

## ARTIFICIAL SLEEP

The building blocks of police mythology in the 21st century.

### EXTRACTS

...

#### Unconsciousness

„Domestic security“ has created a science-fiction reality with the aid of electricity, sound waves, gas and foam. It paints a picture of civil conflict which, despite a 30 year old tradition in the use of hi-tech weaponry such as pepper gas, computer searches, computer intelligence networks, police round-ups, is still seen by most as some fantastic script for a Hollywood film and bearing no relation to reality.

A read through *PE 166 499*, an evaluation of technical and scientific means of crowd control, published by the EU programme STOA<sup>1</sup> and later texts shatter all illusions.

The tools of crowd control are today already considered to be „intelligent“, this over-utilised terminology omits an explanation of exactly how a shift in technology from the conventional to the non-conventional will replace „physical crowd control“ with „direct mind control“ and what the effects of such weapons will be. Methods of the media age such as beaming and acoustic modification and avant-garde biochemistry have found their home in police arsenals. Immaterial or molecular carriers, which boast the ambiguous title „agents“ will, in the future, be at the forefront of curbing civil unrest, such chimerical machinery will be deployed to confuse and perturb. The literary style of the ten year-old *International Convention on the Use of Non-lethal Weapons* already establishes the likeliness of these new developments to a work of art.

The paper is the militaristic philosophical demon-child of futurologists Alvin and Heidi Toffler, conceived during a lull in armament policy at the end of the Cold War. The spurious text was drawn up with the help of Chris and Janet Morris, two American Quakers and a former Green Beret Commander and Viet Nam veteran John B. Alexander. Its novel-like proposal for a clean-handed democracy, free of bloodshed, yet armed to the teeth with hi-tech weaponry stealthily circumvents all of the conventional arms restrictions and at the same time poses as a humane strategy for the optimisation of police efficiency in street combat.

The technological and biological machinery outlined in their paper employs temporary or partially reversible effects such as sleep, pain, blindness, paralysis, vomiting and spontaneous defecation amongst others.

M2 Technologies Inc., the company owned by Chris and Janet Morris offer „*tuneable*“ weapons capable of delivering such effects in their virtual shopping mall: high-energy microwaves and DNA-mapping chemicals as „*Law Enforcement applications*“ or nanoparticles as the future of self defence.

Despite the efforts of some who try to dispute the classification of such apparatus as „weapons“ or interpret their use as less harmful in order to banalise any implications of brutality, one thing remains clear: such weapons, especially police-weapons, whether lethal or not, are intended to be directed against persons.

The fact that cultural assets, public housing and military infrastructure remain unscathed by the use of these devices is a convenient side effect which is often used to reinforce the case for their existence, it is however just that: an unintentional side-effect. The name says it all: Lethe is the goddess of final oblivion; she comes for mortal souls, not

---

<sup>1</sup> Source <http://www.nl.cryptome.org/stoa-atpc.htm>

4th paper on surveillance: <http://www.nl.cryptome.org/dst-l.htm>

Interim report: <http://www.nl.cryptome.org/stoa-atpc-so.htm#4.0>

Initial final reports: [http://www.europa.eu.int/stoa/publi/default\\_en.htm](http://www.europa.eu.int/stoa/publi/default_en.htm)

buildings or machines.

Low intensity warfare confines itself, in the main, to mass control (monitor everything), group control (blanket arrests) and prison control (selective suppression).

A new approach no longer calls for the incapacitation of the subject's body but an interruption of thought and motor functions.

Recent studies conducted by *Bradford University's Peace Studies Department* and SIPRI (*Stockholm International Peace Research Institute*) or conferences such as *Futuresonic*, which took place in October 2002 in Manchester, UK have focused on the implications of this chemically induced sleep as a means to influence behavioural change, something which has become the ambition of hi-tech political control. The biotech industry is thus alchemising new generations of highly specific designer pharmaceuticals, hypnotics and anaesthetics, developed and tested on computer displays. They offer the solution to containing unruly masses: programmable lapses of sleep and unconsciousness, the future of law and order in the 21<sup>st</sup> century state.

The use of non-lethal weapons as a proven means of countering terrorism is being increasingly propagated, genetically modified gases, which can single out the DNA of certain ethnic groups, are being put to the test. The effect of these gases is so exact that a person with only a minimally differing gene makeup to the desired target will go unharmed.

A substance of this description has been sitting in a biotech laboratory in Nes Tziyona near Tel Aviv since January 2003 awaiting its first assignment somewhere in Iraq. The factory in Nes Tziyona was in fact the consignee of the cargo of Sarin carried by the EI-AI plane which crashed into a building in Amsterdam in 1992. This pathogenic substance is a modern-day variation of the ethnic bomb, coined the "pigmentation weapon" by the South-African biochemists who developed it many years ago. The *Human Genome Project* has taken the worldwide arms market by storm due to recent success where its awesome gene mapping capabilities have been unleashed.

Researchers, politicians and police spokesmen in both Eastern and Western Europe are arguing the case for the use of hi-tech weapons, the terminology leaves nothing to the imagination: "mood management" and "mass incapacitation" form the core of the sales policy of such technologies whose consistency with existing laws is as questionable as their ethical justification. In future control scenarios the objective is to directly influence the "suspects" central nervous system without harming the person's body, an effect which is, in general, forbidden by European laws and is underscored by the NLW convention, hence a "complete liquidation" of the target groups (protesters, militant inciters, terrorists) is to be avoided. In this context the terms "psychoelectronics" and "nanotechnology" are mentioned with irritating frequency. A "relatively reversible effect" is the object of such developments and how this is achieved can be found in reports commissioned by the STOA programme of the EU Parliament in Brussels. The relationship with its namesake, the Greek school of philosophy, is so remote that it invokes suspicions of a ruse.

STOA simply stands for *Scientific and Technological Option Assessment* and is an organ, which deals with practically any matter from fisheries to ecology to human rights. In October 2002 the *Omega Foundation* an NGO from Manchester, England completed a revision of their colossal report *An Appraisal of Technologies of Political Control (ATPC 1997 – 2001)*. With contributions by international specialists and experts in the current political landscape this report scrutinises recent events in Moscow and the preparation for the invasion in Iraq.

Politician's will never get to read the full version of the facts delivered in the round 1,000 page STOA study which deals with themes ranging from the "Trojan vehicle" to a veritable "Pandora's box" of new substances to "hypno-politics" as they will be presented with a slender "booklet" version of the original, incapable of providing the scope of the

parent study. Ultimately many of the astonishing facts unearthed by the interim reports will be omitted. ...

In order to use the information included in the report for the debate over perspectives for our future, it seems essential to create extended platforms for further "translation" of the report. Only then will the investigation, provided by Steve Wright, the founder of the *Omega Foundation* and his specialists, furnish a solid basis for a criticism of the ideologies behind "domestic security". A translation of its contents is a necessary addition to the report which EU unfortunately publishes in a shortened version without the photos and illustrations of the original.

Without such clarification its pages tell a very benign, consumer-friendly story, for who would have guessed that the apparently harmless phrase "border control technologies" is a covert for the rebuilding of the Iron Curtain in the form of an electric frontier. How does it feel to be struck by 50,000 volts of electricity from 200 metres away carried by ions in the air which have been charged by a UV laser? And the development of an explosive device containing 5,000 microscopic hooks attached to thin cables, which penetrate a person's body and hold them paralysed, still fully conscious, until the battery is depleted, does this mark the long-awaited humanisation of the notorious border land mine?

On the 19<sup>th</sup> of April 2003, with the heavy artillery of the Iraq conflict still ringing in the air, DPA announced that one of the war-waging parties, Great Britain, has armed its police force with devices, which have enjoyed a long test phase in the USA. Five selected districts in the United Kingdom will now be the testing ground for the Taser M26, a pistol, which from a distance of seven metres, shoots hooks attached to conductible cables delivering a charge of 50,000 volts that induces muscle laming in order to facilitate handcuffing the suspect. However the article neglects to mention how the "shaped pulse" electric power affects the delinquent's psyche after having been shot at a hundred times or over a period of hours, a core features for incapacitation, advertised in the company's shiny Hollywood-style DVD manual.

After having witnessed the building site fences erected to cordon off inner-city security zones in Genoa and Barcelona in 2001 and 2002, who would have believed that "area denial devices", the mobile barriers of the future, are not, in fact, cemented into the ground but are highly-adhesive substances, which cling to the body of the target. How does a bystander feel who mistakenly becomes the target of "sticky foam balls" that pin him to a wall, leaving him helpless until the next riot squad arrive with the appropriate solvent to set him free? The US Marine Forces have already been using these glue canons for several years. Similar "kinetic impact" weapons can be found in the arsenals of almost all EU member states. Even though most of these countries do not have a policy of turning these weapons on people, rather they are used for sealing rooms and escape routes in order to confine suspects, this does not rule out a political change of heart and their subsequent use against soft targets.

What does it say about the state of our culture, when, despite society's current preoccupation with hygiene, methods of control are being proposed which, by means of a specially confectioned gas, can induce spontaneous defecation in a large congregation of, say 4,000 people? A sense of shame becomes a means of control.

The internal paper of the US *Joint non-lethal Weapon Directorate*, published by the NGO *Sunshine.org* through the Freedom of Information Act, discusses "crowd control by means of olfactory stimulants", which are artificially manufactured malodorous substances: yet their use seems almost superfluous given that the above mentioned application produces the same effect as a side effect for free. Priority is given to the use of bacteria-filled projectiles, which, when dispersed, serve to neutralise a "fractious

mob's" sense of smell.

Who would have believed, in spite of recent developments in art and media, that the participants in futuristic new media expositions are being selected from the ranks of the police force? What does a spectator at a public rally feel when he is harassed by "sonic hallucinations" projected from several hundred metres away and only audible to the target person, confounding his thoughts as an ethereal "voice in his head" fills his mind with misinformation? Doesn't that appear to be the technical solution for inducing paranoia to people?

Who, after having seen Bill Viola's meditative installation with sleeping heads, would wish for its transmutation into a 3-D video projection to be shown openly in public spaces as a living simulation beamed onto a layer of transparent gas?

Apparently the technocrats of domestic security do not see the roots of democracy in the Athenian Polis, rather in the war between the Greeks and the Trojans. The "mobile tactics" in literature on non-lethal warfare and suppression of civil disturbances tell explicitly of Trojan technology, for example riot vehicles, which from the exterior, have the appearance of ambulances but are, in fact full, of "cyber-cop" apparatus. From these rolling Trojan horses, then, security forces can shoot into a heterogeneous crowd of protesters and single out citizens of a certain gene makeup, who collapse unconscious or are seized by pain and sent writhing to the ground while others walk away unharmed. After the first cinema showing of the action film *Copkiller* (USA, Italy 1983), cinema-goers spoke excitedly for weeks of a scene in which ex-Sex Pistol, Johnny Rotten puts his head in a microwave. 20 years later, who is talking of the microwave canon, jointly developed by German research institutes and the German army, capable of jamming signals to enemy aircraft? A photo of this sophisticated blue aircraft, tells nothing of the hidden capabilities of this microwave technology which is also available in a convenient hand-held version, which, when used on a living object, can raise body temperature to 42°C within seconds. Needless to say this device has also found its place in the ranks of non-lethal weapons. All of these various systems are mentioned in the EU report as possible options, some in their research and some in their test phase. An explanation to their ultimate application has been hitherto refused.

...

**CAMOUFLAGE:** The European automotive industry uses the term "Trojan vehicle" to describe cars especially adapted for the police and special response units. Their exact sales description is, ironically, DOV(e): "discreet order vehicle". A whole host of companies are involved in the development of the "non-aggressive" four-wheeled combat machines, they include: *Sicherheits-Transport* from Austria, three French companies; *Saviem*, *Panhard* and *Renault*, *Bonow* *Mercedes Benz*, *Rheinstahl* and *Thyssen* all from Germany, Italian partners are *Fiat* and *Iveco*, *DAF Special Products Division* from the Netherlands and a British firm called *Trojan Vehicles*, a subsidiary of *Rolls Royce Aircraft*. In total there are more than twenty companies involved in the production of DOV(e)s, which one would instinctively imagine to be painted white like the bird of peace, which lent them its name.

DOV(e)s celebrated their debut in *Nonlethal Weapons: Terms and References*, first published in 1998 by professor Robert J. Bunker of *California State University* in San Bernardino. This work was compiled with the help of the aforementioned John B. Alexander who is a US delegate to a NATO advisory group and has an email address at America Online under the pseudonym "Apollinair"(without an 'e').

One of Apollinaire's theories was that an artist must lose his humanity in order to adapt to his environment. The validity of this theory is underscored in the pages of Alexander's two books *Future War: Non-lethal Weapons in 21<sup>st</sup> Century Warfare* and *The Warrior's*

*Edge*. Doubtless, this type of publication promotes the increasing impetus for a revolution in the responsibilities and combat tactics of the police and military alike and their joint application of research in this field. This anti-democratic process is laid out in exemplary fashion in Alexander's blueprint for police technologies of the future.

His article *The New Mental Battlefield* written in 1980 already describes how psychological warfare can be used in battle. As a colleague of General Burt Stubblebine of *US Army Intelligence and Security Command* (INSCOM) Alexander became renowned for his piloting of research programmes, which explored "*human potential*" in ways never before witnessed. It seems that the collection of data on extra-sensory techniques (comparable to PSI technology) is the most prominent part of these programmes. Neither the CIA nor DIA (*Defence Intelligence Agency*) admits authorship of these programmes; the blame is constantly being passed from one to the other. The *Science Applications International Corporation* (SAIC) has also been drawn into the crossfire.

The SAIC is a hi-tech arms developer involved in the conception of various weapon prototypes. In recent years it has been working on a "mobile robot infantry" designed for use in situations of urban disorder.

After leaving the army, Alexander also worked at this American elitist research institute in Los Alamos, where he fostered his concept of non-lethality and promoted his ideas to politicians, academics and the heads of the military and secret services. Later he took a position in a private research institute in Las Vegas called *The International Remote Viewing Association* of which he is also a board member. This institution is a meta-military sectarian union whose speciality is nurturing "*mental capacity*" as a means of transmitting and recording information outside of the sense organ. In this capacity, Alexander is also advisor to the White House.

Alexander and his co-author Bunker envisage the use of DOV(e)s as follows: "Mobile tactics is a procedure used against rioters in which an anti-riot team is embarked on vehicles, rapidly driven near rioters, whereupon they quickly disembark and rush towards the crowd, followed by another team, which repeats the procedure and exploits the momentum gained by the original team."

In the same encyclopaedia entry a description of the weaponry is offered: "*Operational Nonlethal Weapons, Western*. Weapons that are explicitly designed and primarily employed so as to incapacitate personnel or material, while minimising fatalities, permanent injury to personnel, and undesired damage to property and the environment. Unlike conventional lethal weapons, that destroy their targets principally through blast, penetration and fragmentation, non-lethal weapons employ means other than gross physical destruction to prevent the target from functioning. Nonlethal weapons are intended to have one, or both, of the following characteristics: a they have relatively reversible effects on personnel or material b they affect objects differently within their area of influence."

For two decades long-standing readers of *Virilio* have believed that close contact battle will have disappeared and have been replaced by the battle of video based camouflage bombers and cinematic perception machines. They stand corrected. The task is tough and physical, like the battle of Troy.

DECEIVE: These inconspicuous tactical vehicles are intended to increase mobility and efficiency in extinguishing civil rebellion. They serve as sophisticated, modern-day battle steeds for the "cybercops" of the antiglobalisation era. They are agile riot tanks, which show up on the prying camera lenses of journalists as ambulances or fire engines. Taking on the outer appearance of civil vehicles enables the unhindered transportation of malign, ultra-modern weapons to the nucleus of unrest where their force can be unleashed from behind the protection of the armoured "rescue" vehicle.

The concealed potential of these vehicles is not limited to their appearance, even the technology on board has, apart from its non-lethal characteristic, a secondary sinister dimension: an effective combat weapon has to be “smart”.

Such labels are best seen in an older context, one that began with the New York Times’ christening of Hiroshima as “ground zero” in 1946. The current media rhetoric has not only grafted the name “ground zero” onto site of the disaster in Manhattan in 2001, but similar to the bombing of Hiroshima, has not delivered any real images, which document the aftermath of the event.

This is known amongst vigilant observers of the media coverage of the Iraq conflict as “the CNN effect”. Television audiences worldwide could engage in a first person perspective of computer-coordinated missile raids on Iraqi targets as if they were sitting on the bomb itself, able to accompany it until its impact somewhere along the “axis of evil”. Satellite images then gave spectators an after-impression of the raids, there was not a single picture of dead bodies or bloodied remains only images of demolished buildings. Such “intelligent” bombs, equipped with video imaging capabilities belong to the family of “smart” technology. Killing is no longer messy it is refined, even clever. They withhold the after-effects of devastation, they spare us the horrific pictures of the real damage, which they inflict and at the same time pretend to deliver more coverage of such atrocities than ever seen before. It is a linguistic irony that the word “smart” was chosen to describe such weapons due to its meaning of “ingenious” for it has another meaning which is often overlooked in this context: that is to say “causing sharp, stinging pain”.

The term “non-lethal” refers to nothing more than the reduced likelihood that a target will be killed by the impact of a certain weapon. Ballistic science has addressed this problem by marginally reducing the kinetic energy of firearms, by using softer forms of ammunition or decreasing the concentration of paralyzing agents in chemical spray canons. The “CNN effect” delivers a feasible, consumer-friendly alternative to images of atrocity, a group of “anarchists” who collapse, anaesthetised under the effect of a sedative is well within the bounds of acceptable news and considered fit for broadcast. “Sedated” gives the impression of a temporary, reversible condition; something *one can live with*. “Sedate” is already a part of our vocabulary it gives a notion of fogginess, obscurity, dimness, stupor all of which are transient states that subside with the passing of time. By this logic, then, the “enemy” is only in a state of senselessness, not dead, and legal implications of guilt could, in turn, be interpreted very differently. A television audience no longer needs to feel uncomfortable and can watch the investigation of such a case without feeling uneasy: they can watch in peace. Conversely, shocking images in the press or on television of the dead body of a young man lying on the ground at a demonstration at a G8 summit in Genoa would not be welcomed. Bleeding civilians belong in the hospital, not on the covers of magazines or on television screens. Likewise, riot weapons and vehicles are not to be shown as such; instead they should look like commonplace automobiles thus drawing no suspicion.

...

SELECT: Another aspect in the coming development phase of “mass incapacitation tools” is research on the susceptibility of human genes. Widely accepted research results like those of the global gene databank of the *Human Genome Project* tell us that the margin of discrepancy in our gene structures and distinction in the human species is greater than ever. These results provide a means to distinguish between ethnicities thereby enabling specific treatment of a particular race. The intended applications describe in the STOA report are listed as: “behavioural change, race-specific crowd control and border control”. The seeds of research sown in 2000 are now ready for harvesting. The “Selfish Gene” is superseded by the “Criminal Gene” in the dawning of a

neo-Lombroso<sup>2</sup> era. Future scenarios of civil uprising such as antiglobalisation rallies and blockades of nuclear waste transporters will no longer be a disarray of storming riot police and fleeing protesters. Armour-plated doves of peace will arrive on the scene where crowd control specialists will, with the help of non-lethal spray canons, cover the mob in a cloud of genetically adapted barbiturates, which paralyses Friesians or inflicts Pakistanis with excruciating pain as never felt before.

...

SPRAY: In 2001 the French newspaper *Libération* published a photograph of a naked protester in Genoa. The image was crowned with a quote from the French philosopher Miguel Benasayag, which reads "Resistance is Creation".

In a thick cloud of riot gas, the man stands bare, God's creation ... wearing a gas mask! He is holding his arms upwards in a v-shape. In the foreground there is a lamp post which lends several interpretations to the image. Did the photographer see Jesus at the foot of the cross? Do the thrown-up arms and the naked body signify that the man is surrendering to the overwhelming might of the police? Is he euphoric with defiance, intoxicated like the partygoers at countless raves? Does the V-shape of his arms mean victory or capitulation? Or is the V-man a hired provocateur?

The escalation in police violence and the fatal shooting of a protester by a young Carabinieri at the G8 summit riots in the summer of 2001 have fixed people's attention on police practices and equipment. Pictures from Northern Ireland spring to mind where 50 children are said to have been killed by rubber bullets. Then all eyes turn to Zurich as rubber ammunition ricochets off the walls of buildings in the Swiss city. The police, whose very name is derived from the etymological root of a word meaning both "citizen" and the ruling hand of public security, has suddenly become the symbol of an excess of power, and thus altogether contradicts its own heritage. The Medieval Latin word *policia*, meaning state administration, is a derivative of the Greek *polis*, meaning city and is also a metonym for "executive organ", i.e. the police as the upholders of public order. Even in its first ten years of existence the doctrine of police armament often came into disrepute predominantly because of the use of non-lethal weapons.

European attempts to classify gaseous substances, sprayed into crowds from road vehicles or helicopters as "humanitarian weapons" date back to the 1960s. Jean Louis Braus' book on narcotics *L'Histoire de la Drogue*, first published in 1968, contains a chapter entitled *Police Drugs and Psychochemical Weapons* in which French officer R. Nardi is cited "psychochemical weapons have, above all, the characteristics of moral, humanitarian arms that do not inflict pain upon their targets but render them incapable of resistance for a limited duration." The seductive effects such a description could have are difficult to resist at a political level.

The current EU report on the "technologies of political control" points to countless historical precursors, which enable a fair evaluation of the juristic, medicinal and human rights dimensions of political control. Some of the most unsavoury examples drawn upon by *The Omega Foundation* in their investigations for the STOA are the research programmes conducted since 1995 by the American *Defence Intelligence Agency* (DIA) that are remnants of older, widely discredited CIA projects from the 1950s, likewise mentioned in the report. The critical studies published by the EU do not portray the

---

<sup>2</sup> Cesare Lombroso, 1835-1909, Veronese professor and criminologist. Inspired by Darwin and natural science at the end of the 19<sup>th</sup> century, Lombroso compiled an index of "features" which facilitate the identification of criminals (meeting of the eyebrows, protusion of the skull in certain places are apparently all telltale characteristics of a gangster). Additionally Lombroso instigated a new era in criminal justice in which therapy was taking the place of punishment by focussing on the "dangerous" instead of sticking to the concept of the "evil".

events in Genoa as an inadvertent escalation of violence, rather as a dystopian example of a hi-tech future gone wrong.

...

AWAKEN:

...

The film *Minority Report* from 2002 (starring Scientology's brightest star, Tom Cruise) offers this vision on the big screen. A new model of crime prevention is proposed: superhuman children who can telepathically communicate with each other whilst in the "immersed ambience" of an alimentary fluid. One look at the film's police agents, armed to the hilt with NLWs, their *vortex ring guns* and iris scanners emits an unambiguous resonance about the ultimate consequences of therapeutic freezing.

In 1950 the way in which natural scientists and engineers viewed the world was shaken by Richard Feynman's lecture *There is Plenty of Room at the Bottom*. From that day on the human race has lived with a new and radical concept of the dimensions of scientific possibilities and with it came a new idea of the frontiers of human life, which could be traversed by science in the name of progress. Size is, and always has been, the biggest obstacle for evolution but "deep below",  $10^{-9}$  metres below to be exact, there is always *plenty of room* to breathe.

Thanks to the ability to inspect the body at an atomic level, the complete decryption of what scientists believe to be the brain's mechanistic makeup no longer poses a problem. The body, seen through "the eyes of a neutron" is considered a loosely knit garb of billions of molecules, if at some stage a stitch is dropped, all that is required is the correct needle to pick it up again. Since the 1950s researchers at the CIA and their colleagues at the DIA have been constantly preoccupied with possible methods of embroidering new stitches into the brains existing pattern. The name of these secret service research projects *Mind Kontrol* (with a 'K'!) leaves little room for speculation.

Not only the more indiscrete projects like *Pandora* have proved themselves as magnets for attention, even the more cryptic of programme titles like *MK Ultra*, *MK Delta* and *Artichoke* were soon to attract notoriety as human experimentation programmes. This research reduces human thinking, in the main, to nothing more than the result of electromagnetic activity, which as the fundamental ideology of the programmes would suggest, is subjected to various forms of influence and control in the shape of transmitters, electrodes and drugs.

REMOTE CONTROL: As a result of the *Mind Kontrol* and other espionage research programmes a veritable zoo of paramilitary mutations has been born over the last five decades.

*Bull:* The Yale professor Jose Delgado, author of the classic *Physical Control of the Mind: Toward a Psychocivilized Society* has become a living legend. In the same year as the publication of his book he performed an extraordinary experiment, which would demonstrate the awesome power of mind control. Armed with nothing more than a black cigar box he stands face to face with a menacing, fully-grown bull, its massive skull tilted forwards ready to attack. The cigar box has two buttons; with one the professor can send FM radio waves to the bull's brain stimulating it to charge. The other sends an electronic charge to an electrode implanted in the bull's brain, which instantaneously reduces it to a docile lapdog. As the doctor finally pushes the second button he is almost caught under the hooves of the stampeding bull. The device, which was financed by the *Office of Naval Research*, has been appropriately coined the *Stimoceiver*. Delgado formulates his thoughts on *psychocivilisation* precisely: "*human beings can be controlled*

*like robots by push-buttons”.*

*Dog: Project Artichoke* saw the metamorphosis of a dog into a bomb for use in the “War on Terror”. A brain wave stimulator provides a means of remote control so that the dog may be guided over several kilometres to a specific target. The operator is able to send a charge to electrodes implanted in the dog’s cerebellum and thus steer the canine bomb towards its target. Once the dog has located the enemy the operator can then remotely detonate the plastic explosives in the dog’s stomach.

*Cat:* Even more perfidious is the transformation of a cat into a reconnaissance device, which was also conducted by the animal-lovers at the CIA in their project *MK Ultra*. In this instance an electronic signal converter is surgically implanted into the cat’s inner ear, this constantly transmits the signals, which the cat’s ear receives. The feline microphone can pick up interesting conversations as long as the speaker is a cat-lover and the cat is able to remain in his proximity.

*Mouse:* The *Osmo Mouse*, the world’s first *cyborg* needs no introduction, it was designed as a prototype pilot for future space exploration not as a weapon. The success of the *Osmo Mouse* has inevitably paved the way for a series of follow-up programmes, which have military applications in sight. NASA commissioned psychiatrists and drug specialists Nathan S. Kline and Manfred E. Clynes to find a way for astronauts to physically and psychologically endure the long periods of motionlessness during the flight time in space. Their proposed solution does not adapt the surrounding environment to the organism rather it does exactly the opposite. Scientists replaced the mouse’s tail with an osmotic pump, which slowly releases small doses of psychopharmaceuticals causing chronic behavioural change. Even fully paralysed the mouse is in high spirits due to the precise dosage of medication.

*Cockroach:* In the middle of the 1990s an international research team headed by Isao Shimoyama of Tokyo’s *Tsukuba University* ventured further along this path. The team developed a microscopic remote controlled robotic surveillance camera the problem of weight and power supply was addressed by mounting the camera under the shell of a cockroach. The Kafkaesque biomachine is naturally equipped with all of the faculties that a robot would have to learn: it instinctively scuttles away when exposed to light, it will naturally find protection in cracks, it can suspend itself from ceilings and has more strength than a robot and a comparably infinite energy reserve. The most significant advantage is that it costs nothing and shortage is not a problem. Shimoyama’s cockroaches are remotely controlled with the aid of transmitters they will react instantly to any command signal. The bugs can, theoretically, carry out their directives in coordination with other “customised” insects of the same species as an absurd ballet of insectile machines. The Japanese government was so enthused that they awarded the team a research “prize” of five million US dollars, a sum, which resembles an investment payout rather than a financial reward.

*Bacteria:* According to an account by *The Sunshine Project* the Pentagon has presented the Department of Justice with three bills, which will legitimise the use of bacteria for “the War on Terror”. These microscopic battalions will engage in low-level combat breaking down the asphalt of Iraqi airport runways or eating up the fuel tanks of Taliban jeeps. However there has been no mention of how the bacteria are then to be contained once they have accomplished their mission. The same is true of the nanotechnologically generated polio viruses successfully completed in 2002.

*Humans:* In 1970 the invention of Rubenstein and Aldrich’s “Schwitzgebel machine” read like something from the pages of Nazi pulp fiction. The two researchers developed a radiotelemetric device that was capable of recording all of the physical and neurological signals emitted by a target situated miles away. Tests proved that fundamental bioelectric behaviour in humans could be directly manipulated, although almost twenty-five years old this experiment has not been forgotten. Sooner or later video footage was

to find its way into the public eye, the tape was the testimony of a patient's devotion to her psychiatrist. The patient in question suffered from a behavioural disorder so the psychiatrist saw it his duty to develop a means of appeasing her suffering. The doctor was able to stimulate a particular part of the patient's brain with an electrode, which instantly transformed her outbreaks of aggression into bouts of tenderness. In 1977, as soon as the *New York Times* reported that experiments with the patient were underway at Canada's *Allan Memorial Institute* the CIA tried to procure all existing research papers of similar projects, which had not yet been disclosed to the public. These cover-up attempts, however, backfired as a quantity of documents about *Mind Kontrol* unexpectedly strayed into public.

SPY: Fans of Orwell's *Room 101* will no doubt be aware that since the summer of 2002 prominent middle-European executives can check in at London Heathrow's express check in counter if they have previously undergone an iris scan. A new breed of patient is voluntarily signing up for the surgical implantation of subcutaneous alarm chips or the installation of minuscule telephone systems in the inner ear. Doctors and political activists alike regard the incorporation of the "electronic tag" as a real-life horror scenario, so much so, that they have been fighting their surgical development for over twenty years. Just one of a thousand examples of perversions of this technology was launched by *Siemens* in the same year. The market had already been primed for the *ID-Mouse*, a metaphorical expansion of the mutant enclosure at the already heavily overpopulated zoo. With the *ID-Mouse* computer networks users have the power to access a server literally *at their fingertips*. A fingerprint enables them to submit their access credentials and to be located by others via computer address or mobile telephone tracking. Far fetched? The information epidemic began years ago, for years already email attachments have incubated "parasitic" information about the sender, which, unbeknown to him, attaches itself to the host and lies dormant until ready to "hatch". Likewise verbal communication, it has long been known that, with aid of encoded calls, any analogue telephone can be used as a microphone without the need of bugging the receiver or the room in which it stands.

It is also a fact of modern-day life that already thousands of people all over the world are consuming so-called "smart drinks", which are alleged to biochemically enhance the brain's capacities and retard the natural ageing process-*Sleeping Beauty* from a test tube. The image of nanotechnology and neurological research as the medicine of the future, as the gift of science and salvation in times of a frightening evolutionary standstill would appear, for the most part, to be a misconception. The Trojan horse of tomorrow will be built from "atomic Lego", a neatly packed *gift* in its truest Germanic sense.

...

© Olaf Arndt, Berlin, June 2003

revised and translated into English by Elliot Perkins and Christine Sauter, Octobre 2003

to be continued:

pt. 2: The Technologies of Deception. "directed energy weapons" and the strategies of reigning public space (ready in March 2004)

pt. 3: The invisible Government. Biotechnology, population specific weapons and the internal correction of behaviour