with white shirt - woman with black jacket- brown jacketed woman- silver truck- stop sign- woman in black- man in black- man in white- woman in black- three woman in black- woman in black shirt- station wagon in blue- man in black- woman in fair colored- man with black shirt- bicycle rider- green cab- white back delivery truck- yellow cab- woman with blue folder- man in black leather- street shadow- delivery van- green van- black van- green truck- man with black jacket- man with black jacket- woman in grey- man in black jacket- man in brown jacket- black truck- white truck- woman in black jacket- bicycle rider blue shirt- pick up truck- tail of a white car- woman with black, red backpack- bicycle rider in grey shirt- woman in black- woman in green- woman in black- woman in blue- woman in blue- woman in white- man in tan- white limosine- delivery truck- man in black jacket- man in black jacket- man in black jacket- woman in black jacket- man in black jacket- woman in pale purple coat- man in bicycle black jacket- corner of arm man tan- woman in tan coat- man in black jacket- man in tan jacket- man in black jacket- man in black jacket- woman in red apron- yellow cab- woman on phone in black- city bus- delivery truck white- delivery truck red- yellow cab- yellow cap- tan car- yellow cab- man in white shirt- man in black jacket- white delivery truck- yellow cab- red truck- yellow cab- yellow cab- yellow cab- man in brown- yellow cab- yellow cab- yellow cab- yellow cab- bicycle rider white- man in grey jacket- man in brown vest- woman in multi colored jacket- bicycle rider in white- woman in black jacket with bag- grey pick up truck- woman in black jacket- woman in white jacket- silver truck- man in black jacket- woman in black jacket- man in black jacket- woman in black jacket- bicycle rider blue- man in black jacket- woman in red coat- woman in red coat- man in black coat- man in black coat- man in brown coat- green mailboxes- woman in black coat- woman in black coat- man in grey shirt- woman in black- man in black coat- taxi cap yellow- white delivery truck- red car- white van- yellow cab- yellow cab- man in black jacket- woman in white jacket man in tan- man in tan- city bus- yellow delivery truck- red delivery truck- yellow cab- yellow cab- gray car- woman in black jacket- woman in pink jacket- two silver trucks- one silver truck- black car- yellow car- yellow cap- green car- yellow cab- black car- white van- yellow cab- yellow cab- silver car- black car- man in black with backpack- man in black with backpack- woman in brown jacket- man in green jacket- silver car truck- bicycle rider in brown jacket- man in black jacket- man in black jacket- man in black jacket- woman in white jacket- man in leather coat- man in black jacket- man in black jacket- man in black jacket- woman in white jacket- man in black jacket- man in black jacket- man in white ap black apron- man in black jacket- man in black suits- man in black jacket- man in black jacket with bag- man with blue shirt- man in black jacket- man in black jacket- man in white shirt- red car- silver car- bicycle rider in brown- two black vans- one black van- red bull delivery truck- light silver car- man in red jacket- man in black jacket- yellow cab- woman in black jacket- woman in tan jacket- bicycle rider in black jacket- man in black jacket- man in multi colored jacket- woman in black jacket- woman in black jacket- man in tan coat- man in white shirt- yellow van- yellow cab- black pick up truck- black van- yellow cab- red van- yellow cab- white bus- woman in tan coat- woman in black jacket- white pick up truck- man two men in blue shirts- one man in sweater grey- one woman in black jacket- woman in black jacket- man with cart of packages- man in black jacket- man in black jacket- woman with pink bag- man in black jacket- man in black jacket- man in black jacket- man in grey jacket- man in white jacket- woman in man in red shirt- front of blue truck- grey truck-