

## Advanced Technology & Darpa

Technology is developing rapidly. Buck Rogers isn't a far off place anymore. In some cases, Buck Rogers-like technology is transpiring in our time in 2010. Barack Obama nominated the AI pioneer as the Pentagon's Director of Defense Research and Engineering. His name is Zachary Lemnios. Barack Obama himself likes to discuss issues about innovation in technological revolution. Zachary help to create DARPA's IPTO to spearhead the AI you witness in the movies. **DARPA helped to create the Internet in the late 1960's. The Internet transformed how information is shown, presented, stored, and read in an incalculable and revolutionary fashion. Today, the government wants transhumanism and nanotechnology to be advanced greatly. The life extension proposals and transhumanism is nothing more than the 21st century version of the promotion of human godhood or human immortality (which is one of the secret, occult doctrines of the Secret Societies plus the Mystery Schools of old).** Technology have advanced in a rapid way to know human brain waves, voice recognition, and other nano-bio-info-cogno- convergence or NBIC. This transhumanist/mystic doctrine is found even in cartoon shows. One example is the "Justice League Unlimited" cartoon, which is one of the throwback cartoons that are modernized in the 21st century. The series is about superheroes (like **Batman, Superman, Wonder woman, Flash, and other characters from DC Comics**) trying to protect the Earth from aliens and other entities. One episode of it is called "The Return." It's about a nanotechnological based android being coming to Earth to settle an old score with the criminal mastermind Lex Luther. The android acts like a godlike being and asks Luther about the purpose of his existence. The android knows about knowledge, he can destroy planets, communicate, have telepathy, and absorb attacks from superheroes. **The android later works with one of the superheroes to find his quest for life. This superhero or mystic has the ankh logo in his powers. The ankh represents reproduction and eternal life, thereby the android has eternal life. Some believe that the end scene depicts a Masonic "point within a circle" symbol.** According to the Mason Albert Mackey, the point in the circle represents the Universe and the solar orb (including the phallic in the circle or female reproduction organ). Mackey also describes this symbol as meaning the following:

"...Everybody who has read a Masonic "Monitor" is well acquainted with the usual explanation of this symbol. We are told that the point represents an individual brother, the circle the boundary line of his duty to God and man, and the two perpendicular parallel lines the patron saints of the order—St. John the Baptist and St. John the Evangelist...All the deities of pagan antiquity, however numerous they may be, can always be reduced to the two different forms of the generative principle—the active, or male, and the passive, or female. Hence the gods were always arranged in pairs, as Jupiter and Juno, Bacchus and Venus, Osiris and Isis. But the ancients went farther. Believing that the procreative and productive powers of nature might be conceived to exist in the same individual, they made the older of their deities hermaphrodite, and used the term ἀρρενοθέλυς, or man-virgin, to denote the union of the two sexes in the same divine person")..."



Transhumanism is a secret goal of **the global elite** indeed. Movies and even cartoons discuss about the quest of mere men trying to have godhood, which is a fundamental impossibility. **The vision of Google's future, according to Google co-founder, Sergey Brin, is "it would be like the mind of God."** **The Law of Accelerating Returns or LoAR** states that in 10 years computer power would exponentially increase over 1,500 times, while data storage would be even greater. This explains huge advances like quantum processors and optical circuits.

Now, the point in the circle representing generation is found by Mackey's research. This symbol is found in the Washington Monument and Vatican's St. Peter's Square (if you look at it from above).

The 2012 paranoia is a means where the elite want to seriously get much of their goals accomplished. That is why DARPA and NASA want their secret AI programs to be online by 2012 (with invasive brain computer interfaces). Transhumanism mixed with a technological transformation of people is a key threat among humans who love individuality. *There are even new laser guns and pain rays. There are US acoustical cannons, pain beams mounted on Humvee trucks, and laser beam optical stun rifles. The Halting and Stimulation Response (PHASR) is a non-lethal laser rifle that can dazzle people without causing permanent harm. It was formed by the Air Force Research Laboratory in New Mexico, US. 2 prototypes were delivered to military bases in Texas plus Virginia for further testing. Similar weapons have been used in Iraq and protests across America even (as early as 2004). Elitists like Brzezinski called for a more technocratic society:*

"....The technetronic era involves the gradual appearance of a more controlled society. Such a society would be dominated by an elite, unrestrained by traditional values...Soon it will be possible to assert almost continuous surveillance over every citizen and maintain up to date complete files containing even the most personal information about the citizen..."

**-Elitist Zbigniew Brzezinski, "Between Two Ages" 1970, pgs. 72, 83.  
This is Never the End, Only a New Beginning**

2010 is here and this isn't the end of me. Still, the RAND Corporation wants a militarized society. The RAND Corporation is of course one of the research arms of the military industrial complex. It released a study entitled, "[A Stability Police Force for the United States: Justification and Creating U.S. Capabilities](#)." In it, they propose the existence of SPFOR. This is an acronym for a hybrid military/law enforcement unit created in America. It's proposed to be created within the U.S. Marshalls or the USMS. **The Rand Corporation want it to be used in "in a range of tasks such as crowd and riot control, special weapons and tactics (SWAT), and investigations of organized criminal groups" — both abroad, in UN-directed multilateral military operations, and at home, as dictated by the needs of the Regime.** The SPOR's size is initially 2,000-6,000 personnel, but it can increase its size with additional federal, state, and local police from the USA as necessary. The RAND Study wants the SPOF to avoid conflicts with the Posse Comitatus Act by recommending using the Marshals Service rather than the U.S. Army's Military Police as a host for SPFOR. This RAND Study was conducted for the U.S. Army's Peacekeeping and Stability Operations Institute. The Posse Comitatus Act forbids the domestic use of the military as a law enforcement body. The RAND Corporation wants this hybrid unit to supplant shortages in local police agencies. Yet, this proposal is really forcing a military internal security force in America. Building the SPFOR within the Marshalls Service according to the RAND Corporation document would place it where its members can develop the needed skills under the hybrid staffing option," summarizes the document: "Furthermore, the USMS has the broadest law enforcement mandate of any U.S. law enforcement agency.... [This model] provides significant domestic policing and homeland security benefits by providing thousands of additional police officers across the United States." **Back in 1961, the U.S. Government produced a document entitled "Freedom From War" that envisioned the creation of a globe-spanning United Nations "Peace Force" that would work in collaboration with a militarized "internal security" force in each country. Since that time, critics of the UN have anticipated the day when foreign "peacekeepers" would be assigned to police American streets and, if necessary, confiscate privately owned firearms. If a militarized police force does exist in the fashion RAND desires, they could be commanded by D.C. not by the U.N. Well, it's time to say goodbye to 2009 and welcome 2010, which is a new year and a new decade. It's a new era in my life.**

DARPA is seeking a new program called "Precision Electronic Warfare." U.S. military researchers want small, low power transmitter boxes. These boxes can perform surgical jamming of digital signals. It can shut down cell phones and sat nav receivers within an area on the order of the city block corner. This initiative is called the PREW or the Precision Electronic Warfare. DARPA believes that the hardware of PREW would consist of an array consisting of multiple airborne and ground nodes (which are robust, low cost, small size, weight and power distributed platforms. Each PREW node has an accurate clock synchronized with those aboard its fellows, perhaps one of the tiny ones developed for the [Chip-Scale Atomic Clocks](#) program, and would probably be able to communicate with them as well. It would also have "localization" - ie a good idea of its location, presumably from GPS sat nav or some similar tech. So, DARPA has been involved in trying to advance technology that can lock into cell phones and hold up within a bubble of jamming no matter how you moved about. DARPA has worked with Homeland Security to develop cameras nationwide to monitor citizens.

Many science fiction writers are humanists or even atheists. Some view a god or a force as existing without mentioning Almighty God. **Carl Sagan is a famous atheist who wrote his sci-fi novel called "Contact."** He said that there is no compelling evidence that God exists, which is false since he hasn't look at all evidence in the Universe to refute God's existence completely at all. He mocks Jesus Christ dying on the cross for redemption and praises the highly intelligence scientist of Albert Einstein. Even Isaac Asimov said that he's an emotional atheist in a 1982 interview as found in the Spring edition of Free Inquiry Magazine, pg. 9 with Paul Kurtz. Robert Heinlein is a leading science fiction author who promoted free sex and wrote book **entitled "Stranger in a Strange Land."** That book was apart of the pro-hippie movement. He was a nudist who did polyandry (or relationships with numerous people in some cases randomly via orgies to put it lightly). Even Author Clarke didn't believe in God and he followed evolutionary pantheism (he wrote many sci-fi works like 2001: A Space Odyssey). He didn't want any religious rites relating to any religion in his funeral. Consider KURT VONNEGUT. He was an atheist, and as an honorary president of the American Humanist Association he subscribed to its code which "does not accept supernatural views of reality." **Of Gene Roddenbery, he supported agnosticism and he was a humanism. He mocked all religions as having mythology. Much of science fiction is based on Darwinian Evolution.** Sagan and Asimov advance evolutionary thoughts in their precepts and literature. The world view of evolution and New Age thought flourish today in the 21st century. Evolutionary thoughts denies an active Almighty Creator God, so this is why I still believe in God. Something X Something = Something. Something that doesn't exist is unable to create a new entity or concept by itself at all. There is a All Powerful Being creating the Universe as the cause of existence. Nothing can't exist from nothing. **Logical absolutes exist in the Universe being not dependent on the material world. They reflect a perfect Mind & logic (since logical absolutes have to have an origin) and the Perfect Mind is God. Logic is a representation of mechanism to defend concepts. All of the evidence in the world haven't been**

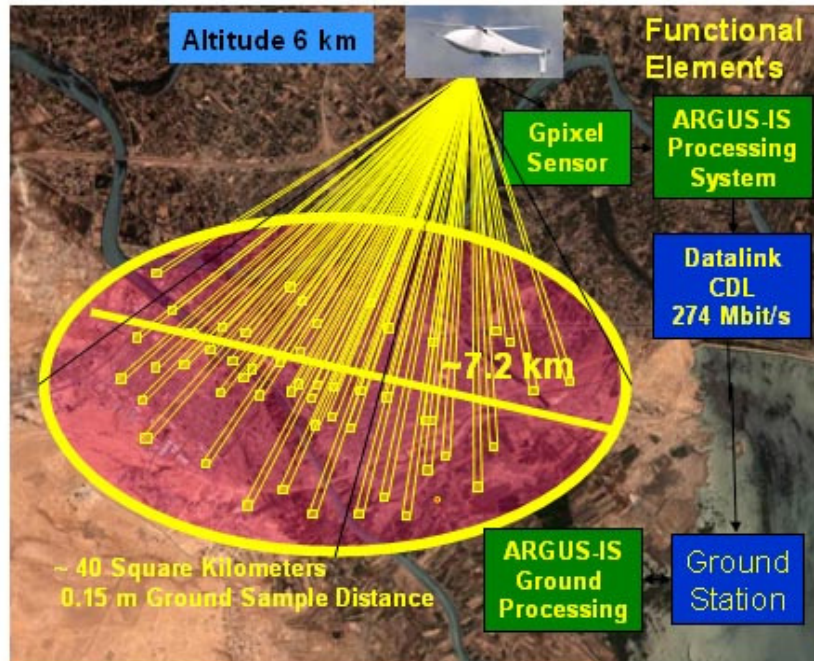


**researched or learned to disapprove God's existence since even if a kernel of evidence proves God's existence, then atheism falls apart.** Atheists like Richard Dawkins and John Lennon criticize Bible believers for exercising "blind faith," but in reality it is their "faith" that is utterly blind. Biblical faith is based upon many infallible proofs (Acts 1:3), such as the Bible's prophecies and Christ's resurrection. It is not called "faith" because it is blind, but because it believes in things that are presently unseen. It "...is the substance of things hoped for, the evidence of things not seen..." (Hebrews 11:1).

Biomedicine have existed in the past few years as well. People have found the genetic cause of diseases because scientists have found 40 or more genomes being sequenced. Scientists have even sequenced the genomes of the number of cancers comparing that sequence to patients' normal genome to find the genetic mistakes that might have caused the cells to become cancerous and to metastasize. They are doing this to target these diseases, so new treatment in cancer can exist. Scientists have found the first drug that deals with extending lifespan in mammals (via aging mice). **Rampaycin is an antifungal drug currently used to prevent rejection of organ transplants, was found to boost longevity 9 to 13 percent even when it was given to mice that were the mouse equivalent of 60 years old. Previously, genetic engineering and caloric restriction (This involves a nutritionally complete, yet very low-calorie diet) were the only methods proven to extend lifespan in mammals.** The drug isn't meant for humans, because of its strong immunosuppressant effect. Yet, researchers that disrupting part of the same signaling pathway has similar life-extending benefits Mice with the relevant protein disabled showed superior motor skills, stronger bones, and better insulin sensitivity when they reached mouse middle age. Female mice lived about 20 percent longer than their unaltered counterparts. But male mice, while healthy, didn't have longer life spans. (In comparison, caloric restriction boosts longevity by about 50 percent.) Scientists now aim to develop drugs that target this pathway, which is thought to act as a kind of gauge for the amount of food available in the environment.

There has been advances on human brain interfaces with human beings. Researchers are using now brain-computer interfaces on human beings. They desire to treat diseases like Parkinson's and Alzheimer's. They are used to institute therapy for depression and post-traumatic stress disorder. **There is work to make people to speak with friends telepathically, give superhuman hearing, and vision for even letting you download data directly into your brain similar to the "Matrix."** "We don't know what the limits are yet," says Melody Moore Jackson, director of Georgia Tech University's **BrainLab**. Emory University neuroscience professor Michael Crutcher said that anything is possible. This is apart of the BCI or Brain computer interfaces. The electrodes can be placed on the scalp or in the brain (which is intrusive). In the future these instruments can cost a few hundred dollars instead of those of thousands. Some fear that exploiting this technology can make a computer enhanced elite. Also, people can abuse human minds to make someone brainwashed. Games like Mindflex and the Star Wars Force Trainer use headsets with simple electrodes to monitor levels of concentration and relaxation. The

signals trigger a fan that can move a ball up or down, depending on how hard you're thinking. Jackson calls it a "fascinating application of a very sophisticated technology in a very cheap package."



There is a New Army camera promises super-wide surveillance. The Army is close in developing real time surveillance of areas. The Army launched in 2009 its 2.3bgigapixel camera. It can be packaged aboard a drone or a manned aircraft. This new device would be smaller and lighter than previous system and it would work in the infrared range too. So, airborne surveillance is more fast. There has been the 66 mega pixel Angel Fire and the 39 mega pixel BuckEye sensors being used in operations. Gorgon Stare is being flight tested as well. DARPA's [Autonomous Real-time Ground Ubiquitous Surveillance - Imaging System](#) (ARGUS-IS ), a 1.8 gigapixel flying eye which will be mounted in a 500-pound pod carried by a Predator or A160 Hummingbird robocopter. It has an advanced camera that can track people on foot over many miles. It can be a real time moving target indicator for vehicles throughout the entire field of view in real time. The Army wants a 2.3 gig pixel camera that can run at 2 frames a second. It can have continuous coverage of a place in about 62 square miles at 0.3m resolution with just one sensor. This is better than the resolution of Angel Fire. Technology is more fast and the Army wants proposals for advanced imagery systems. The ARGUS-IR camera system works in medium and long infra-red. It will be upgraded to have 400 mega pixels. It can see warm objects like people in pitch darkness though some type of cover. This new technology have been used in the Iraq War.



The Pentagon wants to launch an entire fleet of giant 450 ft. long airships that can act as a massive airborne radar system. This can provide perpetual surveillance of vehicles, planes, and people on the ground. The Pentagon said on Thursday that it intends to spend \$400 million to develop a giant dirigible that will operate on hydrogen fuel cells and solar panels, floating 65,000 feet above the Earth for 10 years, reports the [LA Times](#). These designs appear to be very futuristic. The airships are about 20 times larger than the Goodyear Blimp and they give ground operators the power of monitoring an area hundreds of miles in diameter at a time with surveillance equipment (**with high high-resolution cameras, in addition to the football-field-sized radar antenna**). They are huge, but these airships are invisible to the naked eye and ground radar. The reason is that they are hovering 12 miles above the ground being in a high distance from the ground. This craft can operate beyond range of any hand held missile, many **surface to air** missiles, and fighter plans. **The airship, named ISIS ( [Integrated Sensor Is the Structure](#)), no doubt named after the [Ancient Egyptian goddess](#), is being developed under an agreement between the Air Force and DARPA, which is the Pentagon's semi-secret research arm. A uninterrupted, constant surveillance device is a description of the ship that was made by chief scientist for the Air Force named Werner J. A. Dahm. "When you only have a short-time view — whether it is a few hours or a few days — that is not enough to put the picture together." Dahm said. The Pentagon wants this project to be used in urban battlegrounds overseas. This is similar to DARPA's "Combat Zones that See" project. A similar program known as [WALRUS](#) was effectively killed off by Congress in 2006. However, the ISIS program has been floating around (pun intended) since 2004. DARPA's Paul Benda said at a conference in March of 2004 that the ISIS project can look at people coming from buildings plus follow them. There were reports in 2006 that the project resurfaced as DARPA courted defense contractors Raytheon, Lockheed Martin and Northrop Grumman to develop the airships. [The Air Force has signed an agreement with DARPA to develop a demonstration dirigible by 2014](#). The lesson here is that technology can have good uses and bad uses. We should protect our privacy from the military industrial complex, who want to monitor our whole lives as well.**



DARPA is developing military equipment that can self repair itself in the face of shutdown attempt. It can learn and develop its capabilities. These might be apart of the next generation of robotic weaponry. It's called Armed Robotic Vehicle, Assault, Light (ARV-A-L). **The SRS or self-regenerating system is the brainchild of the Pentagon's DARPA. So, the SRS want to build military computing systems even if they are damaged before via unintentional errors or attacks.** The SRS can develop technologies to allow military system to learn, regenerate themselves, and improve their ability to deliver critical services. DARPA has other military robotic weapons too. There are robot kill-choppers and crewless tanks of the Future Combat Systems force, for instance, or the new "Predator" missile-packing unmanned hunter-killer planes which need no human piloting even by remote. So, the future is here now. The SRS related robotic machine is found in the image above.

According to Chapter 4 of Information Operations: A New War-Fighting Capability contained in Volume 3 of Air Force 2025: Final Report by the U.S. Department of Defense at 1996: **"[By 2025]: The civilian populace will likely accept an implanted microscopic chips that allow military members to defend vital national interests "** (From [www.geocities.com/vonchloride](http://www.geocities.com/vonchloride)) The U.S. Department of Defense used this study on June 17th, 1996 to identify technologies and practices that will be needed by 2025 in order for the U.S.A. to "remain the dominant air and space force in the 21st century."

The report explicitly uses the term “brain chip” for the implantable microchips to perform a number of functions like satellite tracking at all times, personal information storage and retrieval, and behavior modification, among other things. You can find the exact plan from:

<http://www.au.af.mil/au/2025/volume3/chap02/v3c2-4.htm>

or in PDF format:

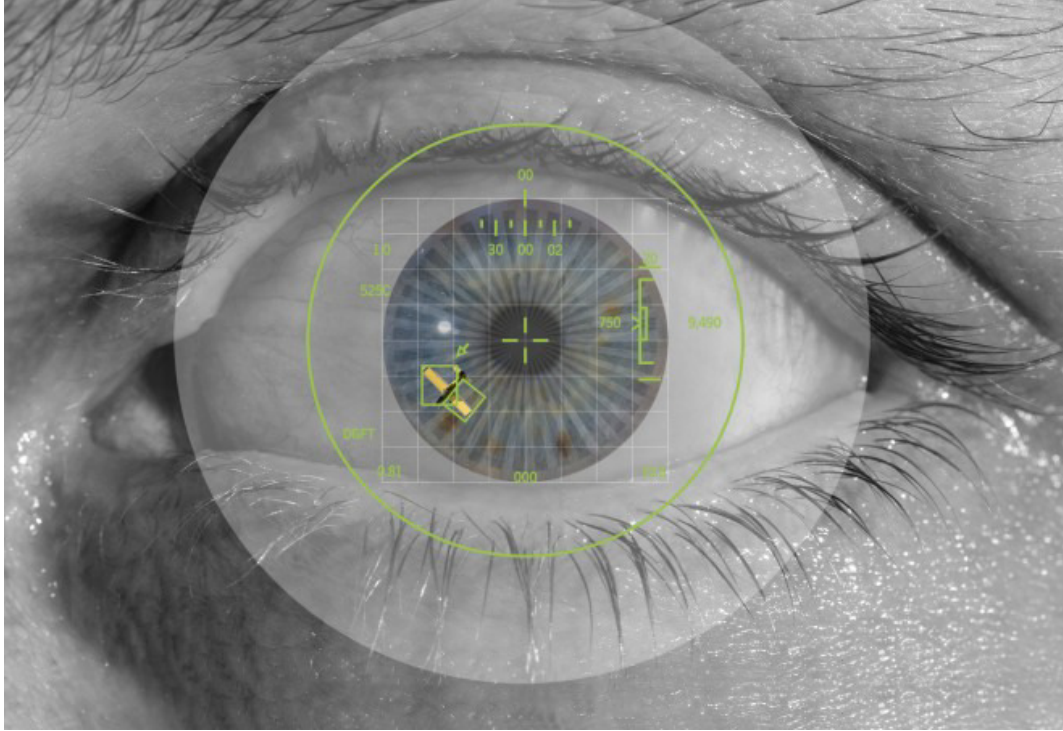
<http://www.au.af.mil/au/2025/volume3/chap02/vol3ch02.pdf>

the Federation of American Scientists has this report mirrored on their website as well:

<http://www.fas.org/spp/military/docops/usaf/2025/v3c2/v3c2-4.htm>

\*It's easily proven that technology can be used for good and evil purposes. Some technocrats like proponents of Zeitgeist want the same goal of a global government, the existence of a society similar to the pro-eugenicist/Transhumanist Venus Project, a cashless society (That didn't work in Communist nations), robotics to handle a huge part of labor, the elimination of private property, population control, and an Utopian agenda.



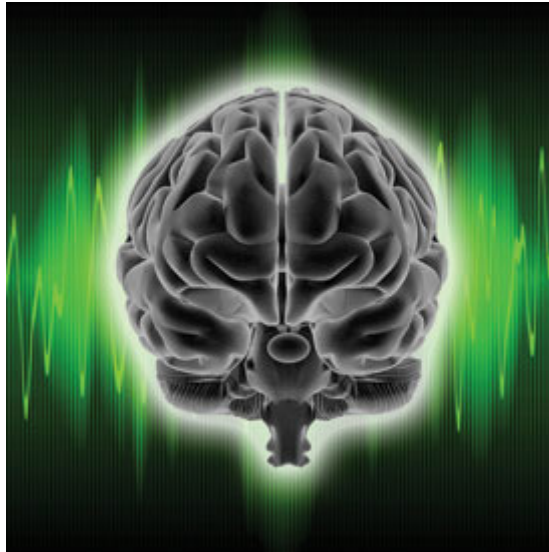


The slickness & perverted sickness of the Big Brother oppressive state is common place for decades in Western society. Under the guise of technological development, many elites use slick devices in order to further control the people (in many cases via illegitimate means plus procedures. Examples include X-Rays in airports, sound weapons utilized in the vicinity of even innocent protesters, and random searches being **anti-Fourth Amendment** across NYC). There is nothing wrong with good technology that can benefit the human race. Yet, technology shouldn't be exploited to harm the fabric of individual liberty either.

There are high tech security cameras too. There are Pentagon funded researchers funding mini cameras that can attempt to stop "Threats" by hunting down plus scanning people's eyeball. These electrical engineers (from Southern Methodist University, who are led by Professor Marc Christensen) first created the cameras with funding from DARPA. DARPA is the Pentagon's research agency. These devices were called Pantoptes. It use low resolution sensors to form a high res image that can be captured using lightweight, ultra slim camera. They don't use a lens, so the cameras were originally designed for a miniature drone sensors and troop helmet cameras. The Pentagon later gave the SMU another 1.6 million dollars to merge the cameras with active illumination and handheld Pico projection devices. Photos captured on small devices can be transformed for large format viewing. This technology can allow the lens of the device to do more. Christensen said that: "...This platform is really just the base, upon which we'll focus on different applications...Now, we're enhancing resolution even more, so the images are a 3-D map with even better, more accurate details..." The 3-D image can look in caves and dark urban

areas. Smart-Iris is another Panoptes instrument. This can look into the iris. It can have a full frontal scan (and it eliminate problems like glare, eyelashes, and dim lighting). It can zero in on the face easily. New algorithms are being created by Etter and colleagues to identify individuals based on segments of their iris rather than a full frontal scan. Christensen called this instrument as the cell phone of the future. He wants to see the photograph of the page of a book down to the smallest lettering or detect counterfeit cash by picking up the texture of a \$20 bill.

There was the HULC. This stands for Human Universal Load Carrier. It's a backpack and a pair of leg braces. The HULC tries by transferring the weight of the load down into the hydraulic leg braces. This allows the wearer to carry up to 200 lbs. across rough terrain with minimal human exertion. HULC will be assessed by researchers at the Natick Soldier Center, which is found in Natick Massachusetts. People want to see how it affects a soldier's performance and how much energy the wearer uses while using it.

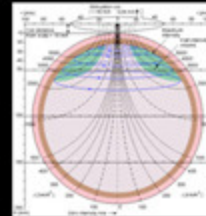


## Limitations with State of the Art Brain Stimulation Methods

### Invasive

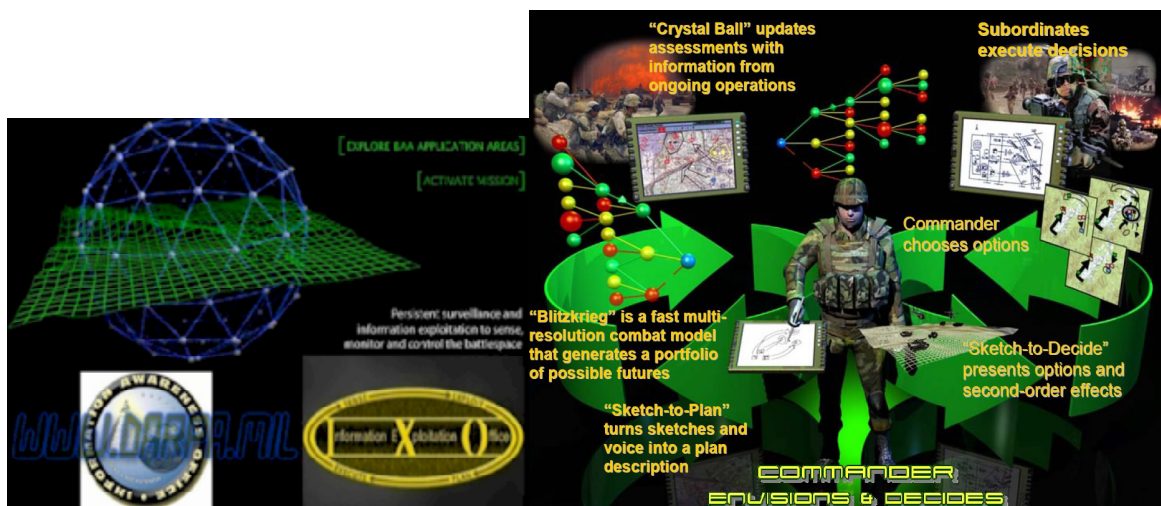


### Low Spatial Resolution (~ 1 cm)



DARPA wants to install transcranial ultrasonic mind control devices in soldiers' helmets. These devices are meant to allow soldiers to stimulate certain regions of their brains. It's a Buck Rogers type of proposal. DARPA has been trying to crawl inside the minds of soldiers for a while now. A new ultrasound technology could let them get deeper inside than ever. Working under a DARPA grant, which is a researcher at Arizona State is developing transcranial pulsed ultrasound technology. This could be placed in troops' battle helmets, allowing soldiers to manipulate brain functions to boost alertness, relieve stress, or even reduce the effects of traumatic brain injury. Manipulating the brain to enhance war fighting capabilities and maintain mental acuity on the battlefield has long been a topic of interest for DARPA and various military labs. The technology to do so remains limited. Deep brain stimulation (or DBS) requires surgically implanted electrodes to stimulate neural tissues. There is less invasive methods like transcranial magnetic stimulation (or TMS) possess limited reach and low spatial resolution. Dr. William J. Tyler is an assistant professor of life sciences at ASU. He wrote at the DoD's "Armed with Science" blog the following words: "...“To overcome the above limitations, my laboratory has engineered a novel technology which implements transcranial pulsed ultrasound to remotely and directly

stimulate brain circuits without requiring surgery. Further, we have shown this ultrasonic neuromodulation approach confers a spatial resolution approximately five times greater than TMS and can exert its effects upon subcortical brain circuits deep within the brain.” This is a development from previously quaint instruments. Tyler's technology is packaged in a war fighter's helmet. It can allow soldiers to flip a switch to stimulate different regions of the brains. It can help them relieve battle stress when it's time to get some rest. It can even boost alertness during long periods without sleep. Grunts could even relieve pain from injuries or wounds without resorting to pharmaceutical drugs. More importantly, in the periods after brain trauma ultrasound technology could reduce swelling and metabolic damage that is often the root cause of lasting brain damage. With this technology, a new world comes alive.



## A.I. or Artificial Intelligence

Artificial Intelligence has been a goal of numerous technocrats and a myriad of scientific experts. There is nothing new under the sun of course, so the concept of artificial intelligence transpired in world history for thousands of years. There were the golden robots of Hephaestus and Pygmalion's Galatea as found in Greek mythology. Yan Shi built humanoid automatons. Modern AI research started in the summer of 1956 in Dartmouth College. Today in 2010, artificial intelligence is used for logistics, data mining, medical diagnosis, and other arenas. Some A.I. anchors engineers are trying to create an entire newsroom operation using artificial intelligence. They even want avatars to anchors the evening news. There is the Internet Age with broadcasting journalism doing down.

Now, some in that broadcast journalist crowd desire to use advance technology to express their own words. **So, the engineers at Northwestern University have created virtual newscasts that use artificial intelligence to collect stories, produce graphics, and even anchor broadcasts via avatars. This project is called “News at Seven.”** It goes beyond just shows news stories that are presented in the web. This AI system can formulate opinionated content like movie reviews or pull the most relevant facts from a box score to pen a hometown sports story. The AI is even learning to crack wise, injecting humor into reports. AI technology have increased rapidly in other avenues as well. DARPA have developed artificial intelligence technology for years. They have made the iXo Artificial Intelligence control grid. That means that DARPA promotes nanotechnology, biotechnology, space weapons, NBIC, A.I., etc. for the purposes of warfare and control in society. Google co-founder Sergei Brin support artificial intelligence as well by saying his annual “Founders’ Letter” that: “...While I am proud of what has been accomplished in search over the past decade, there are important areas in which I wish we had made more progress. **Perfect search requires human-level artificial intelligence, which many of us believe is still quite distant.** However, I think it will soon be possible to have a search engine that “understands” more of the queries and documents than we do today...” Later, Brin outlines the technological advancements of Google.



## Teleportation

Once, you cant conceive of teleportation. They were only in existence from the movies, but today in the 21st century, its real. **A Wired News article on September 28, 2001 by Noah Shachtman. In it, it says that scientists are using devices to spread atoms and other particles from one location to another. Humans may not be teleported from place to place yet, but this is a**



**new development in the technological advancement of society today.**

Another BBC article from August 18, 2004 written by Paul Rincon called Teleportation goes long distance has extra news. It mentioned that: Physicists have carried out successful teleportation with particles of light over a distance of 600m across the River Danube in Austria. Long distance teleportation is crucial if dreams of super fast quantum computing are to be realized. When physicists say "teleportation", they are describing the transfer of key properties from one particle to another without a physical link. The team has published its findings in the academic journal Nature. **"...The really interesting question for us was whether we could do this outside a lab setting..."** is a quote said by Rupert Ursin, from the University of Vienna. Researchers from the University of Vienna and the Austrian Academy of Science used an 800m-long optical fiber fed through a public sewer system tunnel to connect labs on opposite sides of the River Danube. The link establishes a channel between the labs, dubbed Alice and Bob. This enables the properties, or "quantum states", of light particles to be transferred between the sender (Alice) and the receiver (Bob). In the computers of tomorrow, this information would form the qubits (the quantum form of the digital bits 1 and 0) of data processing through the machines. **The Austrian team encoded their qubits using a property of light particles, also called photons, known as polarization. This property describes the direction in which they oscillate.** Quantum teleportation relies on an aspect of physics known as "entanglement", whereby the properties of two particles can be tied together even when they are far apart. Einstein called it "spooky action at a distance."





## 3-D Television

From the early 1900's, television has been a staple in American society. Television like technology has been focused on good things and has been exploited to create evil as well. Once relegated to movie theatres, the 3-D Television system is going into homes in this year of 2010. Sony and Phasomic want to release their home 3-D television systems in 2010. Mitsubhishi and JVC are reported to be working on similar products. ESPN tested such 3-D television system before. This system via 3-D classes can make football players appear to jump out of home television broadcasts. Some like it for sports and not for news shows like information presented in CNN. Sturgeon, of [HDTV Magazine](#), said JVC is

working on a type of 3-D technology that's different from the strobing glasses used by Panasonic and Sony. JVC's version uses polarized glasses to separate the right-eye image from the left-eye image and is more pleasing to the eye, he said. Blu-ray is working on a product that play 3-D movies at home. Perry, of Panasonic, said he expects 3-D TV to be common in homes within five to 10 years. Technology that will make 3-D TV possible without glasses should be ready in 10 to 15 years, he said. 3-D television among home viewers could be a futuristic advancement of technology.



When did HD TV start? It had a long history. High definition had been called a series of television system even in the late 1930's. There weren't advanced as TVs today, but earlier mechanical system had as little as 30 lines of resolutions. Britain had high definition TV service trials in August 1936 and a regular service in November 1936. They used both the mechanical Baird 240 line and the electronic Marconi EMI 405 (377i) systems. France had their systems in the 1940's. Color broadcasts started at similarly higher resolutions, first with the US' NTSC color system in 1953, which was compatible with the earlier B&W systems and therefore had the same 525 lines (480i) of resolution. In the early 2000s, the 525 line NTSC (and PAL-M) systems as well as the European 625 line (576i) broadcasts. In Australia, the 625-line digital progressive system (with 576 active lines) is officially recognized as high definition. Japan in 1969 formed the first developed consumer high definition television with a 5:3 aspect ratio. This is a slightly wider screen format than the usual 4:3 standard. The was the MUSE system of Japan. In 1981, the MUSE system was demonstrated in America with the same 5:3 aspect ratio as the Japanese system. Reagan saw it and wanted as apart of national interest to introduce HDTV to the USA. HDTV technology came about in America in the 1990's by the Digital HDTV Alliance, a group of television companies, and MIT. August 14, 1994 was when the field testing came of HDTV. It was show first in a public broadcast system when it was shown in July 23, 1996 (on Raleigh, North Carolina television station WRAL-HD. HD-TV is common in America, but it's still extremely expensive to own. Movies in HD DVD are 6

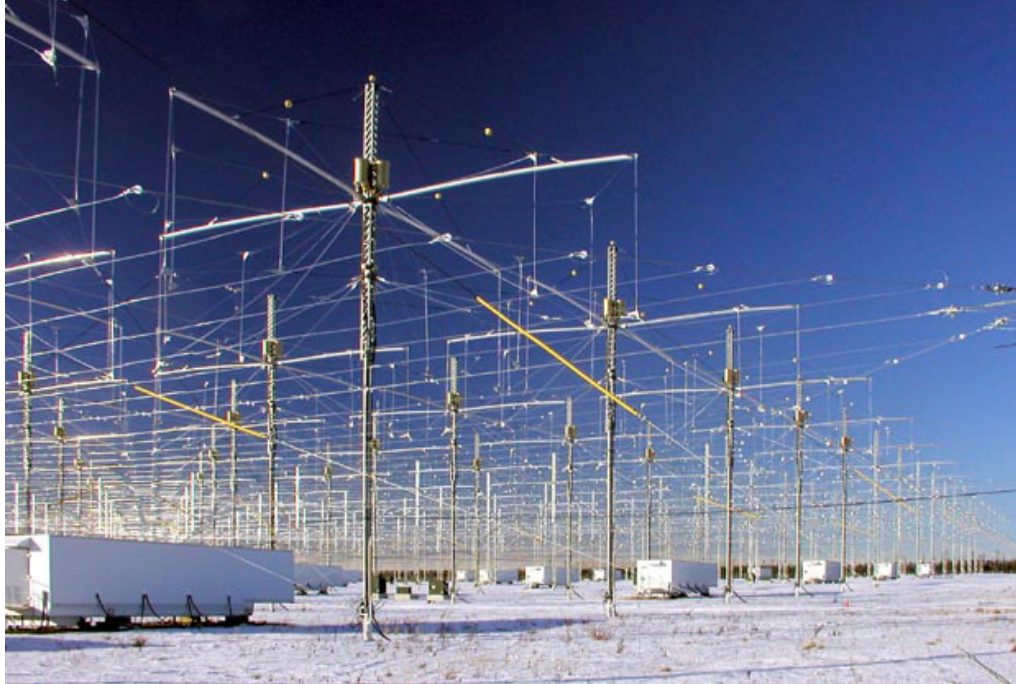
times sharper image wise than a typical DVD system. It has great resolution. There is blu ray disk as well with better sound.



## The I-Pad

The I Pad came out in early 2010. Some view it as a technological leap from the I-Phone. This was created by Apple. It's way to see emails, photos, newspapers, and videos on an advanced machine. It has built in apps. The device has a multi-touch large screen. You can see web pages on it in high definition with vibrant color plus sharp text. The image according to Apple can be readable. You can use your finger to look at a webpage or zoom in or zoom out on a photo. The photos look crisp on the I Pad as well. They have HD Youtube videos as well. The iBook app can be a means to read and buy books ranging from the classics to modern best sellers in the world. It has high-resolution, LED backlit screen displays everything in sharp, rich color, and it's easy to read even in low light. The I Pad can display high resolution satellite street view images and maps.





## HAARP or the High Frequency Active Auroral Research Program

HAARP is based in Gakona, Alaska. According to their own site, they do have high power, high frequency (HF), and ionosphere Research Instrument or IRI used to stimulate well defined volumes of the ionosphere, UHF (ultra-high frequency), ISR (**incoherent scatter radar**), used to measure electron densities, ion temperatures, electron, and Doppler velocities in the natural ionosphere. The HAARP system is a reversal of a radio telescope antenna sending out signals instead of receiving. Its the test run of a super-powerful radio wave beaming technology-lifting areas of the ionosphere by focusing a beam and heating those areas. **What's the problem with HAARP?** Its one of the new intrusions by the U.S. government to the people using once again Nikola Tesla's technology to boil or zap the upper atmosphere (ionosphere). **[The ionosphere is an electrically-charge sphere, which surrounds the Earths upper atmosphere and ranges between 40 to 60 miles above the surface of the Earth.]** According to Bernard J. Eastland, the technology can disrupt airplanes and missiles guidance system, interfere with communications, put unprecedented amounts of power in the Earths atmosphere as well, and has the potential for extreme weather modification. HAARP became a patent by June 1994 originally controlled by ARCO Power Technologies Incorporated (APTI), a subsidiary of Atlantic Richfield Company of the biggest oil companies in the world. APTI was the contractor that bail to the HAARP facility and ARCO sold this subsidiary,



the patients, and the second phase construction contract to E-Systems in June 1994. E-System is one of the most powerful defense contractors in the world with the CIA, defense, intelligence organizations, black projects, and others. Bernard J. Eastland has the U.S. Patent # 4,686,605 Method and Apparatus for Alternating a Region in the Earth's Atmosphere.

There has been rumors that HAARP is blamed on the January 9 quake in Eureka, California and the 7.8 magnitude quake in China (that had killed almost 90,000 people in 2008). Former U.S. Defense Secretary William Cohen admitted that "terrorists" can set up earthquakes, alter climates, set off volcanoes using electromagnetic waves remotely. He wanted to intensify his counterterrorism efforts back then. Cohen was talking about [longitudinal EM wave interferometers](#) (LWI) technology (also known as "Tesla howitzers"). LWI waves can effortlessly [pass through the ocean and earth](#). Experts claim LWI waves can in fact pass through the earth and emerge on the other side. The United States and Russia have [possessed this technology for decades](#). Cohen use of terrorists using this technology is interesting since there are different forms of terrorism. Some people in government (not all) are terrorists.



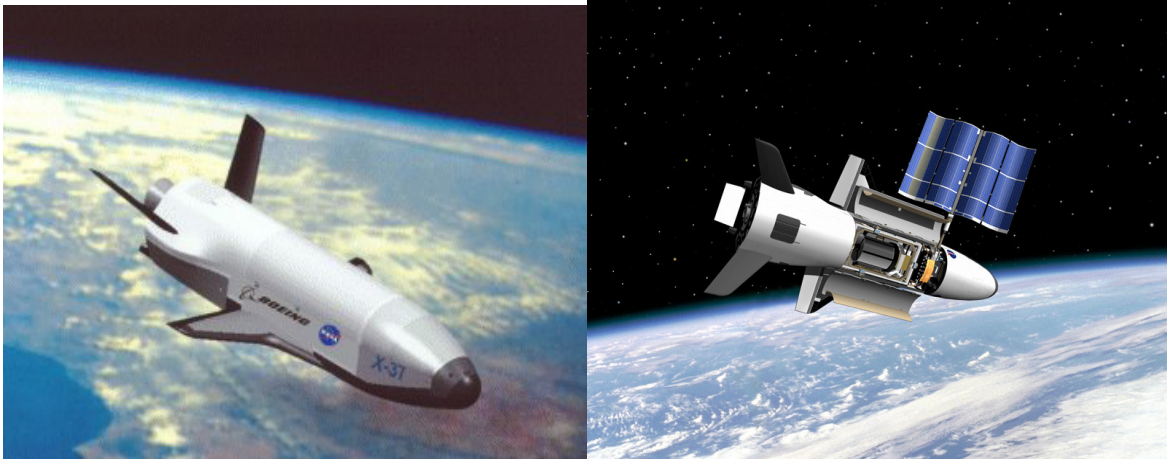
Even Elizabeth Rauscher, a Ph.D. with a great career in high-energy physics and published excellent science journals and books commented on HAARP that: “..You’re pumping tremendous energy into an extremely dedicate substance using too much damage to the ionosphere like HAARP has a high risk for it to pope and become destroyed...” More concerns are expressed by David Yarrow of Albany, New York, is a researcher with a background in electronics. He said that the interactions of HAARP radiations with the ionosphere and Earths magnetic grid will lead the HAARP will burn holes in the ionosphere. **That is a dangerous understatement of what HAARPs giant gigawatt beam will do. Earths axial spin means that HAARP in a burst lasting more than a few minutes will slice through the ionosphere like a microwave knife. This produces not a hole, but a long tear an incision.** Professor Gordon J. F. MacDonald was the associate director of the Institute of Geophysical and Planetary Physics at the University of California in Los Angeles, California. He was a member of the President's Science Advisory Committee. In 1966, he published papers on the use of environmental control technologies for military purposes. Other purposes of this technology are about earthquake engineering, weather manipulation, climate modification, polar ice cap melting or destabilization, and ozone depletion techniques. This gave ideas for the government to create such weapons. **In fact, the U.S. government secretly used HAARP-like technology in the early 1960s.** “The revealed secrets surprised legislators,” writes [Dr. Nick Begich](#). “Would an inquiry into the state of the art of electromagnetic manipulation surprise lawmakers today? They may find out that technologies developed out of the HAARP experiments in Alaska could deliver on Gordon MacDonald’s vision because leading-edge scientists are describing global weather as not only air pressure and thermal systems, but also as an electrical system.” The HAARP program has been discussed in detail via Jesse Ventura's "Conspiracy Theory" television show. **The book called “Angels Don’t Play This HAARP: Advanced in Tesla Technology” by Dr. Nick Begich and Jeane Manning is one of the best sources to investigate the destructive device of HAARP.** HAARP systems and Russian scalar electromagnetic weapons can shoot down a missile in flight according to Cutting Edge Ministries.



## Surveillance Drones

New Surveillance drone are real. **Some of this technology is even beyond what Adlous Huxley or George Orwell ever envision.** Wired News reported that police forces worldwide are preparing to utilize and unveil drone aircraft that can not only conduct surveillance of protesters. They can zap them into submission via “non-lethal “ weapons. Using the Orwellian doublespeak phrase of “protect and serve” which some pro-new world order folk embrace, some cops globally wish that these military drone will carry out surveillance against everyone (**from protesters, motorists, etc.**). Unmanned drone replacing police helicopters possibly whizzing around harming people who “misbehave” is similar to the combination of “The Live” and “The Running Man” films. The Wired News report outline that this policy is a natural progression from the CCTV cameras that shout tat passers by (which are deployed at several UK cities). Now, drones can be fitted with LRAD acoustic devices, torture sound weapons that were indiscriminate used and abused during the G20 summit in Pittsburgh (on innocent members of the public who engage in just expressing their First Amendment right to assemble). **The LRAD have been tested on the Austrian S-100 unmanned helicopter and this technology is ready if there is a police requirement according to the Wired article.** There can be a drone available to the police that can fire tear gas as well as rubber pelts to disperse anyone still living under the delusions that these acts are a representation of a democratic policy. The report from Wired outlined that: “...French company Tecknisolar Seni has demonstrated a portable drone armed with a double-barrelled 44mm Flash-Ball gun...Used by French special police units, the one-kilo Flash-

Ball resembles a large caliber handgun and fires non-lethal rounds, including tear gas and rubber impact rounds to bring down a suspect without permanent damage — “the same effect as the punch of a champion boxer...” These Flash Ball devices have caused permanent damage in head injuries. This has been ignored. One option will be a mini-flying saucer drone with a Taser gun. This device can shoot 50,000 volts into anyone who refuses to bow down before the authority of the state. Taser stun guns are light in about 150 grams that they could be mounted on smaller drones. **Antione di Zarro is the head of SMP Technologies, which distributes tasers in France. He said that his company is fitting one to a small quad-rotor iDrone (which is another quad-rotor toy helicopter). This has been called a flying saucer.** Pain compliance or torture have been used by the police against people in the form of tasers. The abuse of tasers are readily common in numerous nations not only America. [Since June 2001, over 350 people have died in the United States](#) after being hit with these “non-lethal weapons”. Imagine how incidents of abuse would skyrocket once the personal element of using a Taser is removed and they are strapped to marauding surveillance drones, eliminating any responsibility for deaths and injuries that occur. **These drones can have missiles on them if we aren’t careful about these things. This isn’t truly about promoting safety in a society. It’s about treating protester and anyone who dissents with the system as a “terrorist” or a threat. These futuristic and fascistic tools of enslaving people are used against dissent basically.** The slick police state isn’t in the future. It’s here in 2010. The question is do we dissent with this onslaught of tyranny or do we submit under evil plus wicked confirmation to the world’s standards? I choose to dissent, to present an exposure of evil, and to promote strong love of justice. I won’t submit to evil at all.



## The Final Frontier

The Militarization of space is a real threat. The Defense Department wants to have new weapons in orbit as another battle space. The AFSPC or the Air Force Space Command wants space dominance. The Pentagon plans to have a robust anti-satellite ASAT capability that can disable, damage, or destroy the satellites of other nations for "defensive" purposes. General W. Lord was then commander of AFSPC. He told an Air Force conference (as recorded by the New York Times back in 2005) that space superiority by America is a birthright. He wants space supremacy as a vision for the future. This mission is apart of the Obama administration too. This may be net-centric warfare. The Air Force in April 22, 2010 successfully launched it robot space shuttle called the X-37B Orbital Test Vehicle (OTV), from Cape Canaveral Air Force Station in Florida. This device was a decades' long dream by the Department of Defense. The DoD wanted to filed a reusable spacecraft that combines an airplane's agility with the means to travel at 5 miles per second in orbit. In the Pentagon's eyes, the X-37B may be the start of new devices. These system can be weaponized, but the Air Force Deputy Undersecretary of Space Programs, Gary Payton denies these charges. There is the Global Security.org showing that a project is envisaged as a "reusable space architecture" that would provide "aircraft-like operability, flexibility, and responsiveness, supporting AF Space Command mission areas." Some technologies haven't worked because of technological constraints. In a 2006 piece in Air Force Print News ([AFPN](#)) however, we were informed that the X-37B will "will serve as a test platform for satellites and other space technologies. The vehicle allows satellite sensors, subsystems, components and associated technology to be transported into the environment where they will be used--space." It is uncertain how the X-37B device



will pan out. The Pentagon certainly wants influence in the atmosphere of space though. The militarization of space is still a threat.

By Timothy



## *DARPA and Technology Part 2*

Many updates have been going on in high tech devices. It's the same story. Men want equality, yet there has been an oligarchy using oppression and liberty suppression as a means to try to crush man's spirit. Yet, the Spirit of God is Eternal and strong enough to inspire some human beings to fight for righteousness and truth without tyranny. Transalchemistry is what some promote. The world is getting wilder and wilder with rapidly changing technology. The elite promote trillion dollar military budgets and the global carbon tax (**plus global governance, which is code for global government**). The Federal Reserve and the Euro bank are privately owned. The Federal Reserve Bank is especially dealing with involvement in parts of the U.S. economic meltdown. Some major forms of technology include nanotechnology, biotechnology, information technology, and cognitive sciences. The Air Force wants neuro-weapons to overwhelm enemy minds. People realize that computational technology doubles every 18 months with its cost dropping by half. People want more and more powerful artificial intelligence. This technology is interesting. Some people want to use global warming rhetoric as an excuse to bash humans and populations. There is nothing wrong with improving the environment in a legitimate fashion, but a carbon trading scheme has been exposed by people from across the spectrum as fraudulent. Multinational energy companies ironically promote the carbon

trading situation like Enron and BP. Why would they support this agenda when supposedly they will be the ones that will lose out? It could be because these companies are ruled by the same people and these agendas are used to fund high level technology to fund the masses like AI. This new technology isn't some next generation type of stuff. There are current military science R and D. **The Democrats lecture on anti-war talk, but they still fund wars and imperialism. The Republicans talk about small government, but fund Big Military and other big government in other areas too (that grows the Big Brother police state). Our freedoms have gone down in America. People have their homes stolen if they have non-authorized natural drugs. There are no fly lists that have innocent people's names on them. You can't be on plane without being groped and searched with naked body scanners. Even in 2001, this is unheard of. America is now like an Empire.** Transhumanism wants life extension technology to improve brain and body functions. The Pentagon and DARPA promote transhumanist-like technologies. The programs like DARPA promotes are Cognitive Information Processing (ACIP), biologically-Inspired Cognitive Architectures, Omnipresent High Performance Computing (OHPC), Real-World Reasoning (REAL), Cognitive Assistant that Learns (CALO), Deep Green (DG), Cognitive Information Processing Technology, etc. So, the tools of the elite don't just include unjust laws. It also includes technology used for evil purposes in violating human liberty and human individuality too.



DARPA is still here obviously. DARPA is the Pentagon's technological research team. It has a program called INSIGHT. They want to replace largely manual exploitation and have chat-based operator interactions. In other words, they want certain devices to use a system that mines different inputs. This process includes the use of drone footage and on the ground Intel that quickly stitches together data to identify potential threats. DARPA calls this new system as a next generation of the intelligence surveillance and reconnaissance (or the ISR) exploitation plus resource management system. Human input according to DARPA can be faster than human analysts. They want an interface that's adaptable, letting users provide context and pick the best surveillance combo for a given situation. The Pentagon is investing in the super powered surveillance for a while now. DARPA wants the INSIGHT program to be rapidly utilized in the recon field. The program has new spy cams like ARGUS-IS, a 1.8 Gigapixel camera that tracks over 100 square miles in real time. And ongoing Darpa projects might be rolled into the Insight system too. The agency's solicitation cites a handful, including the recently-launched PerSEAS, a program to design

complex algorithms that can somehow spot threats based on little more than “weak evidence.”

South Korean schools are getting robot English teachers. This English teaching robot is called “Engkey” stands in front of children at an elementary school in Daegu. Daegu is located in the southeast of Seoul. There are 29 robots that are 3.3 feet high. It has a TV display for a face. It moves around the classroom to read books to students and dances to music by moving their head and arms. Robotics is evolving over time. Teachers in English from the Philippines can see and hear the children via a remote control system. It can play alphabet games with the children. “Having robots in the classroom makes the students more active in participating, especially shy ones afraid of speaking out to human teachers,” Kim said. Kim Mi-Goung is the female official at the Daegu city education office. Scientists have held pilot programs in schools since 2009 to develop robots to teach English, math, science and other subjects at different levels with a desired price tag of five to eight million won. These machines are used to teach students language skills without being nervous about deals with flesh and blood foreign teachers. The device signifies more advances in the arena of robotics.

DARPA and Raytheon are building a new ad hoc mobile network for the military. The reason is that communication issues are in the Afghanistan and Iraq battle field. Military, security, and non-government organizations all of the time communicate with each other constantly during combat plus other operations. That is why they want to devise ways to create those communication systems more effectively. DARPA contracted Raytheon in 2009 to build the “Mobile to Ad-Hoc Interoperable Network Gateway” (MAINGATE), a mobile network that both military and civilian organizations can use to communicate using any radio or wireless device. The agency said that last month the system is being tested for video, voice and data (by both high bandwidth and low bandwidth users). There is the NCRS part of the MAINGATE system. NCRS stands for Network Centric Radio System. According to Defense Industry Daily, NCRS provides: “1) a backbone radio architecture that enables IP versatile networks and 2) a radio gateway that enable legacy analog and digital communications systems to be linked together.” The NCRS gives a self healing ad hoc mobile network that enables seamless communication between nearly any radios. The MAINGATE system has a disruption tolerant networking to cope with disruptions caused by line of sight issues, spectrum access, congested radio frequencies and noisy environments. The military is using mobile technology then. The U.S. Army recently announced that it will provide smart phones such as iPhones or Android devices to all personnel, and is considering making other mobile devices such as tablets and e-readers available as well. And in early 2010, the Army sponsored the Apps for the Army contest. The winning entry was an app that provided pictures and videos of the new exercises included in the Army's new Physical Readiness Training program. DARPA back in the late 1960's created ARPANET. This was the first wide area packet switching network or the predecessor to the Internet. DARPA was called ARPA back then (now technology or IT is consumerized. This means that defense research related technology trickled down to businesses and eventually into consumers).

The Governor John Kasich of Ohio killed Ohio's high speed rail project. Republicans claim that Democrats don't want to help create private sector jobs. There is the Recovery Act that created a number of jobs. Kasich wanted to improve the atmosphere to allow business development. He killed the Ohio high speed rail project. This allowed many businesses to be derailed to create real jobs even among the private sector. One business person called his decision as unbelievable, mind boggling, and naïve. It only cost 15 million dollars. It would send back 400 and 800 million dollars in free money according to Mike Pracht (or the President and chief executive officer of the Columbus based railroad car manufacturer). **The Cleveland developer Forest City Enterprises was planning projects that would form \$180 million of taxable property.** Dayton, OH anticipated about 250 million dollars worth of downtown development around the rail station in Columbus, OH. The rail line was expected to spur business development. This can form a link between Downtown and Port Columbus. This similar decision cost Gov. Scott Walker (R-WI) private sector jobs also. Kasich is doing this against his campaign promises since this policy isn't about creating private sector jobs. Rob Nichols said that this policy of cutting the high speed rail project will cost taxpayers. Kasich is willing though to spend money to pay for security improvements at his own private residence. Ohioans will now pay for "around-the clock security at the Kasich home" as well as at the official residence. This caused a 7 point drop in his approval rating before he's even taken office. Kasich is not rethinking the high speed rail. He has these economic policies that can drive the state into economic oblivion. Many Republicans don't care about the poor or building infrastructure. That's typical of them.



There is the nano hummingbird spy drone that is being developed by the Pentagon. It took 5 years to build and \$4 million according to the Los Angeles Times. The new model of the nano hummingbird drone really looks like a bird flying around. It would allow the military to literally drop a bird at a window ledge for reconnaissance purposes. "You can use these things anywhere, put them anyplace, and the target will never even know they're being watched," said defense expert Peter W. Singer. DARPA Defense Sciences Office (or the DSO) and the Nano Air Vehicle (NAV) Program has been involved in this situation. The Nano Hummingbird UAV flying has a tailless flapping wing flight. There is progression of propulsion and control developments too. The object is like a robotic hummingbird. There is a remote control device to handle the hummingbird spy

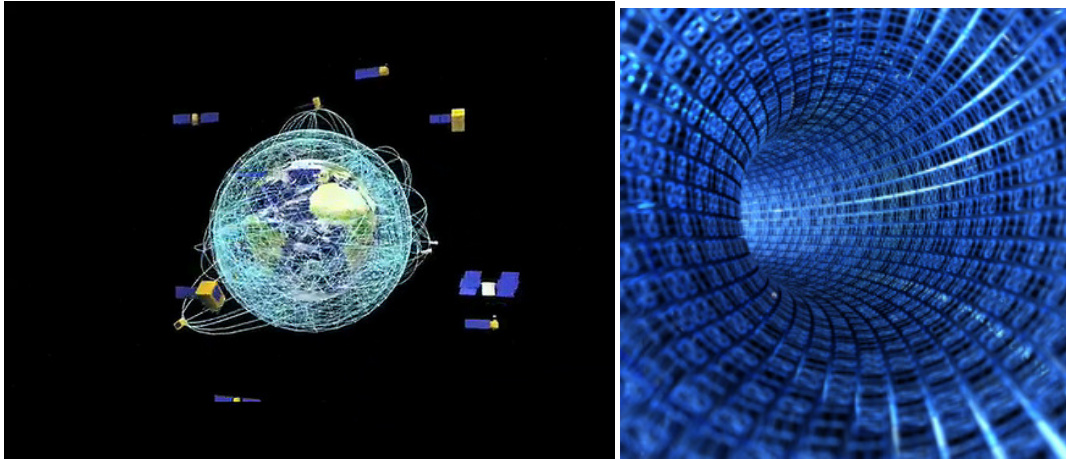


drone. **Technology is growing rapidly. There is the Big Dog. It was unveiled in 2008 by Boston Dynamics. This company was employed by the Department of Defense. BigDog to some is the future of warfare. The device is like a remote controlled robot, which is soulless, to act in the battlefield. It doesn't experience fear, pain, or remorse. The machine walks on 4 legs. It can talk a kick from a human being. It walks about hills and can walk in various amounts of terrain. The machine can walk on slippery roads as well. It can move concrete block as well. The PetMan is another DARPA device that has been funded by DARPA. PetMan is a walking mechanical torso with 2 legs walking. It has heel toe walking like a human. Some believe that these machines could have guns or grenades.**

Daniel Taylor from Old-Thinker News reported about the Pentagon. There is a Pentagon contractor and "perception manager" John Rendon. Rendon talked about using the Internet content algorithms with the intention of shape belief sets. This comes after the Pentagon shown a project developed by DARPA that will utilize social media as an information warfare tool. Wired Magazine reported that the Pentagon wants to build a tool to sniff out social media propaganda campaigns and spit some counter-spin right back at it. The report issued by DARPA is titled, "Social Media in Strategic Communication" or SMISC. It's found online. The deal is that the Pentagon wants to promote their propaganda in the world. The project will: "...Detect, classify, measure and track the (a) formation, development and spread of ideas and concepts (memes), and (b) purposeful or deceptive messaging and misinformation." In response, the Pentagon will engage in "Counter messaging of detected adversary influence operations." The Pentagon definitely considers deceptive messaging and misinformation the exposure of the Pentagon as promoting terrorism since its inception. Ironically, much of the Arab Spring revolution began in Egypt. It was supported by social media groups and Twitter. The Internet in a suitcase campaign in Iran is trying to cause a revolution there as well. In his newly released book *The Filter Bubble: What the internet is hiding from you*, Eli Pariser of Moveon.org interviews **Pentagon contractor John Rendon**, where he candidly spoke of perception management in the digital world. Specifically, Rendon hints that he knows how to game the system of search engine algorithms – the system by which pages are ranked and internet searches are displayed – and in turn shift the mindset of the masses. Memetic engineering is used by the Pentagon within the Internet in order to promote their interests. The SWS or the Sentient World Simulation has been integrated with the social media networks. The SWS is a model of the real world translated into a virtual model that can be used to test propaganda and its anticipated effect on a target populace in real time.



Technological advancements can be utilized for good or evil purposes. **DARPA** is using new, advanced technologies for controversial purposes. Now, there is a new DARPA smart drone that uses brains to dodge obstacles. These drones can fly around trees, poles, and fences. The military industrial complex desires machines that can circumvent fences and trees. The Pentagon is forming unmanned drones developed by DARPA as a means to autonomously dodge obstacles. IEEE Spectrum reports that Researchers at Cornell University with funding from DARPA and Defense contractor Lockheed Martin (who developed hardware that acts like a brain when it receives information from a camera, enabling a drone to dodge any obstacles it flies too close to). Software operating with the camera creates a 3D model of the surroundings and fires a "network of artificial neurons". The drone's "brain" then determines what objects are in its path and plots a route around them. The researchers say that in 53 out of 55 autonomous flights in obstacle rich environments, the drone avoid everything in its path and didn't crash. In only 2 tests, it did collide with objects. The researchers believe that this is a product of wind factors. They hope to develop the technology to further develop going around objects (including moving objects like birds or planes). There is a paper entitled, "**Low-Power Parallel Algorithms for Single Image based Obstacle Avoidance in Aerial Robots.**" The researchers note in the paper that: "**...In outdoor robotic experiments, our algorithm was able to consistently produce clean, accurate obstacle maps which allowed our robot to avoid a wide variety of obstacles, including trees, poles and fences.**" This technology can be utilized for domestic use. The FAA made recent legislative policies that will open up U.S. skies to drones. These drones can be operated by the military, federal government, law enforcement agencies, and private companies. Critics believe that the FAA's own safety tests have proved anything but convincing. Many protesters have disagreed with the use of a drone invasion situation in American society. The Electronic Frontier Foundation have obtained and released recent FAA documents. These FAA documents confirm that they want these domestic unmanned drone will for the most part be focused on spying on the American people. DARPA drones aren't part of science fiction. They are real in the world.



## Updates on Transhumanism and Singularity

There is the AGI Manhattan Project. This is about the transhumanist goal of trying to make man "gods" via life extension technology literally. It's one of the last goals of the real global elite. Some people want to be post humans or people living hundreds of years. There are pieces that show this Singularity agenda. The *New York Times* even recently did a piece, titled "[Merely Human? That's So Yesterday](#)", that championed [Ray Kurzweil](#), [Sergey Brin](#), [Larry Page](#), [Peter A. Thiel](#), [Peter H. Diamandis](#) and [Keith Kleiner](#) as being at the forefront of the Singularity Movement. The [Singularity University](#), located at NASA's Ames Research Center, is their epicenter. Ray Kurzweil is the famous promoter of transhumanism. Supercomputers and tons of governmental agenda promote technological advancement. National laboratories, branches of the military, and the executive branch know all about these procedures. **NASA's "Planetary Skin" program seeks to build a global nervous system or a network of sensors to monitor the whole planet.** Global warming alarmist has been used as the justification to promote Planetary Skin. It cost 100 million in its initial phrase. The future deals with designer babies, synthetic biology, more genetic engineering and other inventions. Neurometrics is about using the brain and biometrics to control people. Some of this stuff is beyond normal science fiction books. The great writer and bioethicist Wesley J. Smith exposed some transhumanists as rejecting faith in embracing some Utopian vision to offer a material substitute in the world in the following:

Here's an interesting irony: Most transhumanists are materialists. But they desire eternal life as much as the religionists that so many materialists disdain. So they invent a material

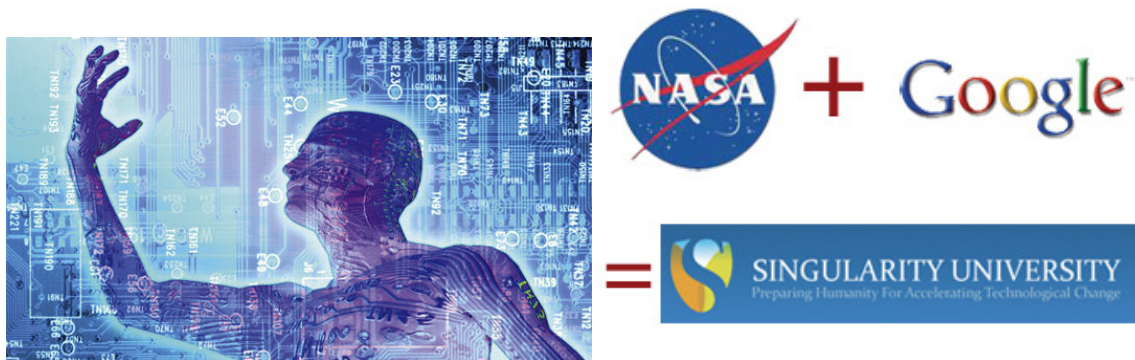
substitute that offers the benefits of faith, without the burden of sin, as they forge a new eschatology that allows them to maintain their über-rationalist credentials as they try to escape the nihilistic despair that raw materialism often engenders. So they tout a corporeal New Jerusalem and prophesy the coming of the Singularity—roughly equivalent of the Second Coming for Christians—that will...begin a New Age of peace, harmony, and eternal life right here on Terra firma.[ii]

Nick Bostrom and James Hughes founded the Institute for Ethics and Emerging Technologies back in 2004. Professor Gregory Jordan takes it one step further in his peer reviewed article in the Journal of Evolution and Technology called "Apologia for Transhumanist Religion." The article wanted to promote transhumanism as a new religion. **This new religion in the mindstate of Professor Jordan is about having the goal of eternal life among humans without God, wanting man to be a godlike being, the use of religious law in its promises, symbolic rituals, and technology used to heal people. Of the technological Singularity in particular, Jordan writes how some transhumanists especially view the Singularity as a religious event, "a time when human consciousness will expand beyond itself and throughout the universe."** Singularitarians believe that the evolution of man's consciousness will make transcend boundaries to be one with the divine. Like Gnostics, transhumanists have a hatred of the human body since it is viewed as a limitation to true enlightenment. Transhumanist Prof. Kevin Warwick put it this way: "I was born human. But this was an accident of fate—a condition merely of time and place." In the Judeo-Christian tradition, the human body is not a body without value. The human being was made in the image of God and meant to be the temple of the Holy Spirit among believers. This is why you can't be a Christian and deny the bodily resurrection of the Lord Jesus Christ.

The transhumanist agenda is still here. The New York Times ran a feature article on July 20, 2010. This article talked about the Lifeboat Foundation. This concept behind the group is simple yet disturbing. The article talks about protecting people from new threats (like artificial intelligence running amok to self replicating nanobots). The article talked about high tech shields to protect humans in the 21st century. The issue deals with the areas of neuropharmaceuticals, neurodevices, and neurodiagnostics. The Lifeboat Foundation has people that overreact. Some of their honors include Google, Hewlett-Packard, Sun Microsystems, and other list of industry (and technology executives including names on their advisory boards like Nobel laureate and Princeton University Professor Eric Maskin). **Transhumanism believes in the post human agenda. There are genetic modifications of living organisms.** Some want shields to protect the Earth species from designer viruses, nanobugs, prison contamination, and other dangers. There are shortcomings to biotechnology corporations. Some people need to realize that man is more than the sum of biological functions or biochemical reactions. Man has a spirit and soul that are vulnerable to spiritual plus environmental dangers. Too much human machine integration can cause the borgification of man that can ruin family links, and it can distort cognitive pathways. Dr. Mark Gasson, from the School of Systems Engineering at the University of Reading in the United Kingdom, intentionally contaminated an implanted microchip in his hand that allows him biometric entry through security doors and that also communicates with his cell phone and other external devices. In the experiment, Dr. Gasson (who agrees that the next step in human evolution is the transhuman vision of altered human biology integrated with machines) was able to show how the computer virus he infected himself with spread to external computer systems in communication with his microchip. **He told BBC News, "With the benefits of this type of technology come risks. We [will] improve ourselves...but much like the improvements with other technologies, mobile phones for example, they become vulnerable to risks, such as security problems and computer viruses."** So, these issues of the post human should be addressed.



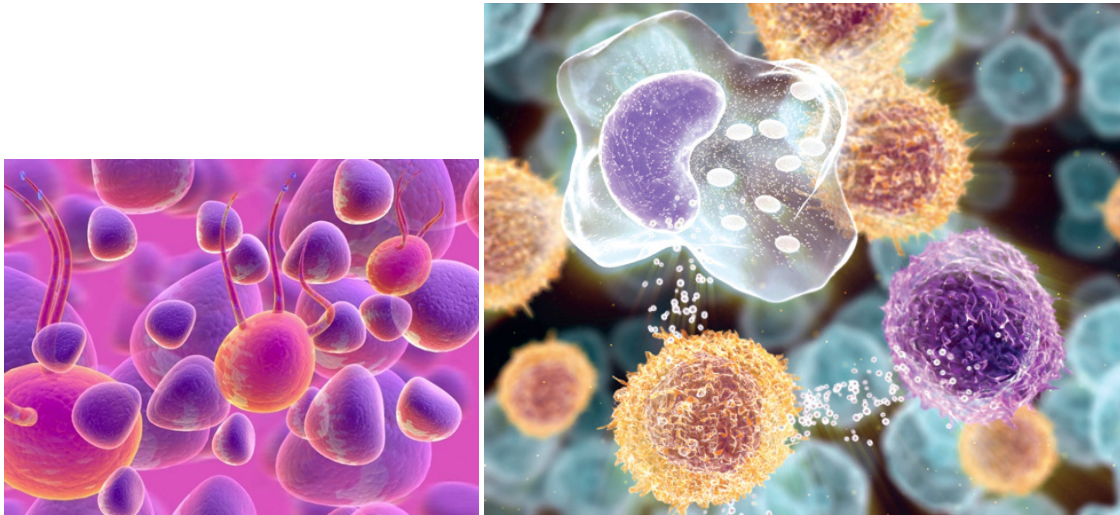
Military elites in America want to ask scientists to help them attack the brain's chemical pathways of people the government consider "enemies." The Air Force Research Laboratory's 711th Human Performance Wing revamped a call for research proposals examining "Advances in Bioscience for Airmen Performance." It's a six year \$49 million effort to deploy extreme neuroscience and biotechnology in the service of warfare. One suggested research thrust to use the external stimulant technology to enable the airman to maintain focus on aerospace tasks and to receive and process greater amounts of operationally relevant information. Scientists tried to look into fusing multiple human sensing modalities to develop the "capability for Special Operations Forces to rapidly identify human-borne threats." These actions are similar to the movie "The Men Who Stare at Goats." The program has this following information: "...Conversely, the chemical pathway area could include methods to degrade enemy performance and artificially overwhelm enemy cognitive capabilities." That's right: the Air Force wants a way to fry foes' minds — or at least make 'em a little dumber. This is the official statement that relates to the CIA planting a microchip in someone's head. The Air Force has the HAARP technology in Alaska. The 711th's call deal with the plan to create technologies to anticipate, find, fix, track, and identify, characterize human intent and physiological status anywhere and at anytime. For years, the CIA and the military allegedly plied the unwitting with dozens of psychoactive drugs. They did this in various mind control experiments. Even recently, the Pentagon back in 2008 warned that adversaries could form enhancements to their cognitive capabilities that can be a threat to national security. The National Research Council and the Defense Intelligence Agency pushed pharma based tactics to weaken enemy forces. Big Pharma is known to have poison human beings in wars just like the Nazis used Big Pharma to kill people in concentration camps during World War Two. In recent months, the Pentagon has funded projects to [optimize troop's minds](#), [prevent injuries](#), [preemptively assess vulnerability](#) to traumatic stress, and even conduct "[remote control of brain activity using ultrasound](#)." The Air Force is warning potential researchers that this project "may require top secret clearance." They'll also need a high tolerance for seemingly loony theories — sparked by the military itself.



Today, the elite use genetics, robotics, artificial intelligence, synthetic biology, nanotechnology, and human enhancement promotion as their forte. The creation of synthetic life is here according to this source:

*"As laboratories incubate new blends of man and machine.... The path of progress cuts through the four-way intersection of the moral, medical, religious and political—and whichever way you turn, you are likely to run over someone's deeply held beliefs. Venter's bombshell [the creation of the synthetic life "Synthia"] revived the oldest of ethical debates, over whether scientists were*

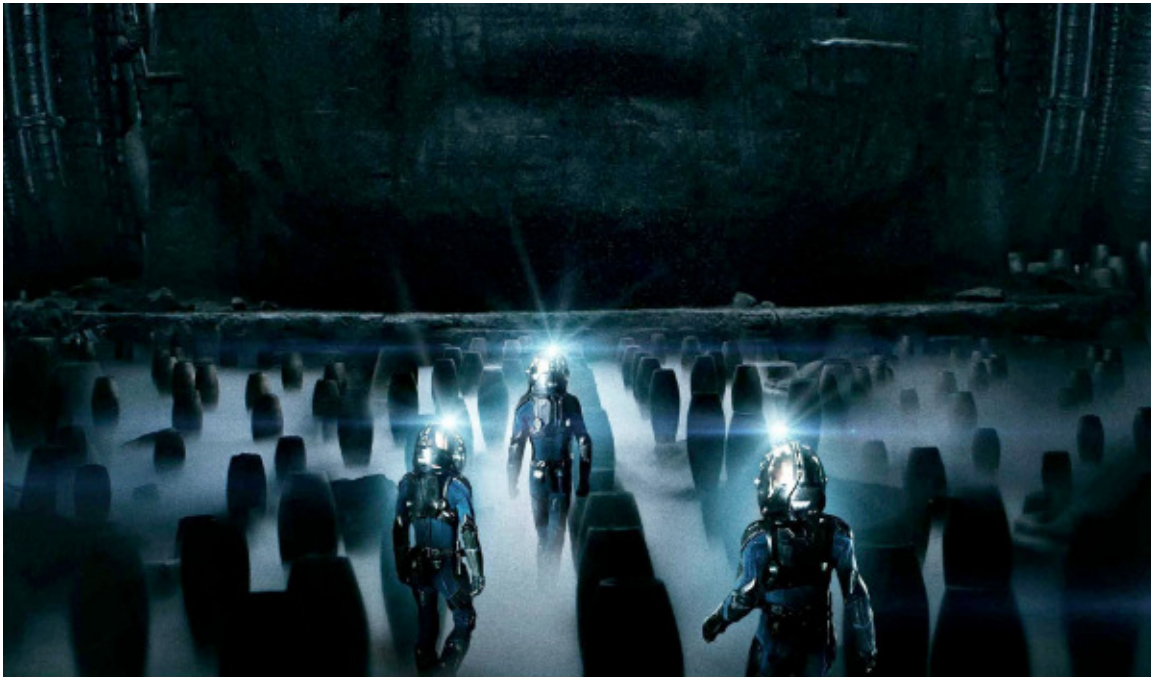
*playing God or proving he does not exist because someone re-enacted Genesis in suburban Maryland."* —**Nancy Gibbs, Time magazine**



So, human modifying technology is weird and a sign of the times today in late 2010. The Pentagon's DAPRA is investing \$6 billion into a project called BioDesign. **The goal of this plan is to in their minds is to eliminate the: "...randomness of natural evolutionary advancement."** Basically they aim to create living, breathing creatures with enhanced resistance to death that can be "programmed to live indefinitely." So, DARPA is really serious with life extension technology. DAPRA is trying to have metabolic dominance. This concept means that the government wants human beings to work many more hours than the average man. The ultimate goal of Metabolic Dominance is to "enable superior physical and physiological performance by controlling energy metabolism on demand." For example, cognitive function for three to five days, twenty-four hours a day without the need for calories might be entirely possible, and closer than we think.

One insider is exposing the Rand Corporation. This person is named Alex Abella. He's a Cuban born journalist. He was allowed exclusive access inside the RAND Corporation to view their archives. He discovered that there is a plot. It's made up of scientists, behaviorists, and generals whose intentions are to possibly start a third world war and fleece the American people in the process. He was once a skeptic in terms of learning about conspiracy related information. After he worked with the RAND Corporation, he is convinced that this top secret think tank have been influencing the American government for at least 60 years. "We're all the bastard children of RAND and we don't even know it," remarks Abella, as he charts how RAND started off as an organization centered around building new weapons for the military but ultimately expanded into politics, science, history and economics and was closely allied with the Ford, Rockefeller and Carnegie foundations. It's easy to see that the RAND Corporation is influential in pro-new world order policy. They promote the rational choice theory. This is about turning people from being citizens into consumers (as rights and responsibilities were replaced with choices and people's lives slowly came to be dominated. Their lives' aren't dominated by integrity

or what they stood for, but by what they spent their money on). The RAND Corporation according to its critics want to have technocrats running society in every fashion in order to form a one world governmental system under the rule of reason (or in a ruthless world where efficiency was king and men were treated like just machines). RAND had studied the social sciences, because they were at a loss to work out how to deal with people and how human beings did not always act in their own predictable self-interests. The RAND Corporation and the Ford Foundation continues forth to influence society (that doesn't translate into real love at all). True patriotism is antithetical to the agenda of the elite. Abella said that RAND was instrumental in developing the strategy in dealing with nuclear weapons and how they are promoting the nuking of Eastern Europe and even China (if problems occur in Western Europe. This policy can spark a catastrophic nuclear holocaust). RAND researchers believed that as long as 10 million Americans survived a nuclear war, the war was won. Abella views RAND as seeing the United Nations as a template for world government (he believes that a new organization might exist which is controlled by America that would eventually supersede the UN and become the de facto world government). That is why RAND researchers such as John Williams advocated pre-emptive nuclear strikes on the Soviet Union, to make sure the United States would be the only country with the supreme power to impose its will on the rest of the world. Abella believed that false flag attacks like the staged Gulf of Tonkin attack and the planned Operation Northwoods false flag were proposed initially in RAND documents. RAND have proposed war games in years in various scenarios. Some of these war games were ethically wrong that deal with the genocide of whole populations with little regard for the consequences. **Abella explains how RAND acts like a shadow government, because it services as a revolving door between the 2. RAND is one cradle of the military industrial complex and apart of the technocratic elite that we should disagree with.**



The 2012+ Information on Transhumanism & the film Prometheus



It's easy to see that the United Nations is a globalist instrument. It was created on Rockefeller land. Its founders are pro-Council on Foreign Relations individuals. It supported the actions of warfare. Its members have been caught committing human trafficking and rape of women in the Third World alone. Some in the United Nations want to have a transhumanist future where man is obsolete according to Aaron Dykes. The Global Future 2045 International Congress is being led by the futurist Ray Kurzweil. It was held a few months ago in Moscow. The plans laid out in that Congress deal with a vision where AI, cybernetics, nanotech, and other technologies will replace mankind (in a future of neo-humanity). This agenda relates directly to the transhumanist agenda. Transhumanism has been promoted by the global elite for decades. This plan derived itself from the likes of T. H. Huxley and his grandchildren Julian (who coined the word transhumanism) including Aldous Huxley (or the author of "Brave New World"). These people were either social Darwinists or eugenicists. The meeting falsely believed that any opposition to shift in society is equivalent to a return to the Middle Ages. A video proves that the group met up to draft "...resolution that will be submitted to the United Nations demanding the implementation of committees to discuss life extension Avatar projects as a necessary tool in the preservation of humankind." Global Future 2045 believes that they can evolve humanity and extend life to the everlasting. They even have goals in a timeline. They want new transhumanist movements and parties in this socio-economic crisis between 2012-2013. They want new cybernetic technology in trying to extend human life in their "race for immortality (starting in 2014). They want a avatar robotic human copy between 2015-2020. They want to use robots to replace human manufacturing and labor, servant tasks, and use thought controlled robots to displace travel needs. They seek to have flying cars and thought driven communications implanted in bodies or sprayed on skin. By 2025, the group envisions the forming of an autonomous system to provide life support for the brain that is capable of "interacting with the environment." These Utopians want to use brains transplanted into avatar bodies to greatly expand life and allow complete sensory experiences. They want the emergence of "Re-Brain" between 2030-2035 (or a reverse engineering of the human brain. They want to understand the principles of consciousness). There other goals include the following: **By 2035**, the first successful transplantation of personality to other data receptacles and the "epoch of cybernetic immortality begins." **2040-2050** brings the arrival of bodies 'made of nano-robots' that can take any shape, as well as hologram bodies. **2045-2050** will bring forth drastic changes to the social structure and sci-tech development. It is in this age that the United Nation's original promise of the end to war & violence is again predicted, where instead "spiritual self-improvement" takes precedent. **A New Era of Neo-Humanity Dawns**, according to their video. All of these plans relate to transhumanism. Transhumanism comes from the Mystery Schools, ancient orders, and eugenics. In the final analysis, transhumanism represents the old lie of the promise of human godhood. Man can never be God since man is imperfect. In his imperfection, we need a Savior to save our souls. The Messiah and the Savior is the Lord Jesus Christ. Now, transhumanism (some advocates of transhumanism believe in lesser humans and superior humans, which is bigotry) is nothing more than an esoteric quest whose proponents are connected to Masonry, occultism, and an exploitation of science/technology. Sir Julian Huxley said that: "...I believe in transhumanism: once there are enough people who can truly say that, the human species will be on the threshold of a new kind of existence..." Such themes about secret technology and hidden human origins are reflected in the film Prometheus (a prequel to the Alien movie series). The movie was directed by Ridley Scott. Prometheus represents the promotion of occultic mythos, the denial of human made technological advancement thousands of years ago (in my opinion, this borders on racism against people of color, because this alien view denies the high intellect of people of color making advanced technology back in the day. The movie



follows the alien agenda deception too), and an old promotion of the quest of human godhood). The film believes that human came from a super intelligent alien race. The alien races want to control humans and use bio weapons in order to dominate humans further. Humans go into a planet to find one hiding place of these super aliens. Early man obsessed with aliens and beings from the sky.



The Prometheus film shows the modern rendition of the chariots of the gods views (or the view that an super advanced, highly intelligent alien race created the human race). Globalists then and now (like people from the Royal Society) obsess with the idea of beings (outside of the Earth) giving man knowledge. This alien view is part of Secret Society tenets. This is the secret religion of the Illuminists (or wanting to be gods via cybernetic technology). Today, the elitsts are splicing animal and planet species causing chimeras (or hybrid species). Viruses and sterility has come about via GMOs and other damages to our ecosystem. This can destroy human DNA and cause population control. They are stealing seeds from across the Earth to place them in the Arctic in vaults. Science and technology can be used for good or evil. Two of the attendees at the [2012 Anglophile Bilderberg meeting](#) were Russians dealing with science & technology (though neither were apparently involved directly in this 2045 conference. Their names are Anatoly B. Chubaias and Igor S. Ivanov) including the owner of a Nano technology company, while Bilderberg steering committee members like [Silicon Valley exec Peter Thiel](#) are funding private space ventures, artificial island civilizations, next-gen Internet ventures and more. We have the choice. We can fight back against the agenda of the Illuminists to build a better society.



## The Google/Surveillance Connection

It's easy to see that the mega corporations like Google are tied in the government plus intelligence agencies. The CIA funds Google all of the time. Google works with the NSA (or the government spy force that is responsible for warrantless monitoring of Americans' phone calls plus e-mails in the wake of 9/11). Google shows software, hardware, and tech support to U.S. intelligence agencies in the process of creating a vast closed source database for global spy networks to share information. Google's partnership with intelligence agencies have been documented by ex-CIA agent Robert David Steele. Steele claimed that sources told him that CIA seed money helped to get the company off the ground. The federal government has several contracts with social media outlets like Youtube, which is owned by Google. This was proven by the FOIA. The contracts are said to waive rules on monitoring users and permit companies to track visitors to government websites for advertising purposes. Google and other corporations want to use cybersecurity as an excuse to restrict the openness of the Internet. Google CEO Eric Schmidt admitted that he wants government regulation of Internet service providers (or ISPs) as necessary. The Internet marketplace relies not on censorship, but freedom and liberty. The CIA and Google jointly work together to research Twitter accounts, blogs, and websites to search information and "predict the

future." In-Q-Tel handles investments for the CIA and the wider intelligence network into a company called Recorded Future. Google Ventures is an investment arm of Google has gave 10 million dollars to Recorded Future. Recorded Future is an open source intelligence group. It's not a secret that Google Earth and Street View has been used by the government to spy on Americans that violate the Fourth Amendment. The recent scandal involving the company's street view roaming vehicles **accessing the wi-fi details of internet users** and mapping their online activities has also raised serious questions. Outgoing Google CEO Eric Schmidt is a regular special guest of the Bilderberg Group having a group disregarding privacy and Fourth Amendment rights. He said that the Internet can augment your brain. Schmidt, who alarmingly sits on the White House Council of Advisors on Science and Technology, is a massive hypocrite. It is just fine with him for *your* personal information to be made public, however, when his own details were published online by **tech news site CNET**, Google blacklisted the website, which leads us nicely to our next point. Google works with the Communist Chinese government to suppress dissent in the Internet. An anti-trust suit in the EU accuses Google of demoting links to a website who didn't pay for higher listings as its competitor had done. There are other issues here, so we should never promote Internet censorship at all.







## The I-Pad Magazine

The iPhone is a popular invention that came out just a few years ago. Now, we have the iPad Magazine system. We have mp3 players, blackberries, HD Television, cell phones, smart phones, Face book, MySpace, Twitter, and other technological advances going on in the world. There is nothing more to use legitimate technology to connect the world and enhance the power of humankind. Virgin launched its first interactive magazine in the iPad age. This magazine is called "Project." Sir Richard Branson and his 29 year old daughter named Holly are involved in the project. Branson is competing against billionaires like Rupert Murdoch (he is planning his 30 million dollar iPad newspaper called "The Daily" ). It is expected to come early next year. Some view the I-Magazines as the future of publishing. The launching cover of the Project shows the actor Jeff Bridges (as the Tron Legacy lead actor). Other features encourage interaction with the iPod's touch screen, to color in a blueprint of a new Jaguar or fly through the streets of Tokyo for a travel article. Branson said that the monthly magazine changes daily (or \$2.99 or £1.79). The covers of the electronic magazine still need designers. Some hope



that these costs can be offset by charging advertisers like Lexus and Panasonic a premium for interactive ads you can swipe, tilt and play with, and boasts that it will not carry a single inanimate PDF. "It's going to make advertising a thousand times more effective than it is now," Branson said. Holly said that this magazine will be difficult to see how many people will subscribe to it since it's virgin territory. **People need the latest iOS 4.2 version to download the application of The Project.** The Magazine shows a digital image of Bridges and the screen of Tokyo as well. The image of Tokyo has a 3-D image as well. It has numerous advertisements in it. You can click on images to mark places and you can move your fingers to change the contrast of colors as well. There are smartphones and other phones that can show videos to a phone. There are advanced digital tablets as well.



## TSA Tyranny on the Rights of People

The DHS may want to try to use body scanners that store biometrics. The TSA and Homeland Security authorities may be preparing a body scanner bait and switch by proposing new devices that advocates claim do not see under clothing and don't emit dangerous radiation. There do store a biometric record of the person using them which would grease the skids for authorities to track individuals in real time. There is a video proving that the new body scanner proposes that it be used in airports, banks, retail establishments, apartment blocks, and other transport hubs. Body scans done in order to go shopping, cash a check, catch a bus, or even to enter your home is a part of a Minority Report style electronic prison. **There has been a nationwide opposition to naked body scanners and the new invasive TSA groping procedures. Even DHS leader Janet Napolitano and TSA Administrator John Pistole were forced to recently meet with executives from major travel associations who are spearheading the resistance. The TSA is trying to have new body scanners that have the optional biometric technologies and identity verification techniques. Iscoon is the company behind the new 1000D whole body scanner. Its makers believe that the device doesn't fire harmful radiation at the user and the machine doesn't display details of naked bodies. These claims have been made by the TSA and many don't believe them. The new device uses a thermo-conductive infrared technology.** It causes a 360° scan of the human body in 30 seconds, capturing every facet of biometric data. Although the video demonstration claims that the device "does not create any privacy issues," the fact that the government will have the blanket power to use technology designed to catch criminals on the general public is an obvious violation of privacy. Even in the immediate health and privacy risks of the current airport body scanners are neutralized, the government being allowed to keep an indefinite record of the biometric identifies of your whole body causes a huge threat to our personal liberties more than the current scanner coming now. There has been U.S. Marshals Service who was forced to admit that they

were saving naked body scanner images earlier this year. It goes to show that information is being illegally stored despite the assurances of authorities. Biometric measures only promote the false ideas of Americans being guilty until proven innocent. Iscon brags that it has already introduced like minded devices into U.S. prisons. There has been cutting edge satellite and other surveillance technology. If the government can make a biometric blueprint for the whole human body, then real time tracking of people isn't too far off. There shouldn't be a total, gargantuan Minority Report like surveillance grid at all (that such scanners are eventually intended to be used to control access to shopping malls, banks, transport hubs and even apartment blocks, as the makers admit).



**Detailed personal information can be open for abuse. Facial recognition can be manipulated if someone altered one's appearance or wearing a disguise. A full body biometric blueprint will allow the authorities to identify you in any situation. A microchip in ones forehead isn't far off. This Iscon system can be used in airports, courthouses, and local malls plus sports arenas. This is an one stop biometric data collection technology. The FBI said that it wants a billion dollar effort to build the world's largest computer database of peoples' physical characteristics. This project can give the government an unprecedented ability to identify individuals in America plus the world (as the Washington Post reported in December of 2007). The Department of Homeland Security collected biometrics for years like the use of iris scans at certain airports under the guise of identify verification of travelers (who have passed background checks and want to move through lines quickly). "The department is also looking to apply iris- and face-recognition techniques to other programs," the Post added. Napolitano and Pistole may be preparing to present biometric body scanners as the "solution" to the nationwide outrage over TSA groping and naked body scanners, but such a system will only arm Big Brother with yet more power and more information with which to catalogue, track and trace American citizens.**

**HOW FAR OFF**
**IS THE TECHNOLOGY?**



### WEAPON

■ **PROMISE:** Five-barrelled lightweight pistol fires four 15mm-calibre guided munitions able to seek out targets, plus conventional 4.6mm bullets for close-quarter combat.

■ **REALITY:** Precision weapon technology exists for bombs and missiles, and is being applied to artillery shells. Rapid advances in miniaturisation will make much smaller guided missiles possible.

### HELMET

■ **PROMISE:** All-round protection with built-in gas mask, stereoscopic night-vision cameras - with images and incoming tactical data projected onto inside of visor. Satellite communications. Voice-activated commands for various suit systems. Instant voice translator lets soldiers 'speak' in anything from Arabic to Italian.

■ **REALITY:** Most of the systems already exist in helmets worn by pilots of fast jets or in larger communications systems. Computer voice translation is in development.

### CAMOUFLAGE

■ **PROMISE:** Outer fabric layer changes colour to match immediate surroundings, giving constantly changing 'chameleon' camouflage, dubbed the 'Predator effect' after the Arnold Schwarzenegger movie featuring an invisible alien.

■ **REALITY:** Still on the drawing board, although scientists are confident colour-shifting nanotechnology fabrics will soon be possible.

### SUPERHUMAN STRENGTH

■ **PROMISE:** Strap-on lightweight 'exoskeleton' with powered joints. To quadruple leg and back strength - like Sigourney Weaver's industrial lifting suit in the movie Aliens. Enables troops to carry a 300lb pack over long distances at speed, while doing only 10 per cent of the work with own muscles. Female soldiers can easily pick up and carry far heavier wounded male colleagues. Troops can also carry and fire heavy machine-guns that currently have to be mounted currently on vehicles.

■ **REALITY:** Pentagon's Defence Advanced Research Projects Agency has spent millions developing the 'exo-hopper', a working prototype of the exoskeleton. It does allow a man to carry a 300lb pack. Limiting factor is how to accommodate a large power supply.

### 'SMART CLOTH' BODY ARMOUR

■ **PROMISE:** Instead of bulky and heavy Kevlar plates, flexible cloth impregnated with nanotechnology carbon tubes will sense approaching bullet strikes and use tiny electrical impulses to stiffen instantly to stop the gunshot. Whole body protected, rather than just essential organs covered by existing body armour. It will also include nano-muscle fibres to enhance the soldier's own muscle strength.

■ **REALITY:** Researchers have reportedly created artificial muscle fibres only a few microns thick woven into fabric. Questions remain over how cloth would 'sense' incoming bullets.

### On-board respirator

Protects from noxious fumes

### Reinforced visor

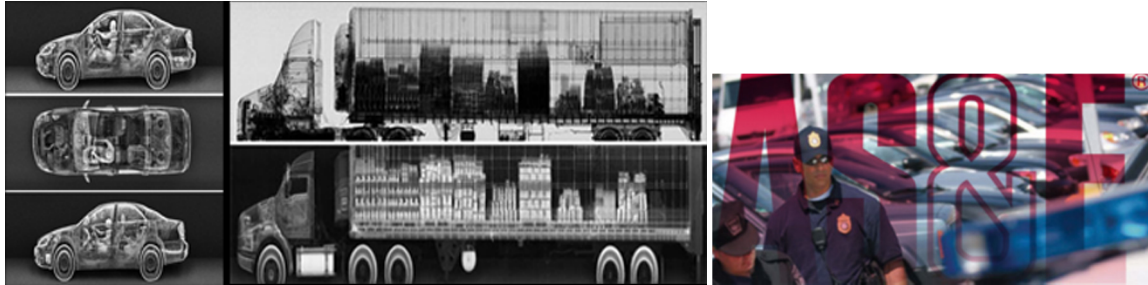
Extra wide for peripheral vision

### Automatic voice translator

Allows user to speak in real-time in any language

Robocop like technology is here in  
2012





The Department of Homeland Security has never backed off its scanners at all. There is even a press release from the AS&E or the American Science and Engineering, Inc. that there is a recent government contract for Z Portal screening system. Its value is up to \$67 million. The technology is here. There are orders for an additional 4.9 million dollar Z Portal order from the American government and an additional \$3.8 million order for ZBV Military Trailers announced on December 22<sup>nd</sup>. **The Z Portal is a screening gateway that can scan 80 trucks or 120 passenger vehicles per hour. The AS&E's Z Portal® is a multi-view, drive-through inspection system capable of scanning cars, vans, trucks, and their cargo for concealed threats and contraband. "These additional Z Portal systems will provide homeland security officials with advanced detection technology," said Anthony Fabiano, AS&E's President and CEO.** The device can check for explosives and other items. The Z Portal promoters claim to have privacy in using their machinery. This is the same establishment claiming that X-Rays in airport consisted of low radiation. There are contrary studies that show how similar TSA technology tears apart human DNA that can lead to cancer. Even the mainstream media's Dr. Oz warned about this dangerous radiation hazards. He lists that at least 4 groups of people shouldn't get the scan. Big Brother is growing. There is an Orwellian control grid promoted by technocrats. There are VIPER teams in urban areas monitoring people too. **The elite used 9/11 and terrorism as the excuse or pretext to immorally monitor even innocent citizens with the state of the art technology (that can reveal inside of our clothes too).** This isn't about safety since, some of these new rules and devices are used against innocent citizens in very intrusive ways (that violate basic human civil liberties like the right to be secured in your persons, etc.).

There was a naked wheelchair protester being targeted by the TSA. A woman protested the invasive new TSA airport security. She donned just a bra and panties. She is being targeted and prevented from flying by TSA officials. They cited an unusual contour on her body. The wheelchair user's name is Tammy Banovac. She was once groped by TSA agents at Oklahoma City's Will Rogers world Airport. She stripped in protest in November 30. She didn't like TSA workers touching her genitals, etc. "If it happened anywhere else, it would have been sexual assault," Ms Banovac has said, noting that she is hand searched every time she flies because of her disability. The TSA perverts should have been ashamed of themselves for it. Banovac's protest led an hour long interrogation at the hands of the TSA. Her wheelchair found nitrates, which can be used in explosives. She was targeted with her clothes on by the TSA. She is now recognized by TSA in airports. Given the bizarre



explanation or lack thereof for preventing her from flying for 24 hours, there can be little doubt that TSA agents are intent on punishing Banovac for her earlier protest by making her life hell every time she enters the airport. The TSA have used a vendetta against people who don't support the Borg of the state. **In early 2010, Stacey Armato was locked inside a glass box for almost an hour by TSA agent in a Phoenix airport. She refused to allow them to put her breast milk through an x-ray device, a legitimate request that is even written into the TSA's own guidelines.** Armato was informed by a police officer that she had been singled out by TSA agents who recognized her because she had filed a complaint against them regarding the handling of her breast milk the previous week.



#### More Information about the Pentagon

It's easy to witness that the Pentagon is afraid of global technological progress. The Pentagon is scared of global technological progress. The U.S. Army General Martin Dempsey made an April 2012 speech at Harvard University. He addressed what he calls the "security paradox." This paradox deals with geopolitical trends that can usher a higher level of peace and stability worldwide. He fears that technology can proliferate horizontally across advanced militaries in the world and vertically down to non-state actors (like insurgents, terrorist groups, and transnational organized crime). New technologies can be used by people from across the socioeconomic spectrum in this day and age. Some military people have fears that the balance of power can cause more non-military human beings to have access to advanced forms of technology. The US used the atomic bomb to kill innocent people in Japan. Some people don't use nuclear weapons now because of the fear of a retaliatory attack. Technology is increasing so rapidly. Dempsey admitted that American defense goes well beyond protecting borders and instead focuses primarily on protecting America's interests. These interests are in Europe, Africa, and Asia. Defending America's interests is a subtle code word for American imperialism. This 4<sup>th</sup> generation warfare against other nations proves the real nature of our current generation. The corporate financier oligarchs fund Western policy in many circles. The Pentagon continues to make hit squads and cyber brigades. The oligarchs are planning anti-freedom draconian legislation like SOPA and ACT (under the guise of intellectual property) as a means to control ideas plus innovation. We have online libraries like Thingiverse that users with 3d printers can print at will. In the future, there can be more gene therapies and medicines. The oligarchy wants to monopolize and control everything in the world. Independent human ingenuity is better than monopolies and limitations of human technologies.



## Direct Energy Creation

Weather modification technology has existed for decades in America and Russia. DAPRA is now trying to create lightning weapons. This is similar to the myth of the god Zeus from ancient Greece using thunderbolts at his disposal in order to punish the so-called “wicked” or do acts related to natural occurrences. Geo-engineering technology is real. DARPA is trying to have the natural mechanism of lightning initiation (or they are trying to create manmade lightning bolts and prevent natural lightning strikes plus their accompanying destruction). According to one source: “...Lightning causes more than \$1B/year in direct damages to property in addition to the loss of lives, disruption of activities (for example, postponement of satellite launches) and their corresponding costs..” It was only recently when people understood how lightning was formed, how it traveled, and most of the activity is going on inside of thunderclouds. That’s why Darpa wants “rocket-triggered lightning” that can be shot off from the ground and then studied as it moves and touches down. DARPA wants storm brewing techniques to be tested nationwide. **They want to intercept thunderstorms to find out its unique characteristics.** The Discovery Channel has mentioned Direct energy technology. Direct energy weapons can show a bolt of lightning. There are laser beam weapons that can shoot lasers faster than a bullet. In the future, lasers can replace the use of stun guns. Today, SWAT Teams and other militarized police use such devices in various situations. This is a part of the police state that we live in America every day. New laser weapon technology is used to try to distract and disorient a person where the person has difficulty seeing their own surroundings. Peter Bitar is an inventor and designer of such laser weaponry technology. Bitar wants to have a stun strike device to show a bolt of lightning against a person (with over 200,000 volts that can knock any man of their feet).



## Futuristic Arms or Guns

Buck Rogers like technology isn't something that existing in the far future. These weapons are here today in 2011. There are many weapons out with specialized bullets, lasers, and even grenades on them. **There is nothing wrong with owning an arm legitimately as long as you don't do anything immoral with an arm.** There is a device called the Raligun. This gun is a totally electrical gun. It accelerates a conductive projective along a pair of metal rails. This system uses the same principles as the homopolar. The U.S. military have tested a version of this weapon. The weapon can accelerate projectiles up at speeds up to 2.4 kilometers per second. This is 7 times the speech of sound. Physics tells us the faster something is moving, the more destruction it causes. Raligun has have capacity of shooting things extremely fast. The gun image to the right is the Beretta CX4 Storm. It has a sleek, 9 mm, semiautomatic carbine that is in the Canadian market. Beretta USA describes the CX4 Storm as a "sporting or personal defense firearm ideal for professional use by police forces." It looks militaristic, with its black polymer body, pistol grip and rugged accessories. As ominous as it may appear, under current Canadian law, the Storm is classified only as a restricted weapon. It can be legally owned by anyone with a restricted-class license.



The weapons above are the XM-25 Grenade Launcher. This can fire 25 grenades that can set to explode mid air or near the target. The user can manually adjust the detonating distance up to 3 meters or longer. This gun is capable of transmitting the distance to the grenade from the firing chamber. It's a gun, a computer, and has heavy artillery at the same time. Its magazines include 22mm projectiles. The Army wants to arm every infantry squad and Special Forces unit with at least one of this big gun.

There is the Magpul Masada that looks similar to an AK-47. It was built in the ground up. **The gun is simple to use. The Masada was helped to be constructed by people like Mike Mayberry.** Christ Costa is an expert on the Masada as well. It's a light gun and it's fast. Some people believe that the Masada can replace the M-16 gun. It's a half pound lighter than the M-16 and the legendary AK-47. It has a full system rail system for real optics. It has a free floating barrel to increase the gun's accuracy in the action of shooting. It has ambidextrous controls. **The Masada can work if your left hand or if your right handed. You can work with the gun in many flexible formats. There is a barrel used in the gun as well.** The Masada can fire AK like rounds. There is a weapon called the Cheytac M-200 intervention system that can make more accurate targets in using a sniper gun. It's made up of 3 parts. They are the 408 round, the M-200 lightweight rifle bolt action sniper rifle, and the advanced ballistic computer. The computer helps the sniper to deal with the physical and environmental variables a sniper must use to create a better target. Some call this sniper system the best sniper system in the world. The Senior VP of Cheytac is Robin Sharpless. **The 408 round stays supersonic in up to 2,200 yards. It has more kinetic energy than a 40 cal. round.** That's very powerful stuff here. This sniper system can work in a very dark environment during the night time. The system has a night vision scope can allow people to see up to 700 yards away. It doesn't give an infrared signature, so your position is difficult to decipher. In the 21<sup>st</sup> century, there is dragon skin. Dragon skin can prevent serious injury from AK-47's 7.62mm rounds. It has titanium disks and titanium is much more stronger than normal steel. Murray Neal is the Dragon skin inventor.





## Ultra High Definition Television

Greater than HD 3 is video quality is called Ultra High Definition Television. It's short hand form is called UHDTV, Ultra HDTV, 4320p, and Ultra High Definition Video. We are in the future in several instances today. Now, UHDTV is shown in an experimental digital video format. It's been proposed in Japan, the BBC, and RAI. It had a 10 bit per channel. Its resolution is 7,680 x 4,320 pixels or 33.2 megapixels. This technology is in its experimental stage. The NHK researchers had to build their own prototype from scratch. One demonstration of the system came about in September 2003. There were used an array of 16 HDTV. The camera was built with 4 2.5 inch (or 64 mm) CCDs. Each had the resolution of only CCDs for green and one each for red and blue,

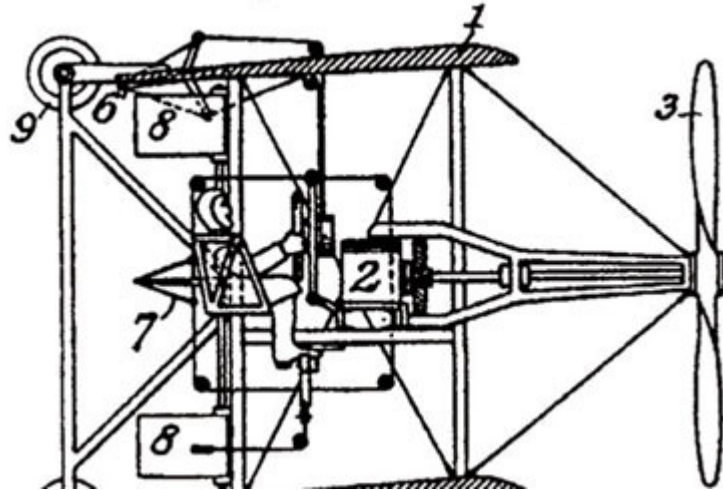


they then used a spatial pixel offset method to bring it to  $7680 \times 4320$ . This system was shown in Aichi, Japan, Las Vegas, and Amsterdam, Netherlands from 2005 to 2009. The UHDTV had increased its resolution as compared with existing HD standards. It still utilize the same number of frames for second (like 50 or 60 Hz), whereas modern cinema film are usually 24 Hz.





At close range, the fast moving pictures of an Ultra HD signal on a minimum 60" screen may cause nausea for its viewers. That is why the technology of Ultra HDTV isn't perfect. The goal of proponents of UHDTV is to make UHDTV to be made available in domestic homes. The timeframe for this goal to be accomplished is to occur between the years of 2016 and 2020. This is mainly based on technical reasons concerning storage and broadcast distribution of content. These years are not too far off from 2011. The Ultra HDTV has 16 times the resolution of today's HD. In the future, these devices can transmit video pictures in an unique way. The Philips Cinema 21:9. The "21:9" in the name refers to the aspect ratio of the screen, wider than your typical wide-screen HDTV. The increased screen width is significant partly because, well, wider is better. Most movies are filmed at a 21:9 screen-size aspect ratio. When you watch a movie in a theater, the picture you see is 21:9. And so, ideally, to get the full cinema experience at home on your TV it should have a 21:9 screen too. There are 24 hours 3D channels.



## Appendix A: Nikola Tesla's Genius

Nikola Tesla's genius is easily known by people throughout the Earth not just engineering buffs. He was a Serbian Orthodox Christian that desired to go into America in order to have the pursuit of happiness like everyone else wants. He was ahead of his time in more ways than one. **He executed innovations in many fields of science and technology from electricity research to light bulbs. Nikola Tesla utilized means to harness the power of the Alternating Current.** This caused Thomas Edison to be jealous of Tesla since he wanted his DC electrical current empire to destroy the influence of AC. AC can power businesses and homes. Tesla wanted a tower to spread wireless electricity all over the globe. This was a part of Wardenclyffe tower project. He was using fluorescent bulbs in his lab some forty years before industry "invented" them. At World's Fairs and similar exhibitions, he took glass tubes and molded them into the shapes of famous scientists' names - the first neon signs that we see all around us today. I almost forgot - Tesla designed the world's first hydroelectric plant, located in Niagara Falls. He also patented the first speedometer for cars.

He died before many of his plans could come into fruition from flying machines to wireless communication. Nikola Tesla wanted a lot of inventions to be created. He once said that: "...You should not be at all surprised if someday you see me fly from New York to Colorado Springs in a contrivance which will resemble a gas stove and weigh almost as much." Many proposals of a flying machine have come from Albert Einstein to his ill fated wing to Thomas Edison and his box kite type rotor biplane.

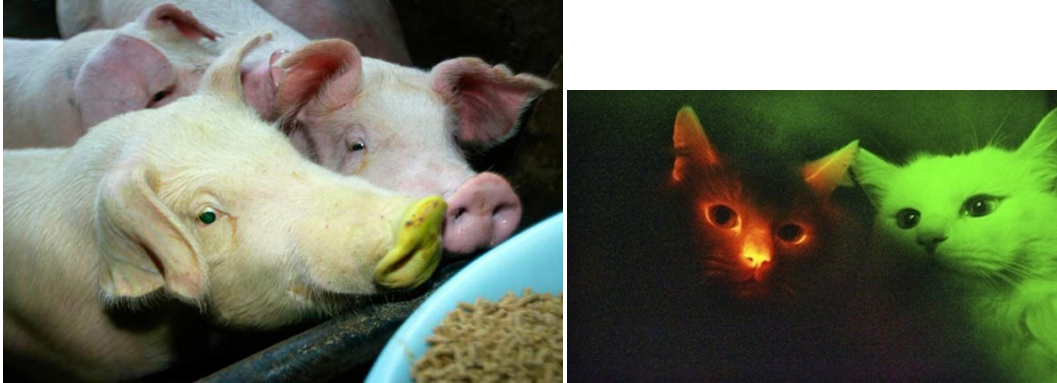
“There were a lot of fairly eccentric designs in the patents from this era,” says J. Gordon Leishman, professor of aerospace engineering at the University of Maryland. Nikola Tesla dreamed up a 1921 hybrid tilt rotor/tilt wing helicopter airplane. Tesla invented the alternating current and the use of powerful turbine engines to radio and remote control. He made his electricity generated machinery in Niagara Falls Power Company. He lit the World's Fair in Chicago in 1893 in conjunction with the Westinghouse Company.

In January 1928, the U.S. Patent Office granted Tesla what would be his final patent, for a “novel method of transporting bodies through the air.” His sketch included an open box type craft with a tilting propeller and wing. Theoretically, this object can allow the vehicle to rise vertically and fly horizontally. He also suggested a design that had 2 propellers that would coaxially or otherwise dispose to revolve in opposite directions being powered by his turbine engine. Leishman said that Tesla's plans were the first tilt rotor/tilt wing concept. According to the curator of vertical flight at the National Air and Space Museum Roger Connor, **“...The theoretical concept is very similar to the Convair XFY-1 Pogo that we saw in the 1950s, the Bell XV-15 in the late 1970s, and in the Osprey today.”** And Tesla's discussion of using a turbine engine is “astonishingly prescient,” Connor says. “In vertical flight particularly, if you don't have a turbine, you're not going anywhere, so he hit the bull's-eye on that one, and to my knowledge this is the first time anyone proposed a turbine on a rotorcraft.” Tesla thought about flying in a serious manner to come up with his proposals. But when it came to hovering, Tesla was hopelessly naive about the vagaries of rotary wing flight. “He missed how long the blades would have to be to give you any kind of meaningful lift and all the issues dealing with stability,” says Norris, who encountered the physics first-hand with his AirScooter. “The other thing that's lacking is a way of compensating for torque reaction, which means it could never be practical,” says Leishman. “On a conventional helicopter, you've got a tail rotor that provides the anti-torque.” But Tesla “basically left the tail off this thing,” Connor points out. Some believe that Tesla's machine would spin in a circle since of the design mechanisms. Nikola Tesla died in 1943 at the age of 86.





Space based weapons is a new factor in the world today. If nations are controlled more thoroughly, then the global super state can exist more effectively. The U.S. government has maintained a military space program. It is called the U.S. Strategic Command since the 1980's (or the U.S. Space Command years ago). The Obama administration months ago want to merge NASA, which is the public face of the space program with the military space program. Private corporations are more involved in the business of space. This increases the globalists' desire to have the militarization of space. The Soviet Union and the United States argued for space weapons back in the 1960's. Space based weapons have occurred since the 1960's. The Ronald Reagan administration has promoted the Strategic Defense Initiative. Much of the U.S. military space program is classified and considering the many secretive tests conducted at facilities like Nevada's Area 51. Space based weapons are advanced. Many technologies are decades ahead of what are known publicly. One example is how the Internet existed back in the late 1960's by DARPA (or the U.S. governmental group that's dedicated to defense research and development). It was called ArpaNet. It was popularized in the 1990's. Space weaponry can strike any nation on Earth that opposes the agenda of the global elite. There is kinetic bombardment. This is used by to harm places as well. Some of this technology is new like the hypervelocity road bundles. Even high level officials in the Russian military have expressed concerns about how they are falling behind the U.S. in the space based weapons race. They are right to be concerned because it is a fact that whoever maintains supremacy in space will maintain supremacy on the Earth. This is why advancements in space based weapons are critical to the New World Order agenda and why so many in the elite power structure are paying close attention to their development.



## Appendix B: Transgenic Creatures 21<sup>st</sup> century Style

Transgenic animals are the new technological advancements in the 21<sup>st</sup> century. Numerous moral dilemmas and questions revolve around this new reality. The reason is that if humans can manipulate animals to have specialized functions, can the same be done for human beings (are these acts morally justifiable too?). The fluorescent puppy is the world's first transgenic dog. The cloned beagle is named Ruppy or Ruby Puppy. She and 4 other beagles all produce a fluorescent protein that glows red under ultraviolet light. A team did this, which was led by Byeong-Chun Lee. This person is of Seoul National University in South Korea. They created the dogs by cloning fibroblast cells that express a red fluorescent gene produced by sea anemones. Lee and stem cell researcher Woo Wuk Hwang were part of the team that made the first dog Snuppy in 2005. Much of Hwang's work on human cells turned out to be fraudulent, but Snuppy wasn't (an investigation concluded). Some want to use these transgenic dogs to create a disease model. Dogs already serve as models for diseases such as narcolepsy, certain cancers and blindness. And a **dog genome sequence** has made the animals an even more useful model by quickening the search for disease-causing genes.

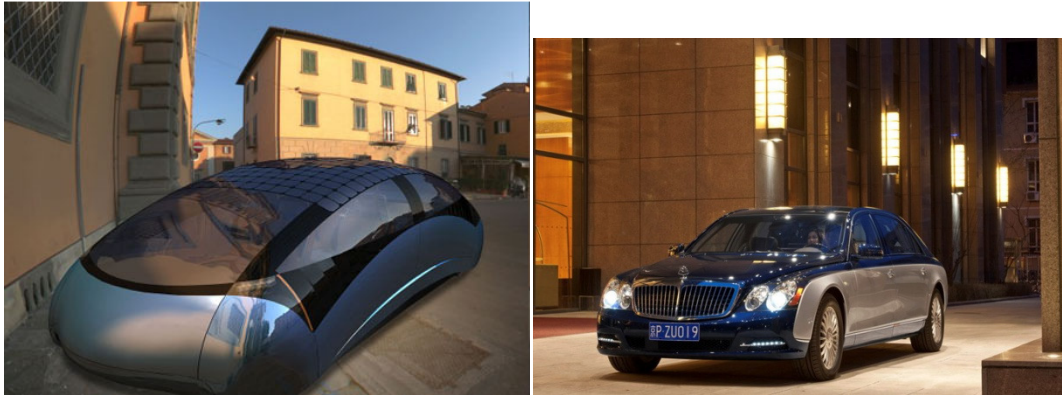
There are new transgenic lines of monkeys with a gene encoding green fluorescent protein that's fully integrated into their DNA for the first time. This research is published in the journal Nature. This feat is the first of its kind in non-human primates. Scientists are doing this in order to cultivate new models of human diseases. **Scientists report on the first transgenic monkeys last year. This was a model of Huntington's disease.** These animals didn't have their genes fully integrated into the monkeys' own DNA and was not passed down to their offspring. Erika Sasaki in a report (along with her colleagues used viral DNA) as a delivery vehicle to introduce the gene GFP into the DNA as a delivery vehicle to introduce the gene for GFP into the DNA of the common marmoset *Callithrix jacchus*. They show that the gene integrated into the monkey's DNA and was successfully passed down to their offspring, which were healthy and all

expressed the new gene. People understand about transgenic mice for years. Scientists wanted to use these mice for biomedical research purposes. They don't relate to humans that much since they are non-primates. Non-human primates according to proponents of this new research hold promise for the study of a myriad of human diseases (**like neurological disorders. There are no current appropriate experimental models**). The study marks an important milestone on the road to developing the means to investigate these diseases. The ethical questions of using transgenic monkeys are debated to this day. This era in 2011 is indeed a Brave New World. Is it me or is some of this stuff some sick stuff going on in the 21<sup>st</sup> century?

UK scientists have secretly grown human-animal hybrids in laboratory experiments. This has been known for years. At least the UK government approved of 150 human animal human hybrid embryos by scientists. This is done under the 2008 Human Fertilization Embryology Act. The UK's Daily Mail newspaper is reporting that a committee of scientists has recently blew the whistle on the operation. They have expressed alarm over the risk that the experiments are going too far. This is scientific fact not science fiction. This has been going on overtly in the UK for 3 years. These beings created are animal eggs fertilized with human sperm and cybrids. Cybrids are animal cells that are injected with human cell nuclei. They also created chimeras or the mixture of human cells and animal cells. It isn't known which animals were used in the chimera and cybrids. Yet, it's almost a certainty that mammals were used. The closer the genetic code of the animals to humans, the more likely embryos would be viable. So, it seems likely that these scientists have been using eggs from monkeys or apes combined with humans. None of these embryos were allowed to grow into fetuses. That is why current UK law requires them to be destroyed after 14 days. That's the law. This stuff can possibly be going on in underground basement corporate laboratories (away from UK regulators and outside the bounds of the law). There can be half-apes running around in laboratory cages right now. Science should be bounded by some ethics or moral principles. King's College London, Newcastle University, and Warwick University allow the human-animal embryos to be created. Some scientists said that developing embryonic stem cells can treat incurable diseases when adult stem cells have proven to treat tons of illnesses and diseases. Creating a lab of half human, half ape being is immoral. Many times aborted fetuses and human body parts are sold to pharmaceutical companies (and they create products from these items). For eons, the elite and their minions have exploit living organisms and put animals via medical hell in order to have profit and control. Even now, there are primates in cages used to grow viral material. This is done to harvest their organs and blend them with toxic chemicals to make vaccines. This is a secret that some in the vaccine industry don't want people to know. This is inhumane and sick. Harvesting of organs is worldwide. Ethnic boundaries are necessary to make sure that lives aren't exploited. Even Dr. Jonas Salk (the developer of the polio vaccine) conducted illegal medical experiments on mental patients without their consent at all. So, scientists should do their job, but not play God with genes, seeds, and medicines in order to have profit. For people can't do what they want whenever they want as all humans have imperfections.

The genetic manipulation of food and other species is a serious threat for all of humanity. Scientists and others are doing research on human/animal hybrids, chimeras and other transgenic clones. This can endanger life in the world. The elite allow their agents to tamper with the genetic code of the planet. They ignore the dangers of cross-species experimentation and these acts can flagrantly jeopardize the Earth's delicately balanced biodiversity. There are tons of risks posed by genetically modified hybrids. People have found out that in the UK, scientists have made hybrids for at least 3 years. Genetically modified laboratory creations are still going on. **The biotech industry is showing these entities to the world. While this is going on, monopolies are increasing their power to control this research like Agra, Pharma, and Medical research in the 21<sup>st</sup> century.** The GM foods are promoted as solutions with lucrative returns. There are patented gene expressions. There is the concept called xenotransplantation. This is when transgenic clones are created via deleting and replacing DNA sequences in order to form a cross-species hybrid. This hybrid is in a host egg and they are the pet project of corporate science. This science believes in replacing organs for ailing human beings, to handle infertility plus sterility issues, to have artificial protein production (in industrial and pharmaceutical applications), cloning, etc. These manmade creations can have the risk of causing sterility in offspring and cancer. **Some clones like Dolly the sheep only live in a short lifespan. Clones can have arthritis, breathing problems, and other problems. Hundreds of embryos fail in cultivation before there is one successful clone. Some die in the womb after only a few days. These entities are trusted to fulfill humanity's betterment when they don't. There can be beast borne diseases if the human genome is mixed with animals.** It can affect humans and planet species. Mutations and other unforeseen consequences can exist as a result of mixing unrelated species like mammals and jellyfish genes. Genes can act differently when they are in foreign DNA sequences. This can be dangerous since there is a lack of recognition and compensation for pleiotropic genes (where a single gene gives expression for multiple traits). This new sick experimentation has been shown in H.G. Wells's "The Island of Dr. Moreau." Now, we have human ears on the backs of mice. Harvesting human marked organs from cows, pigs, and other host species is occurring now. There is the synthesizing of strategic proteins in host milk production and other sci-fi application. This could be the future of biotechnology. Spider goats are anti-laws of nature. Some want to create these species to create a stronger than steel protein from spider silk that can create fibers for items like bullet proof vests (such items are sold directly to the military prison industrial complex. This can further dominate humanity via the oligarchy). GMO species are invasive and some doctors have released them in crops. Crop contamination of GMO plants is devastating to ordinary farmers including terminator seeds being genocidal. The consumption of GMO crops have proven ties to allow mice to have sterility (to be delayed until the second or third generation to cause cancer plus other issues). Globalists aren't gods at all. **Some of them want to limit the expression of life with fake clones. These clones threaten real or genuine flora, fauna, and other life. Even some scientists slander 96 percent of DNA as throwaway junk with no genetic value. This is arrogance not inquiry or analysis. All of these acts tie into transhumanism or the belief that man can come into godhood.** People should oppose this extremism and some have.





## Appendix C: Cars

The love affair of cars exists preeminently among women and men a lot. I couldn't end this segment without mentioning about cars. Those of every background and age demographic put pictures of cars in their homes, rooms, and other locations. We desire them or cars within a wide outline of uses like transportation, style, and the increased enhancement of our standard of living. Thousands of years are the time span that deals with vehicles and their predecessors. The evolution of the car invention precisely represents the evolution of man's mind involving the development of mechanical devices. In our time, when you get a car, you have to make sure that your payments are on time, you have to be sure not to get unnecessary insurance, you have to get your oil changed once in a while, and there are other responsibilities when dealing with a car. Some car buyers use the Internet at times to check on their cars or complete a survey on their product. Sometimes, Low Jack may call a house phone to warn about someone being near your car or using it. Using a car is complex, rewarding, and fun at the same time. A car outlines freedom and independence that we all seek. So, this work will not only prevent the summary of a car's history or origin. This work will describe futuristic vehicles and possible future cars that can transpire in the not so distant future.

The chariot was probably the first in the ancient automobile. It was fast and was used in civilizations in Africa, Europe, Asia, and other locations worldwide. Now, in ca. 1672, the first working steam powered vehicle was probably designed by Ferdinand Verbiest. He was a part of a Jesuit mission in China. The device was a 65 cm. long scale model toy for the Chinese Emperor. **It was unable to carry a driver or a passenger. It's debated if Verbiest's model was ever built.** Leonty Shamburenkov was a Russian peasant. He in 1752 formed a human

**pedaled 4 wheeled auto running carriage.** It was proposed to equip it with an odometer and to use the same principle for making a self propelling sledge. The first self propelled mechanical vehicle or automobile is credited to Nicolas Joseph Cugnot from 1769. In that year, he created a steam powered tricycle. He constructed steam tractors for the French Army.

Proposals for cars for the future are ever abundant as well.

By Timothy



## DARPA and Technology Part 3

For eons, technology aroused the imagination and concrete thinking of humankind. Living in 2013 is no exception to this basic truism. **Technology is a large, dynamic portion of the world society. From light rails to iPhones, mechanical devices readily influence our daily lives.** The beauty of infrastructure can inspire minds, teach lessons, and build up the standard of living within the parameters of any society. DARPA and other corporations have developed strange and advanced devices. Technology fundamentally is a 2 edged sword as the cliché goes. It can be utilized for enriching; dynamic purposes or it can be developed for evil, nefarious motivations. Times are changing and nanotechnologies including other forms of technologies are coming into existence via a rapid pace. Some in the world are obsessed with Instagrams, Twitter, cell phones, I Phones, and the like. **On the other hand, the most important thing in life is how human beings can follow the Lord and treat their neighbors as themselves.** We went from black and white TVs to 4K HD TV UD or ultra-definition Television sets in 2013. I remember using old school TVs from back in the 1980's. In our generation, learning about culture, history, philosophy, economics, anthropology, psychology, art, music, and other learned arts of man is all well and good. Yet, we also need to be cognizant to doing our best to comprehend the STEM fields too. STEM represents science, technology, engineering, and math. STEM for true human organization will be the wave of the present and definitely the future. Even in technology class back in high school (during the year of 2000), I had to use formulas, computer graphic designing techniques, and an understanding of math in order for me to successfully pass that interesting course. Henceforth, STEM is a prerequisite for us to know if we desire to grow our expertise in mathematics and technology especially. I am always savvy with my repertoire.

America has a lot of blessings and it has a long way to go in order for it to be the beloved community. We know that we need to improve ourselves culturally (since too many human beings in the USA glamorize disrespect, anti-intellectualism, materialism, violence, and other cultural imperfections), morally, economically, and in other arenas. In the USA still, we have less economic rights than do other citizens in other Western democracies. Even some European nations have the right to education to be constitutionally protected. That is taboo in America. Some European nations have total universal health care and workers in some countries in Europe have a right to unions plus collective bargaining (including some of these unions can even participate in governance via their representatives). The anti-union situation in the States was made amazingly aware via the actions of Governor Scott Walker of Wisconsin. Scott Walker stripped public workers in both the private and public sectors from organizing at all. That is why many Americans protested not only in Madison, Wisconsin, but throughout the nation. The right to health is readily denied to American workers even if these workers have jobs. Some jobs refuse to give workers health benefits. In America (unlike some European nations), you can lose your benefits when you lose your jobs. We should not be like Europeans exactly since there is beauty in some facets of American culture. **The strength of the individual, the love of courage, and the adherence to justice are positive aspects of real American living then and now. On the other hand, we should advance more human rights not just the legitimate rights that are described in the Bill of Rights & the Constitution. The struggle against poverty and oppression is still real in the world.** We still need to fight for not only economic and social justice, but for real human rights for all human beings in the globe. While in Europe in 1964 to receive the Nobel Peace Prize, Dr. King makes the following observations:

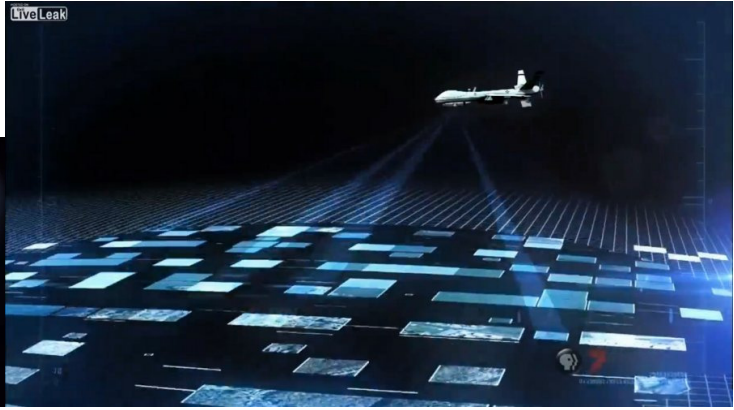
"...This was, for most of us, our first trip to Scandinavia, and we looked forward to making new friends. We felt we had much to learn from Scandinavia's democratic socialist tradition and the manner in which they had overcome many of the social and economic problems that still plagued far more powerful and affluent nations. In both Norway and Sweden, whose economies are literally dwarfed by the size of our affluence and the extent of our technology, they have no unemployment and no slums. Their men, women, and children have long enjoyed free medical care and quality education. This contrast to the LIMITED, halting steps taken by our rich nation deeply troubled me." (THE AUTOBIOGRAPHY OF MARTIN LUTHER KING, JR., 259).

For the past 32 years, we have reneged on even limited steps toward social justice. Regardless of how you feel about democratic socialism, all of us have the right to an income, to liberty, and the right to experience true happiness in the globe. The issue is that we have still many neo-feudal throwback philosophies dominating our society. The workers have been stripped of their rights. Corporations and elite institutions dominate the two party systems in America. A radical sense of selfish individualism and radical isolationism are not deeds that we need or should accept. We live in a society where we ought to depend on each other. We are all our brothers' and our sisters' keepers. Social rights means that all human beings on the face of the Earth has an inborn right to universal health care, to housing, to the right to a quality education, to economic rights guaranteed by law, etc. All human beings have the right to go into the streets and demand justice. As for the President of the United States now, he is an intellectual genius. If the President allows the FDR, RFK, Malcolm X, and Dr. King in him to come out, then America will be much better than it is presently. We know he has it in him. It is just that despite Republican obstructionism, he or the brother can do it. The choice is up to the President during this term. He can advocate real change or the status quo.

**Smart cards and RFID tags are very common in the world.** We have a surveillance society with the implanted radio frequency identification chip. There are RFID chips in passports and driver licenses in some cases. This technology has been glamorized since the 1990's. Some folks try to justify these tags as a means to maximize profits and to gain financial gains from commodities. RFID tags have computer chips with miniature antennae that can be fixed to or implanted within physical objects including humans. It has an Electronic Product Code that can be read when a RFID reader emits a radio signal. The chips



are divided into passive and active categories. A passive tag doesn't contain a battery and its read range is variable from less than an inch to twenty or thirty feet. An active tag is self-powered and has a much longer range. The data from an active tag can be sent directly to a computer system involved in inventory control or surveillance. The Consumers Against Supermarket Privacy Invasion and Numbering (CASPIAN), the American Civil Liberties Union (ACLU), the Electronic Frontier Foundation (EFF) and the Electronic Privacy Information Center (EPIC) state in a joint position paper that, "RFID has the potential to jeopardize consumer privacy, reduce or eliminate purchasing anonymity, and threaten civil liberties." These organizations noted this information about the hidden placement of tags that can violate human privacy (if these tags are placed secretly on clothing or other objects with radio waves). There can be massive databases with the tag data. This technology if used in the wrong fashion can lead into individual tracking and profiling. The Electronic Product Code potentially enables every object on earth to have its own unique ID. The use of unique ID numbers could lead to the creation of a global item registration system in which every physical object is identified and linked to its purchaser or owner at the point of sale or transfer. RFID has been under the skin for years. The corporatist police state is still strong in the United States. The elite tout the benefits of the RFID as a means to advance devices related to Homeland Security. 16 separate agencies of the intelligence community like the Terrorist Identities Datamart Environment (TIDE) that feeds the federal government's surveillance machine with the names of suspected terrorists. Many protesters have been charged with conspiracy to riot and risk facing many years in prison. As the ACLU pointed out, "These charges are an effort to equate publicly stated plans to blockade traffic and disrupt the RNC as being the same as acts of terrorism. This both trivializes real violence and attempts to place the stated political views of the defendants on trial," said Bruce Nestor, president of the Minnesota Chapter of the National Lawyers Guild. "The charges represent an abuse of the criminal justice system and seek to intimidate any person organizing large scale public demonstrations potentially involving civil disobedience," he said. It is very common to see crooked police beat and arrest demonstrators and journalists of every background. A security and privacy analyst Katherine Albrecht wrote about how RFID tags could be used to track unsuspecting human beings. She wrote how IBM patented the identification and tracking of persons using RFID tagged items in store environments. IBM decades ago was known for using tracking technology as a means to track and mass murder Jewish people and other human beings in the Shoah or Holocaust. In 2005 for example, the Senate Republican High Tech Task force praised RFID applications as "exciting new technologies" with "tremendous promise for our economy." In this spirit, they vowed to "protect" RFID from regulation and legislation. Defending our privacy rights are more important than ever since we have economic stagnation, high unemployment, continuing wars, and a crumbling empire in general. Even China's national ID cards have a huge amount of personal information, religion, ethnicity, reproductive history, employment status, etc. China is wrong for that action as well. We do not need this in America at all. *Michael Lin, a vice president for China Public Security Technology, a private company providing the RFID cards for the program, unflinchingly described them to the New York Times as "a way for the government to control the population in the future."* We don't need totalitarian methods that can harm our civil liberties at all.



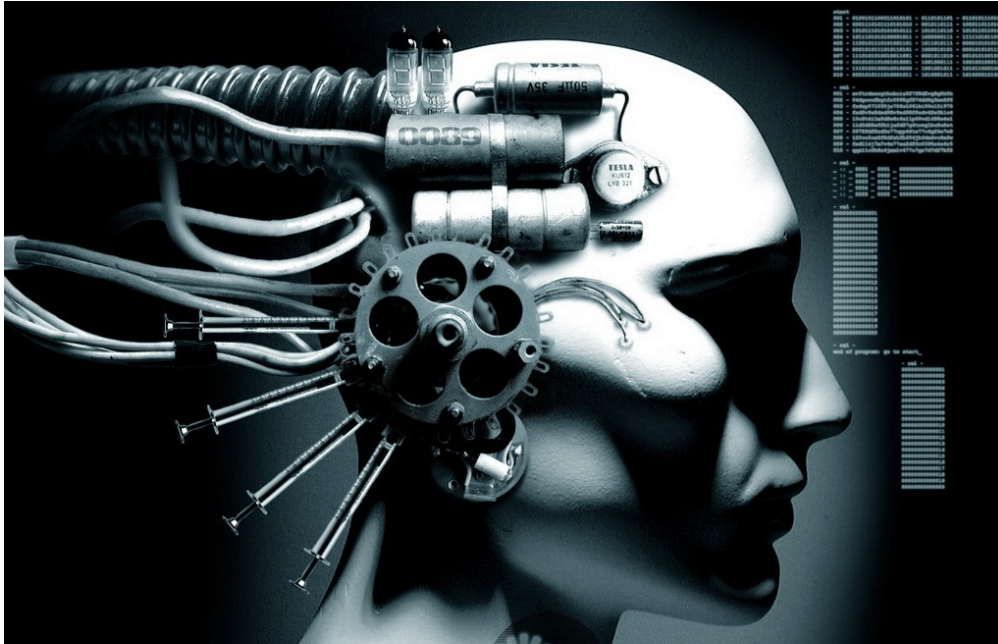
## DARPA's Devices

DARPA is shown off its 1.8 gigapixel surveillance drone. It can spot a person from 20,000 feet. DARPA and the U.S. Army has taken the wraps off ARGUS-IS or a 1.8 gigapixel video surveillance platform that can resolve details as small as six inches from an altitude of 20,000 feet or 6 km according to Extreme Tech. ARGUS is by far the highest-resolution surveillance platform in the world, and probably the highest-resolution camera in the world, period. It can be attached to some kind of unmanned UAV (like a Predator) and flown at a high altitude. It can observe an area of 25 square kilometers or 10 square miles at any one time. That is like ARGUS hovering over New York City to see half of Manhattan. Two ARGUS equipped drones and the U.S. could keep an eye on the whole of Manhattan theoretically 24/7. This is a part of the next generation of surveillance. These capacities have existed. It can fit into an UAV. The sensor of ARGUS has been classified. There have been plastic curtain on it. The technology is so advanced that it is like a 100 Predators looking at a medium sized city at once. The images from ARGUS have strong resolution. It can create a moving image. A human being can touch a screen to see moving objects and track moving objects from far distances as well. It can store 5,000 hours of high definition footage every single day. He used imaging chips from cell phones as a means to create the device. Our society is increasingly electronic with our moves increasing tracked all of the time from emails to buying purchases in everyday stores. The situation of police state like policies is very similar to the North American integration agenda. This agenda has been exposed greatly by the researcher Dana Gabriel.

The North American integration agenda continues. The U.S. and Canada has worked on this plan for a long time long. They want to implement many perimeter security initiatives with the Beyond the Border deal. Both nations signed an immigration agreement. This agreement will allow them to share biographic and later biometric information. Both nations are trying to harmonize border security and immigration measures. This is included in a North American security perimeter. This goal is nothing more than a plan for North American integration or like making North America becoming similar to the EU or the European Union. Canada is taking on U.S. security priorities and this could include a bigger role in the war on terrorism. For over a year has passed since President Barack Obama and Prime Minister Stephen Harper

has announced their Beyond the Border and Regulatory Cooperation Council action plans. During December 14, 2012, something occurred. It was when the U.S. and Canada issued the Beyond the Border implementation report. It highlighted the objectives that were achieved over the past year and the work that has yet to be done. It explained that moving forward, "Key future initiatives include harmonizing our trusted trader programs, making significant infrastructure investments at our key land border crossings, fully implementing an entry/exit program at the land border, expanding preclearance operations to the land, rail, and marine domains." The report knew that there are challenges facing the Next Generation pilot project which permit teams of cross designated officers to operate on both sides of the border. It was originally scheduled to start last summer. Gradual progress has come. Still, there is a lot of work to be done to meet the goals of the Beyond the Border action plan. Many years later, there are other aspects of the deal that will be phased in incrementally with specific deliverables due this year in 2014 and in 2015. There is the RCC or the U.S.-Canada Regulatory Cooperation Council, which is another facet of the economic and security perimeter agreement. There has been a progress report to the leaders outlines the actions made in making regulations in the areas of agriculture and food, transportation, the environment, health and personal care products, workplace chemicals, as well as nanotechnology. There has been cooperation on pilot projects, scientific and technical collaborations and harmonized testing procedures. RCC working groups have made detailed work plans for many initiatives. They want these actions to be carried out in the next couple of years. Some Canadians fear that more regulatory integration with the U.S. could weaken and erode any independent regulatory capacity. This can lead to a race to the bottom with respect to regulatory standards. In December of 2012, the U.S. and Canada signed the Immigration Information Sharing Treaty. This is related to the Beyond the Border deal. Citizenship, Immigration and Multiculturalism Minister Jason Kenney stated that the, "agreement builds on our countries' mutual efforts to protect our common borders and the surrounding perimeter, through improved screening of immigrants and visitors."

He went on to say, "Enhanced information sharing of foreign nationals will protect the safety and security of Canadians by helping us prevent terrorists, violent criminals, and others, who pose a risk, from entering Canada or the United States." Under the treaty, Canada and the U.S. will share biographic information from third country nationals who apply for a visa, a travel permit or claim asylum. In 2014, it will also include the sharing of biometric information. There are privacy concerns on how far-reaching the data collected will be shared. This threatens the sovereignty of Canada with regards to retaining control over information at its own borders. President Barack Obama signed the Countering Iran in the Western Hemisphere Act on December 28, 2012. This law was created to curb Iran's presence and activity in the region. The bill wants the DHS to work with Canada and Mexico. The goal of the law is to "to address resources, technology, and infrastructure to create a secure United States border and strengthen the ability of the United States and its allies to prevent operatives from Iran, the IRGC, its Qods Force, Hezbollah, or any other terrorist organization from entering the United States." Julie Carmichael, spokeswoman for Public Safety Minister Vic Toews discussed Canada's efforts to counter any perceived hostility from Iran in the Americas. She is quoted in the Globe and Mail as saying, "We continually assess threats while co-operating with international partners, including the U.S., to address threats to our common security." Carmichael added, "The Beyond the Border Action Plan as announced by Prime Minister Harper and President Obama provides a framework to identify threats before they reach North America." The parameter security deal allows Canada to be further aligned with U.S. foreign policy interests. Canada is playing a bigger role in the global war on terror. It is easy to tell that the Beyond the Border agreement causes more economic and security integration among the U.S. and Canada. This could evolve into the North American security perimeter. Both nations are in Trans-Pacific Partnership negotiations with Mexico and other member nations. They want to create a free trade area of the Asia Pacific and could be used to update and expand NAFTA. There is the issue of North America's energy future. The President will soon make a decision on whether to go ahead with expansion of the Keystone XL pipeline this year. Meanwhile, there is growing environmental opposition to the proposed project which would carry oil from western Canada to the Texas gulf coast.



## A Short Summary of Transhumanism

*The National Intelligence Council predicts a very transhuman future by 2030 for the world. This is described in their 140 page document. This work is similar to the National Science Foundation's groundbreaking 2003 report, [Converging Technologies for Improving Human Performance](#) — a relatively early attempt to understand and predict how advanced biotechnologies would impact on the human experience. The NIC's new report, [Global Trends 2030: Alternative Worlds](#), follows in the same tradition — namely one that doesn't ignore the potential for enhancement technologies. The recent report claims that prosthetics will be just as good as or better than organic limbs. The military wants to rely on exoskeletons as a means to help soldiers carry heavy loads. You can theoretically have psychostimulus to help soldiers have active activities for longer periods of time. The National Intelligence Council is a high level agency. It is heavily known for making National Intelligence Estimates. These estimates forecasts predicting future trends and issues of the next 15 years. These extensive reports are produced every election year and are directly delivered to the incoming President between Election Day and Inauguration Day. The newest NIC report was released on December 2012. It was entitled, "Global Trends 2030: Alternative Worlds." It discussed several issues like the decline of the role of America as a global policeman and the rise of non-state actors in the world politics. It mentioned the key issue of a fast paced race towards transhumanism. The aspect of human augmentation will be discussed more in the next 15 years as new technologies will allow numerous modifications.*



*These modifications range from implants, prosthetics, powered exoskeletons, and other human augmentation enhancing innate human abilities. This plan can be used on soldiers, workers, and anyone that can afford them super human capabilities whether physical or mental. The mainstream media and the establishment advances transhumanism all of the time.*

*Many have used transhumanism in an esoteric scene. For years, many occultists want to believe that transhumanism is some gateway into godhood or immortality. We know that one leading transhumanist philosopher Max More is a Luciferian. Max More believes in Lucifer and that the God of the Old Testament is the enemy, because he threw Lucifer out of Heaven (and he felt that Lucifer wanted to give man knowledge alone). Max believed in the false notion that Lucifer is a force for good. The richest and most powerful folks in the world will mostly have access to this high tech transhumanist technology. The National Intelligence Council said that following on this issue: "...The high cost of human augmentation means that it probably will be available in 15-20 years only to those who are able to pay. Such a situation may lead to a two-tiered society..." Some fear that some of the elite will try to make some superhumans as a product of accepting this transhumanist philosophy. This agenda is found in television, video games, etc. In the future, advances in neurosciences and future brain machine interfaces may come about more readily. There are advances even in flexible biocompatible electronics that will enable improved integration with cybernetic implants. We live in a time of class struggle. We are not just fighting against economic exploitation. We are fighting against ignorance, and despotism. Even one party that claims to be for the people is now part of the oppressor class since they break bread with the cartel capitalist co-conspirators. The state is being used as a means of the ruling class to maintain its monopoly of violence via the military, police, the national security state, etc. over human beings. Therefore, we must not advance aristocracy or oligarchy. We want have a genuine commonwealth where the common good of all human peoples is respected 100 percent.*

### **The Pentagon's Secret History**

The Pentagon has depopulated areas for years. There was the replacement of Native Americans by colonizers with new settlements growing in the United States westward. Back during the Great Depression, poor human beings were evicted from their homes. Their lands became more areas for national parks. These matters were in the past and now they exist in the present. Some environmental disasters have displaced people. The human beings displaced in several occasions are regularly the poor or the marginalized. Now, we witness about 1,000 plus military bases standing today in some 175 foreign countries. The military occupy the lands for other reasons other than lives of the folks in those lands. Yet, the U.S. military has displaced and continues to displace lands in foreign lands as a means to construct its bases. Entire populations of villages and islands have been harmed in contradiction of international law. This is contrary to the tenets of human decency and other tenets that we should stand for. The United States government continues to deny displaced populations the right to return to their homelands. We know that the state have bombed and burned entire villages in wars and non-wars. We know that millions of refugees have existed as a product of the Iraq and Afghanistan wars. We know about the evils of drone attacks in Pakistan. Now, we see the international displacement of particular populations moved out of the way of base construction and many human beings left alive to struggle as refugees in exile. In the Philippines, America built bases on lands belonging to the indigenous Aetas people. Now, the Aetas

in some cases tried to comb trash to survive. In WWII, the U.S. Navy seized the small Hawaiian island of Koho'alawe for a weapons testing range and ordered its inhabitants to leave. The island has been devastated. In 1942, the Navy displaced Aleutian Islanders. President Harry Truman displaced the 170 native inhabitants of Bikini Atoll since he deduced that they had no right to their island without evidence. They were evicted in February and March of 1946. They dumped the refugees on other islands without means of support or a social structure in place. Years later, America would remove the 147 human beings from Enewetak Atoll and all the people on Lib Island. U.S. atomic and hydrogen bomb testing rendered various areas depopulated and still populated islands uninhabitable leading to more displacements. Up through the 1960's, the U.S. military displaced hundreds of human beings from Kwajalein Atoll. The super densely populated ghetto was created on Ebeye.

On Vieques, off Puerto Rico, the Navy displaced thousands of inhabitants between 1941 and 1947 announced plans to evict the remaining 8,000 in 1961. Yet, it was forced to back off and in 2003, America stopped bombing the island. In nearby Culebra, the Navy displaced thousands between 1948 and 1950 and attempted to remove those remaining up through the 1970s. Now, the Navy is considering having the island of Pagan as a possible replacement for Vieques. The population has been removed by a volcanic eruption. During WWII and toward the 1950's, the U.S. military displaced a quarter million Okinawans or half the population from their land. This forced human beings to be in refugee camps and shipped thousands of them off to Bolivia. This was where land and money were promised, but they were not delivered. In 1953, the United States made a deal with Denmark. The deal was to remove 150 Inughuit people from Thule, Greenland, giving them four days to get out or face bulldozers. There is the story of Deigo Garcia that has been mentioned in David Vine's book entitled, "Island of Shame." Between 1968 and 1973, the U.S. and Great Britain exiled all 1,500 to 2,000 inhabitants from the island of Diego Garcia in the Indian Ocean. The folks were ordered onto overcrowded ships and dumped them on docks in Mauritius and the Seychelles. Foreign and distant including unwelcoming lands for the indigenous population were found in Mauritius and the Seychelles. This was sweeping. This act was illegal and barbaric. The Queen of England and her Privy Council bypassed Parliament. The Pentagon lied to Congress and hid its payments to the British from Congress. The planners even lied to themselves. Having originally envisioned a communications station, they concluded that advances in technology had rendered that unhelpful. So, Navy schemers decided that a fueling station for ships might offer a "suitable justification" for building a base that was actually a purposeless end in itself. But the Pentagon ended up telling a reluctant Congress that the base would be a communications station, because that was something Congress would approve. The evictors lied and said that the people were migrant workers not native to Diego Garcia. Sir Paul Gore-Booth, Permanent Under Secretary in the Foreign Office of the U.K., dismissed the island's people in bigoted terms.

On January 24, 1971, remaining inhabitants of Diego Garcia were told they'd need to leave or be shot. Dogs were rounded up and killed in a gas chamber as they watched. Folks took a small box of possession to leave. The land became a military base. Some prisoners kept there were treated as bad as Guantanamo Bay. Red Cross journalists didn't visit. The United States has *de facto* control of Diego Garcia, while the U.K. has technical ownership. The Pentagon is not interested in allowing the island's people to return. The U.S. Navy made the South Korean government to devastate a village (including its coast and 130 acres of farmland on Jeju Island with a massive military base). This story is best told in [Regis Tremblay's](#) new film [The Ghosts of Jeju](#). This is not a tragedy from the past to be remedied but a tragedy of this moment to be halted in its tracks. Tremblay's film exposes the abuse of the human beings of Jeju. There is a resistance movement in the military occupation of the location. There are still those fighting in the anti-base efforts of Jeju Island. Even now, the U.S. funds, arms, and protects the Israeli policy of displacement of the Palestinians and the denial of the right to return. The struggle continues and evil displacement should be exposed fully.



## Big Brother in the 21<sup>st</sup> Century

**There are many facts that we live under a heavily Big Brother system in the world not only in the West per se. A futuristic control grid has been growing in the 21st century. Meanwhile, some deluded human beings are obsessed with television and various forms of mundane entertainment. Here are some examples:**

\*Even now, there is strict Internet censorship in various nations, even in China. President Nicholas Sarkozy of France according to the New York Times wants stronger Internet regulation. This is opposed by numerous Internet companies and free speech groups.

\*Chinese government blocks any websites that talks about certain topics like the Dali Lama, the 1989 crackdown on Tiananmen Square protesters, and Falun Gong. Even web searchers for the English word of "freedom" are blocked.

\*The UK has more surveillance cameras per citizen than anywhere in the world. There are an estimated 5.8 million video cameras constantly watching every move citizens make in the UK. In the UK, thousands of so-called "dysfunctional" families in the UK are being subjected to intensive 24 hour surveillance to make sure that their children attend school, go to bed on time, and eat proper meals. This is taboo even in America. Every phone call, text message, email, and website visit made by private citizens in the UK will be stored for one year and will be available for monitoring by government agencies. The U.K.'s new Internet law includes a "three strikes" rule that allows your entire family to be cut off from the Internet if anyone who lives in your house is accused of copyright infringement – without proof or evidence or trial.

\*DARPA has developed a new video surveillance technology that many are warning will bring about the end of public anonymity according to the ExtremeTech blog. The U.S. Department of Agriculture is spending huge amounts of money to install surveillance cameras in the cafeterias of public schools so that government control stalkers can closely monitor what our children are eating.

The FBI surveillance teams regularly employ warrantless GPS tracking to monitor the actions of even peaceful activists (even if they are not suspected of ever committing a crime). We know about the Federal VIPER teams that made a series of internal checkpoints all across the United States of America. This program worked alongside roadside inspections of commercial vehicles. They set up a network of internal checkpoints and roll out security procedures already active in airports, bus terminals, and subway stations to roads and highways across America.

Even in 2010, one shocking McClatchy-Opsos poll found that 51 percent of Americans agree with this statement: "It is necessary to give up some civil liberties in order to make the country safe from terrorism."

\*Now in early 2013, DARPA is considering deploying technology on the ocean floor. They want to find ways to store technology like drones on the ocean floor until needed by the U.S. Navy. The Navy wants to ship items globally. DARPA's new program, called Upward Falling Payloads, would help address that challenge by storing a range of technologies in waterproof containers deep in the ocean. When needed, the containers could be awakened remotely and brought to the surface. They want to use sensors and other forms of ways to transport cargo from place to place. "The goal is to support the Navy with distributed technologies anywhere, anytime over large maritime areas," said program manager Andy Coon in a written statement. "If we can do this rapidly, we can get close to the areas we need to affect or become widely distributed without delay." The research agency envisions the "just-in-time payloads" would be used for situational awareness, networking, rescue, disruption, deception or other capabilities that could be distributed in advance and hidden in place. In one example, DARPA said small unmanned aerial vehicles could be housed in underwater capsules that could be brought to the surface and launched to provide aerial surveillance or serve as decoys. DARPA wants the ocean depths to have cheap stealth. This means that the Navy can have more reach to launch system without requiring ships or aircraft. DARPA claims that these undersea containers are not needed for weapons systems.





David McCorkmack from the Daily Mail on April 7, 2013 described about a new technology. There is a headcam that makes a police officer look like a Robocop figure. Some police officers can be equipped with cameras attached to their uniform recording incidents as they happen and providing valuable evidence in the fight against crime. Teaser International manufactures stun guns, which are regularly utilized by the police. Now, they are forming this technology, which could be the next major advancement in policing. The Axon Flex is similar to the Glass project being developed by Google. It is made up of a head mounted camera worn by officers to record evidence from incidents as they work their patrols. Tasers are used by almost 90 percent of America's 18,000 police departments. Taser has been accepted into Google's Glass Explorer program to look at future of law enforcement. The company wants this type of technology to be included in everyday police work by the next ten years. This Taser Axon flex camera is high tech. It is versatile. It is certainly a tool in the further militarization of the police. It is part of the continuation of much of the police state system that we have in society. The folks in love of this technology believe that they want to get human beings safe. The camera can make seeing in dusk must better. The promoters of this technology mention that they want to protect officers from so-called "false claims," but what about protecting the

citizens. It can stream video into Apple and other devices. You can share files in evidence.com. The Flex can select options and manage digital data. Also, the officers can operate the device and the data can be omitted in parts that the officer doesn't want the public to know about. Footage can be deleted at the officer's discretion.

### **In the age of Obama, the reactionaries are much worse, but we are not in the Promised Land yet.**

The Left/Right paradigm is real. The American establishment left and the American establishment right views each other as enemies in their own eyes. The Left is right that private power can be used for evil. The Right is right that the government can also be used for evil. What they do not agree in many levels is that the power structure will exploit private power and government for evil purposes (while righteousness can be advanced by both the private sector and the government if necessary reforms comes in ending the grip of the oligarchy inside of the American political consciousness). Both the Left and the Right know that you have to restrain power in the state & private interests as a means to prevent oppression, but they have opposite positions on the source of the oppressive power and remedy. That is why Obama and Bush are wrong in the sense that each administration has a preoccupation with the maximization of executive power at the expense of the minimization of the citizen's civil liberties or the people's power. We know that **the Bush/Cheney regime** was wrong to have massive tax cuts for the rich and massive deregulation in our nation's infrastructure. Yet, did the so-called progressive President Barack Obama reverse Bush's destruction of habeas corpus and due process? No. Did President Barack Obama end the Patriot Act? No. The power of the people is still threatened by Wall Street and other interests. We can be executed in foreign lands without due process of law via assassinations now, even if we are U.S. citizens (only by a classification of terrorist). The political establishment justified these and other evils under the guise of protecting us from terrorism (**when terrorism has been done by the CIA, the FBI, the MI5, the MI6, the Mossad, etc. for decades**). The state can do some good in the world, but its power has to be checked. The Right and Left go back and forth on the evil of either government or the private sector in endless debates when the truth is that **real power in the hands of the people is better than power in the hands of oligarchy**. The reality is that the executive branch and other branches gained dictatorial like power, deregulation existed, and human power is constrained on the majority of the American human populace. That is why we have economic inequality and other social ills in the world. Much of the government is dominated by corporate, oligarchical interests (made up of the military/security complex, Wall Street and the financial sector, the Israel Lobby, agribusiness, pharmaceuticals, and the energy, mining, and timber businesses, etc. Yet, it is true to mention that many sincere Israelis and Palestinians want peace). Our money has been wasted in the war on terror, our savings have been exploited to bail out criminal banks, and even legitimate protesters have suffered (via brutalization by the police and slandered as domestic terrorists according to Homeland Security). The big picture is that we need to target the evil elitist power structure without the abolishment of all public or private services at all. We fight against the redistribution of wealth to the richer. **I do realize that President Barack Obama is not to be blamed for all evils in the world. Yet, he is still accountable for some of the things going on in the world. Any human being is accountable for their actions or policies.** Economic inequality now in America is worse than it was in the Gilded Age. Overall, between 1993 and 2011, the top 1 percent's incomes surged 57.5 percent, while the incomes of the bottom 99 percent grew just 5.8 percent, according to Saez. The former head of the National Security Agency's global digital data gathering program – William Binney – says that the pervasiveness of spying under Obama has only "gotten worse." We also need a fight for a return to our civil liberties. It is also true that even some mainstream Democrats agree with the White House's reactionary national security policies of drone attacks to Africom's neo-imperialism in Africa. **Yet, our oppression came before the brother President Barack Obama was in office. The brother is not to be blamed for all of the evils in America right now at all. It is a bigger situation than him.** Freedom is an eternal struggle, so we need to place the truth in context. The system of white supremacy is bigger than the influence of the White House for white supremacy is one key way that our oppression is in existence. Therefore, we should continue to have hope and fight for the liberation of all peoples of the Earth. This

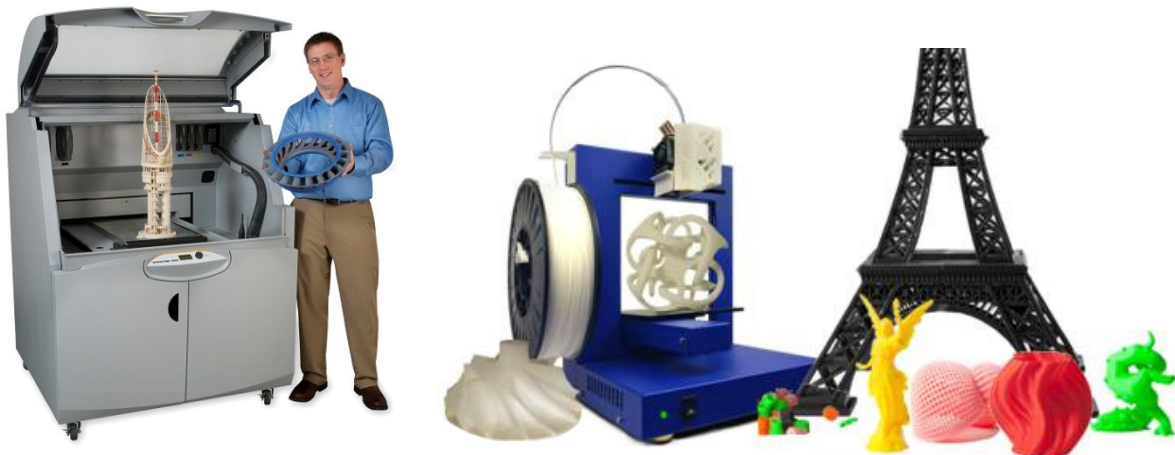
doesn't mean that the White House is off the hook since they are accountable for war mongering, for loving the Simpson/Bowles agenda, and for other errors as well.

Eric Schmidt believes that Google AI will be indistinguishable from humans within a decade. Eric is the CEO of Google. He wants his company to be capable of developing artificial intelligence for its programs. He wants it to be indistinguishable from a human being within 5-10 years. He talked about these issues in a question and answer session at Google's Big Tent event. This took place at the week at the luxury Grove Hotel in Watford, UK. He responded to the question, "How soon before Google Now passes the Turing test?" The Turing test was a concept that was introduced in 1950 by the British mathematician and computer scientist Alan Turing. It measures a machine's ability to exhibit behavior equivalent to a real human being. He mentioned that IBM's Watson computer won Jeopardy. Schmidt said that Google could do it in five to ten years. The Big Tent event is the more public version of Google Zeitgeist, a private function that features a rat of influential speakers from the world of technology, business, academia, and politics. Google's primarily vehicle for its artificial intelligence technology could be Google Now. That is the voice recognizing search product which is being hyped as a tool that will eventually be able to manage almost every aspect of your life. Eric Schmidt has never shied away from his vision. This can be dystopic to some. Transhumanists believe where robots will play a central role in managing human affairs. The Google CEO wants to swallow nanobots every morning that would regulate the functioning of his body. He wants to send his robotic clone to social functions. Some top futurists like Ray Kurzweil have embraced Schmidt's vision and took it even further writing that within decades man will merge with machines. He said that by 2099 the entire planet will be run by artificially intelligent computer systems which are smarter than the entire human race combined similar to the Skynet system fictionalized in the Terminator franchise. These predictions are allied with Schmidt's drive to see them come to fruition. Ironically, Kurzweil was hired by Google last year to oversee the company's project to produce an artificial brain. Kurzweil spoke the following words in an interview with Wired, "A lot of (sci-fi) movies about artificial intelligence envision that AI's will be very intelligent but missing some key emotional qualities of humans and therefore turn out to be very dangerous." It is also important to realize that we should fight for action in society. The White House has made errors in society, but even the White House is not to be blamed for all evils in America or the world. Many reactionary Republicans refuse to spend money on infrastructure development or a jobs program nationwide. America ought to be rebuilding of its bridges, roads, hospitals, and other forms of its powerbase. Now, we do count. Never let anyone tell you that you do not count. The reason is that Rosa Parks and other heroes counted when they put their lives on the line in order to cause America to be a fairer and just society. We have every right to have hope in society and to do action as a means to make the whole better.

**Only via struggle and action can real progress can be made. The reason is that you have to fight evil by being in the struggle to be made politically aware of our situation (to maintain our cultural essence). We must use action to have success.**

**It is easy to witness that police state like policies and police state like laws still pervade the lands of not only in the West, but throughout the Earth. The truth is that you bring**

heat like the sun, but correct always comes from the waters of righteousness to clean up fires of deception in order to make a resurrection of truth & wisdom. You just don't need just to protect your neck, but we all should protect core, authentic principles too. I don't have poisonous thought. I just have thoughts about peace, joy happiness, and justice. Since the 1980's, I continue to be on a mission for advancing hope and true liberty for all humankind.



### 3-D Printers

3-D Printers are one of the futuristic devices that are here now. **3-D Printing** is when you have a process of making a three dimensional solid object of virtually any shape from a digital model. It is achieved by using an additive process. This process is when you have successive layers of material being laid down in different shapes. This action is totally different from machining techniques that mostly rely on the removal of material by methods like cutting or drilling (**being called subtractive processes**). There must be digital technology as a key ingredient in accomplishing 3-D printing. By the early twenty-first century today, there has been a large growth of the sales of 3-D printing machines. Therefore, their price has dropped massively or substantially. It is heavily used in jewelry, footwear, industrial design, architecture, engineering, and construction. It can be found in tons of other fields like automotive, aerospace, dental, medical industries, education, geographic information system, civil engineering, etc. Now, the 3D printing action is made up of modeling and printing for the most part. **The modeling action is done with the aid of CAD or computer aided design or animation modeling software.** It slices the blueprint into digital cross-sections for the machine to make a guideline for printing. There are different machines used to build up the layering process. The standard data interface between CAD software and the machines is in the STL file format. The STL file is approximates the shape of a part of assembly using triangular facets. Other facets can create a higher quality surface. Now, to print, the machines reads the design from an stl file and lays down successive layers of liquid, powder, paper or sheet material to build the model from a series of cross sections. These layers correspond to the virtual cross sections from the CAD model. The layers are joined together or automatically fused to create the



final shape. This technique is used to create almost any shape or geometric feature. Printer resolution shows the layer thickness and the X-Y resolution in dpi (or dots per inch). The printing process is long since it can last for a few hours or a couple of days. Additive manufacturing can be faster, more flexible and less expensive when producing relatively small quantities of parts. 3D printers give designers and concept development teams the ability to produce parts and concept models using a desktop size printer. Some printers can print in multiple colors too.

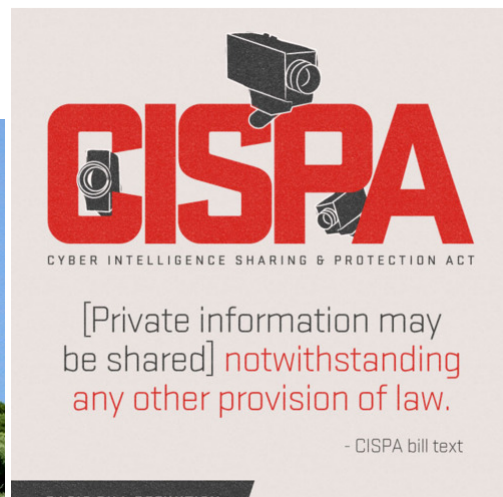
Such 3-D printing processes have been invented since the late 1970's. Some believe that such technology has been around back in 1844. That was the year when David Brewster invented the stereoscope. The 3-D printers have been used domestically to create art, cups, face models, and research. It can increase manufacturing and cause manufacturing to be more flexible. One of the controversial aspects of 3-D printers includes Cody R Wilson printing out a semi-automatic rifle. Wilson wants to prove a point that gun rights is important to embrace, but his actions are controversial. The 3-D printing revolutions continues. According to the influential journal of the U.S. Naval Institute named, "Proceedings," 3D printing will radically change naval construction and logistics. Navy lieutenants Scott-Peters and Matthew Hipple said that 3-D printing will can allow for th designing and building of ships, submarines, aircraft, and all things carried on a naval ship. Scientists are now printing stem cells and some want to create human tissue with the 3D printing technology. Embryonic stem cells is controversial though. This action is being done by a team from Heriot-Watt University, Scotland, led by Dr. Will Wenmiao Shu. The team hope that they could create a human liver by 2015. **"In the longer term, we envisage the technology being further developed to create viable 3D organs for medical implantation from a patient's own cells, eliminating the need for organ donation, immune suppression and the problem of transplant rejection"** is a quote from Dr. Shu. Dr. Shu's team are working with Roslin Cellab, a leading stem cell technology company. The company has a good track record of applying new technologies to human stem cell systems and will take the lead in developing 3D stem cell printing for commercial uses. Industrial designer Joshua Harris believes that by 2050, there can be 3D printers that can make clothing, especially in urban locations via unique cartridges including contact with stores.

## **The Homeland Security's Special Response Team**

In modern America, we have an unique police state system. It is not equivalent to the Nazi's SS, but this system has controversial aspects to it. The DHS created their new, effective paramilitary forced called Homeland Security Investigations, Special Response Team or SRT. The HSI-SRI admits their role in American society. The Sarasota Herald Tribune reported on this issue. Their story is entitled, "The law enforcement agency you've probably never of" written by Shannon McFarland. There is a strange reference as to the size of the HSI of having 6,700 plus special agents caused folks to know that this powerful group is very strong. In fact, the DHS website talks about the HSI in their way. Their website mentioned the following about HSI: **"...In addition to ICE criminal investigations, HSI oversees the agency's international affairs operations and intelligence functions. HSI consists of more than 10,000 employees, consisting of 6,700 special agents, who are assigned to more than 200 cities throughout the U.S. and 47 countries around the world..."** SNN News is a local cable news outlet that covered the HSI in a story on March 13th. There have been stories about the allusion to the donation of MRAPs by the United States Marines Corps to the DHS-HSI units. These stories confirm that the DHS dealt with some MRAPs when the DHS once denied it. In fact another video from the El Paso talked about the TX HSI-SRT unit, which was produced by Fire and Police Videos and it was posted on

*YouTube.* The video seems to further confirm this purchase was made at some point in the past but creates more unanswered questions. Why would the U.S. government need a paramilitary force with armored cars used by the military for domestic law enforcement functions? Why do they have their own fleet of black helicopters either? There are many brave folks who posted videos of the UH 60 Blackhawk helicopters in action. They worked with local law enforcement in a training exercise as well. Many Blackhawk helicopters have worked with Brickell, Florida in the middle of the night of 2011. They did the same in South Florida and Chicago via training in 2012.

There are paramilitary training exercises in America as a means to condition the American public to love SRT or Special Response Teams in action. There are over 200,000 Private Security Contractors or the PSCs. These are mercenaries like the former Blackwater, etc. Many of the actions done by these parameters are in violation of Posse Comitatus restrictions. HSI is the largest law enforcement agency in America. The *Sarasota Herald-Tribune* piece hit upon one particular aspect which provided me with grave discomfort as to the role of the Federal Government within local law enforcement. During 2010, Dontae Morris killed two Tampa police officers and four other men during a crime spree which caused a massive four day manhunt. The police (via the Tampa Police Department, Hillsborough County Sheriff's office, Florida State Patrol, and FDLE) could have handled this situation alone, but the HSI participated in the manhunt. The DHS-HSI acts as some domestic police force. There are drone technologies used by ICE as well. There has been a debate with using drone technology in American soil. There is the Shadowhawk as a mean to be used a police drone with tasers that can shoot 4 barbed electrodes (in up to 100 feet). It has a **37mm or 40mm grenade launchers and or a multiple shot 12 gauge shotgun. It has been used to kill folks in Afghanistan and Iraq for years. It is now being used in the States.** That was two years ago which means the capacity to terminate individuals without the right to due process exists today and an even more updated version of this machine is probably in production if not the deployment of such items are really being sent to local agencies as well. These weapons could be utilized by the DHS-HSI units at this very moment.



## CISPA

The Cybersecurity bill CISPA harms the Fourth Amendment indeed. The House last week voted 287 to 127 for this legislation. The bill allows the government to have easier access to data from Internet companies. The proponents of this bill believe that it is just made as a way to protect tech firms (like Facebook and Google) including financial institutions from cyber-attacks and theft of intellectual property. The establishment wants to identify sophisticated hackers and allow companies to react quickly to attacks. CISPA takes government access too far. That is why even Silicon Valley Reps. Zoe Lofgren, Anna Eshoo, Jackie Speier, and Mike Honda still are fighting to safeguard consumers' most sensitive data. Lofgren supports President Barack Obama's threat to veto the act if it isn't amended. She is

concerned that it would override all existing state and federal privacy laws, an appalling overreach. The law removes tech firms' liability and it eliminates a potentially huge, costly risk if they turn over users' private emails, their browsing history, and even medical and financial records whenever the government broadly defines them to be related to a cyber-war. The bill could give the military and the National Security direct access to virtually all information about Internet user if firms allow it as they're encouraged to. Human beings have the right to be secure in their persons, houses, papers, and effects against unreasonable searches and seizures (**as found in the Fourth Amendment**). Lofgren says the current version of CIPA threatens to throw out the Constitution "whenever something bad happens." Many Valley companies are in favor of the bill. Sharing information about cyber-attacks has significant value to them and freeing them from liability is an evil bonus. The California Legislature is examining bill called AB 1291. It would increase consumer protection online, requiring companies to fully inform them of any personal data that's being collected and shared for business purposes. But it wouldn't offer protections from CIPA if the feds claimed there was a cyber-threat, unless the Senate or Obama acts. There is nothing wrong with online commerce. It is part of our economy. CIPA is all about government spying with a violation of the Fourth Amendment. It can be stopped and it must be stopped. There is the FBI conducting gun sweeps in Oakland, California. FBI agents and local police SWAT along with California Highway Patrol conducted a massive sweep of Oakland. They barricaded several streets and closed down certain parts of the town for more than an hour.

"It appeared to be an extensive operation with many officers involved," KTVU reported, adding, "There were agents carrying out actions in numerous parts of the city Wednesday night." Under the guise of serving warrants for drugs and weapons charges, armored vehicles and helicopters circled overhead and assisted the patrols as law enforcement allegedly. This comes after the controversial SB140 was passed in California. The law claims to confiscate guns from folks with serious mental illness and criminal convictions. Reportedly, the tax-payer funded Oakland police did not feel it necessary to divulge details to news crews the night of the raid, saying "they were not at liberty to discuss what the action concerned." That was evil since human beings have the right to know what is going on. This comes after the Watertown, Mass. lockdown when there was a hit squad of 9,000+ police could barely locate a lone unarmed 19 year old. The issues of gun control and terrorism are being exploited as a means for the state to make the public to accept militarization of society basically. A police state is anti-American. Oakland is one of the cities that are one of the gems in the fight against police abuse and tyranny. That is why the elite targeted Oakland on many occasions. So, we have to fight for a real liberty based society. The enemy is not playing. Yet, the enemy will lose in the end, because the truth is superior to evil and lies. CIPA has been halted in the Senate for now. That is great news.

## **NSA Spying**

The NSA spying is real. This scandal has been going on for years. There is no need for obfuscation here. It is wrong for anyone to intentionally spy on citizens period without the due process of law. There are plenty of things wrong with the NSA collecting your phones. We see that Verizon is being forced by the government to disclose telephone records of all of its customers. Some of us want our call records to be private, but some of them are revealed to the government. We can't even keep them private even if we want to. All cell phone usage are tracked. The government spying on us is common now. We have the right to our thoughts. The government claims that it will use the data to catch terrorists or potential terrorists who intend to violate the rights of innocent people. The reality is that terrorists are a minor threat to society except if you mean criminal elements in the government (or government monitored or funded terrorists). For the past 10 years, the military industrial complex is more of a threat to us (via their totalitarian moves and unjust laws) than independent terrorists. Now, we know

that NSA whistleblowers have said publicly that spying operations against Americans have been going on for years and it involved all major U.S. phone companies. "NSA has been doing all this stuff all along, and it's been all these companies, not just one," William Binney told news program Democracy Now on Thursday. "They're just continuing the collection of this data on all U.S. citizens." Binney, who worked at the NSA for almost 40 years, left the agency after the attacks of 9/11, because he objected to the expansion of its surveillance of U.S. citizens. British newspaper The Guardian late Wednesday released an order from the secret Foreign Intelligence Surveillance Court, requesting Verizon to give the NSA the details on every phone call on its landline and wireless networks on a daily basis between April 25 and July 19. Binney estimates that the NSA collects records on 3 billion calls per day. The alternative media have accurately reported on this story for years. Now, we know that the **PRISM** operations include most of the dominant global players of Silicon Valley. They are listed on a roster that bears their logos in order of entry into the program: "**Microsoft, Yahoo, Google, Facebook, PalTalk, AOL, Skype, YouTube, Apple.**" PalTalk, although much smaller, has hosted significant traffic during the Arab Spring and in the ongoing Syrian civil war. This is a development that confirms the truth that both parties in the same boat. According to NBC News, under post 9/11 Patriot Act, the government has been collecting records on every phone call made in the U.S. The government lied that it is only tracking metadata such as the time and place of the calls excluding the actual content of the calls.

The American government have collected and stored every phone call, email, etc. for years. The Wall Street Journal reported today that the NSA spies on Americans' credit card transactions as well. Some states want to use drones to surveil society beyond just training. Violations to our civil liberties occur all of the time and this have been documented by activists from across the political spectrum. Even Wall Street Journal reporter Julia Angwin said something. She covered the surveillance state in America greatly. She said that the U.S. surveillance regime has more data on the average American than the Stasi ever did on East Germans. The state's illegal spying inside of America started long before 9/11. The ACLU published a map in 2006 showing that nearly two thirds of the American public (or 19 million human beings) live in a constitution free zone within 100 miles of land and coastal borders. This area is where the government can make excessive searches of human beings (or even warrantless searches against American citizens within a certain parameter of the American border).





## Some Good News

Folks from Seattle and Charlottesville, Virginia rejected police drones. Many individuals are waking up all of the time. **Tons of Americans don't want drones flying over their cities and towns. Many corporate lobbyists, politicians, bureaucrats from the DHS, county sheriffs, city police, and others have debates or discussed this issue. The President has used drone attacks in foreign lands. There has always been resistance to tyranny in this nation's history.** In Seattle, citizens fought against the Seattle Department's plans to use surveillance drones. After the Public Safety, Civil Rights, and Technology Committee hearing, the program has been scrapped. This comes about the controversy relating to Obama's CIA Director Nominee named John O. Brennan. He is the pioneer of many U.S. military secret drone assassinations. President Barack Obama was elected by a liberal wave and his support of this man (**who advocated anti-constitutional and anti-human rights policies**) is highly troubling. The President himself signed the bill in early 2012 that caused about 30,000 drones in the domestic U.S. to be operated by the Department of Homeland Security and local police departments. Seattle was one such city scheduled for adoption of a junior "Skynet" beat program. It is no secret that there is a Washington D.C. based agenda that wants to have drone shown all over America. Seattle's Police Department had obtained these two small drones through a *federal grant*. Seattle Mayor Mike McGinn said that he discussed the drone issue with Seattle Police Chief John Diaz. They agreed to end the unmanned aerial vehicle program. The reason is that they wanted to utilize their resources in improving the public safety and community building work in the city of Seattle. Previously, numerous public protesters have gathered in the October public meeting on the city's new drone program. The police backtracked on that agenda completely. *"The testimony*

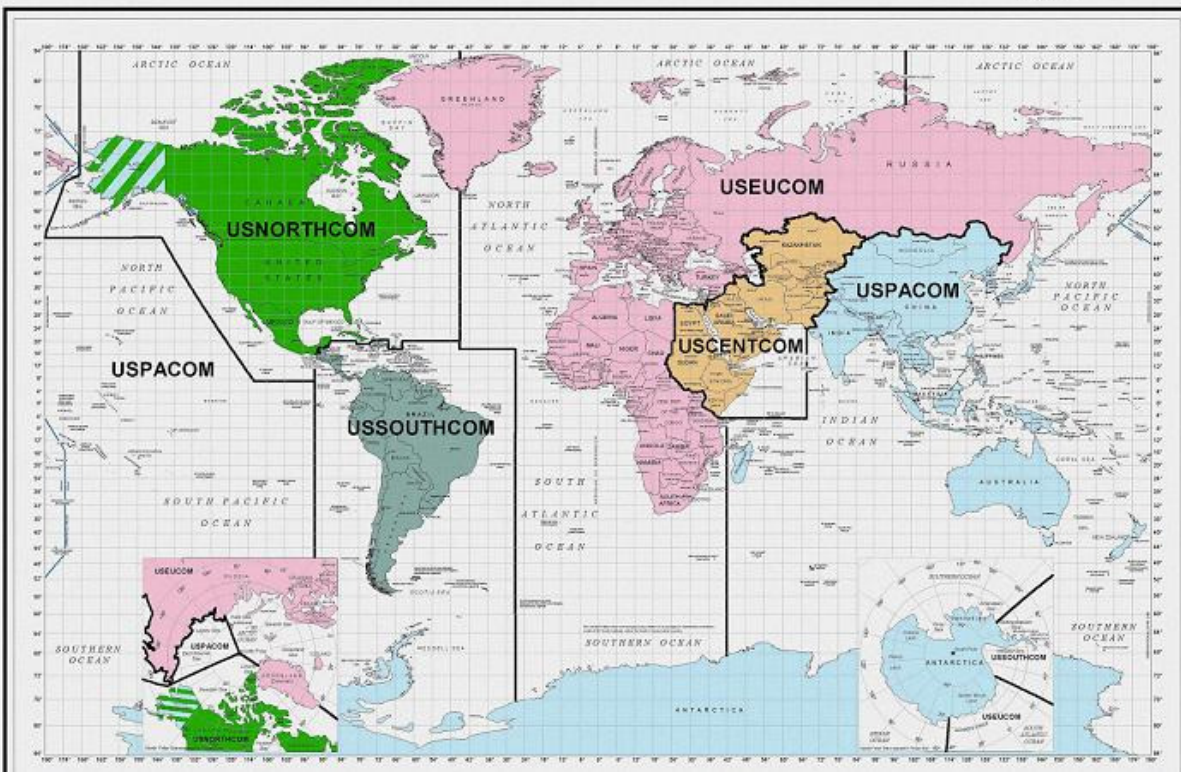
*opposing drones has been overwhelmingly clear that the 11 people who testified this afternoon, all of whom testified against the use of drones, was symbolic of the general reaction we are getting,”* said Chairman Bruce Harrell. Compared to other direct actions, this was a relatively modest effort, which should encourage other citizen groups keeping the encroaching police state at bay – for now at least. Mia Jacobson who represents the citizen group *StandUP* explains, *“If 11 voices can protect the people from flying government robots watching their every move – what can 20 voices do? What can your voice accomplish?”* Charlottesville, VA rejected drones by issuing a two year moratorium on their use. A civil liberties group named The Rutherford Institute was involved in making this happen. FOX News reported that the U.S. Department of Homeland Security drones to enter Washington State airspace occasionally. They want them to patrol the Canadian border east of the Cascade Mountains. The two 10,000 pound Predator-B unmanned aircraft are based in North Dakota. Senator Diane Feinstein chaired Obama's CIA directorate confirmation hearings for drone lover John Brennan. Protesters came from protesters from Code Pink and other anti-war demonstrators who were able to gatecrash the DC venue. Brennan agrees with U.S. state sponsored murders by unmanned drones abroad by claiming that drone strikes are used only against targets planning to carry out attacks against America. This missed out the extrajudicial nature of the killings including about 100 dead children.



## Conclusion

Technology is very anti-privacy on numerous affairs. The cell phones nowadays have tabs on human beings. Bush Jr. allowed many cell phones to allow the feds to physically track human beings in America via both triangulation and GPS and to be monitored in real time (via the microphone or

camera). The current administration fought in court in 2010 to keep this policy active. Even if a cellphone in our modern age is turned off, the feds and the police can still activate the microphone. Some have to literally get rid of the battery as a means to stop the establishment or the feds from tracking you. More sophisticated phone has even more advanced methods in studying human behavior and tracking individuals 24/7. The Google Android phone even has a free app that allows you to take a snapshot of your eye's iris, so that they can store it in their NSA databanks. The Army is developing high speed iris scanners that can scan rapidly entire crowds of people. We in the 21st century have a lot of strange policies. The government readily has high tech methods in trying to immorally contain protests. **The feds brutalized protesters in Seattle back in 1999, in the RNC Convention with cages back in 2004, and even recently in Pittsburgh with the sound weapons. Many of these protesters wanted to expose the corruption and excesses of globalization (especially on its negative impact in the Third World from GMOs to economic exploitation of oppressed people throughout the world). Even innocent folks have been on the terrorist watch lists before.** Notice, that the Obama administration wants it to be a firm policy that if you are in the terrorist watch list, you cannot own a firearm (when even 6 year old kids have been rejected at airports for being on the list). That is why even peaceful protestors can be on that no fly list (which means that abolishment of human rights). Police riot squads already have or are developing a daunting array of sophisticated "non-lethal" weapons including sonic cannons, microwave pain beams, optical 'vomit beam' guns, shotgun and grenade launcher fired tasers, "Shockwave" swarm fired taser batteries, crowd blaster tear gas launchers and discuss other sickening things like chemical neurowarfare for use against demonstrators. We know that police agent provocateurs have busted windows and vandalize businesses including burning cop cars as means to justify the beating and arresting of protesters. The police state is ever real. We not only have the DHS.



We have NORTHCOM. The militarization of the police has grown greatly since 1990. The NORTHCOM marine brigade is tasked to follow DHS orders including the containment of protesters. This action is a violation of the Posse Comitatus Act of 1878, which forbids the federal government from using the military for law enforcement purposes. Executive orders promote tyranny in cases of national emergency. We have billions of dollars benefiting the military industrial complex. Homeland Security is training the Boy Scouts in SWAT team gear and tactics, on mock missions to subdue Iraq War veterans. The military now is constantly setting up checkpoints and patrol streets in America. The feds run mock military drills in U.S. cities that include foreign troops and doing mock roundups of groups of U.S. citizens. FEMA has a system of over 50,000 religious clergy ready to help round up guns, and to snitch on potential freedom fighters that might go to their local religious leaders for rest. There are those that want the Internet to be shut down in case of an emergency. Is it because the Internet and other independent organizations are one of the last bastions of real free expression and real freedom in general? I believe in real immigration reform and real compassion toward immigrants. What I don't agree is some unconstitutional National ID card that can track citizens everywhere. Biometric ID cards are even worse since it documents too much private information that relates to human activities in general. This information is real. This is real. The good news is that there is hope. If the Confederates were defeated in 1865, if apartheid in South Africa can be defeated, and if we defeated the fascists decades ago, then we can surely make a better society than it is presently. There is nothing wrong with wearing a suit and a tie, but just because you wear a suit and tie, doesn't mean that we should agree with immoral drone attacks, austerity, or bowing down to a nation as God.



*I will always have faith in God and hope for humanity in general.*



## *Appendix A: Engineering*

Engineering is a very special portion of human endeavors. Its existence spans thousands of years. Engineering is very much important in the development of cities, buildings, mechanical tools, and other basic functions of a civilization. Ironically enough, engineering is vital in our time just as much as it was important thousands of years ago. **Engineering is the skill or science that allows people to design plus build structures, machines, devices, systems, materials, and processes.** You have to learn scientific, economic, social, and practical knowledge. Any engineer participates in engineering. A person learns many sub disciplines in order for a person to be a great, efficient engineer. The simple tools of the pulley, level, and wheel were organizing tools of ancient man that worked to engineer civilizations. The Roman water powered grain mill (as described by Vitruvius), the Pharos of Alexandria, the Great Pyramids of Egypt, the Great Wall of China, the Brihadeshwara temple of Tanjavur and tombs of India, etc. require the mastery of engineering skills. Engineering is beyond the pulley, the level, and the wheel. It consists of simplistic designs to more complex machinery, tubes, and other modernized structures. The great genius of ancient man is exemplified in how they created greatly advanced architectural structures like the city of Teotihuacan, the great cities of the Indus Valley Civilization, the Great Wall of China, the Coliseum, the Parthenon in ancient Greece, the Roman aqueducts, and other testaments to human intelligence revolving around engineering. Imhotep is the earliest of the known civil engineers in human history. He was one of the officials of the Pharaoh Djoser. He designed most probably the Pyramid of Djoser in a step pyramid form. This structure is found in Saqqara, Egypt at around 2630-2611 B.C. He may have been responsible for the first known use of columns in architecture.

We know about the Antikythera mechanism, which was the earliest known model of a mechanical computer in human history. This mechanism was an ancient analog computer whose function was to calculate the astronomical positions of our galaxy. Its total complexity wasn't known until later on in our era of the early 21<sup>st</sup> century. The item was housed in a wooden box made up of approximately 340 × 180

× 90 mm in size and it comprised of 30 bronze gears (although more could have been lost). The largest gear, clearly visible in fragment A, was approximately 140 mm in diameter and most likely had 223 teeth. The mechanism's remains were found as 82 separate fragments of which only seven contain any gears or significant inscriptions. It is estimated to have been created in 100 B.C. The instructions were written in Koine Greek. Archimedes made mechanical inventions as well. Chinese and Roman armies used complex military machines including the Ballista and catapult. By the Middle Ages, an Iraqi named al-Jazari created over 50 ingenious mechanical devices. He made innovations in relation to segmental gears, mechanical controls, escapement mechanism, clocks, robotics, and protocols for designing and manufacturing methods. The first recorder electrical engineer was William Gilbert. He made his 1600 publication of "De Magnete." He was also an originator of the term electricity. The mechanical engineer Thomas Savery created the first steam engine in 1698. The development of this device contributed to the development of the industrial revolution in the decades ahead (which allowed for mass production). Now, the steam engine is a heat engine that uses mechanical work using steam as its working fluid. The device will boil water as a means to propel mechanical structures. Steam engine like devices existed in ancient Greece, and other places of the Middle East including Europe. Thomas Savery invented the first commercial steam powered device with a water pump. It used a vacuum to raise water from below, and then used steam pressure to raise it higher. Small engines were effective though larger models were problematic. They proved only to have a limited lift height and were prone to boiler explosions.



In our modern age, we have electrical engineering. This includes the use of motors, microchips, and batteries as a means to power electrical devices. Electronics evolved rapidly from vacuum tubes and transistors to nanotechnology of the 21st century. The inventions of Thomas Savery and Scottish engineer James Watt help to develop modern mechanical engineering. John Smeaton of the UK was a modern civil engineer. He constructed the third Eddystone Lighthouse with the use of hydraulic lime (it is a form of mortar which will set under water). Smeaton formed a technique involving dovetailed blocks of granite in the building of the lighthouse. Civil engineering that John Smeaton was involved in worked with the design of bridges, canals, harbors, and lighthouses. He was a mechanical engineer and a physicist. A physicist is a person that studies the motions of objects in the Universe including natural forces, etc. Physics requires an understanding of science, mathematics, and engineering in a great degree. You have aerospace construction, chemical engineering, mechanical engineering, and other branches of this important field. It's one of the fastest growing career choices in the world. Engineering is fun since a person can use problem solving, logic, knowledge, economics, and mathematics in order to test the best method in constructing a machine or an invention. In our generation, we can use computers in general the models of physical processes and perfect designs for aircraft. Computer aided design or CAD software can assist engineers to create 3-D models, 2D drawings, and schematics of their designs. From the workings of helicopters to the construction of business, engineering will forever become a part of our daily lives. It's a great time to alive indeed since futuristic technology is ever developing all around us.



In Engineering, there are numerous laws and formulas that relate to this great subject. One such law is called Hooke's law. Hooke's law deals with the extension of a spring that's directly proportional with the load applied to it. Some materials obey this law as long as the load doesn't exceed the material's elastic limit. Hooke's law in simple terms says that stress is directly proportional to strain. Mathematically, Hooke's law states that  $F = -kx$ .  $x$  is the displacement of the spring's end from its equilibrium position (a distance, in SI units or meters).  $F$  is the restoring force exerted by the spring on that end (in SI units: N or  $\text{KgXm/s}^2$ ) and  $K$  is a constant called the rate or spring constant. The  $K$  is found in the units of N/m or  $\text{kg/s}^2$ . The behavior is linear when this holds. The negative sign on the right hand side of the equation means that the restoring forces always acts in the opposite direction of the displacement. For example, when a spring is stretched to the left, it pulls back to the right. This law was created by the 17th century British physicist Robert Hooke. He first proclaimed this law as a Latin anagram in 1660. His words were published in 1678 in the words of *Ut tensio, sic vis* (or as the extension, so the force). Hooke's law relates to objects that quickly regain their original shape after being deformed by a force (with the molecules or atoms of their material returning to the initial state of stable equilibrium). Also, Hooke's law will describe how far the spring will stretch under a specific force. Hooke's law only holds for some materials under certain loading conditions. Steel exhibits linear-elastic behavior in most engineering applications; Hooke's law is valid for it throughout its elastic range. Rubber is a non-Hookean material because its elasticity is stress dependent and sensitive to temperature and loading rate. This law can apply to spring operated weighing machines, stress analysis, and modeling of materials. The potential energy stored in a spring is  $PE = 1/2 kx^2$ . The potential energy comes from adding up the energy it takes to incrementally compress the spring. Another famous formula is called Ohm's Law. It is a mathematical equation that shows the relationship between Voltage, Current, and resistance in an electrical circuit.  $V$  is Voltage,  $I$  is the current or intensity and  $R$  is resistance. In the law,  $V = I \text{ times } R$ .  $R$  is  $V/I$  and  $I$  is  $V/R$ .  $I$  is found in the unit of amperes.  $V$  can also be the potential difference measured across the conductor in units of volts. The resistance or  $R$  is found in the units of ohms. Ohm's law states the current through a conductor between 2 points is directly proportional to the potential difference across the two points. Ohm's law states that the  $R$  in this relation is constant, independent of the current. The law is named after the German physicist Georg Ohm, who in a treatise published in 1827. In that treatise, he described measurements of applied voltage and current through simple electrical circuits containing various lengths of wire. Resistors are circuit elements that impede the passage of electric charge in agreement with Ohm's law and are designed to have a specific resistance value  $R$ . There are graphs that define this law called the  $I$ - $V$  curve. The  $I$  is in the  $Y$ -axis and the  $V$  is in the  $X$ -axis. There are numerous applications where this law is applied to circuits and unique forms of electronics indeed.

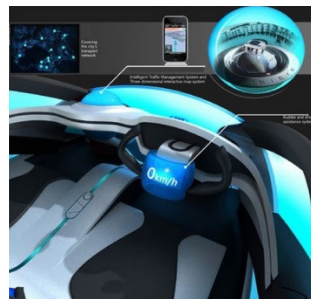


There are tons of other concepts that relate to engineering as well like inertia. Inertia is when a body may be defined as that property of a body which tends to resist a change in its state or motion. In other words, inertia is the resistance of any physical object to a change in its state of motion or rest. When you have the surface of the Earth, inertia is often masked by the effects of friction and air resistance (which can reduce the speed of moving objects). There are many formulas that deal with inertia One is  $p=mv$ . The mass of a body determines the momentum of the body at given velocity ; it is a proportionality factor in the formula.  $M$  stands for inertial mass. But mass, as related to the 'inertia' of a body, can also be defined by the formula of  $F=ma$ .  $F$  is force,  $m$  is mass, and  $a$  is acceleration. By this formula, the greater its mass, the less a body accelerates under given force. Masses defined by formula (1) and (2) are equal because formula (2) is a consequence of formula (1) if mass does not depend on time and velocity. Thus, "mass is the quantitative or numerical measure of body's inertia, that is of its resistance to being accelerated."

By Timothy

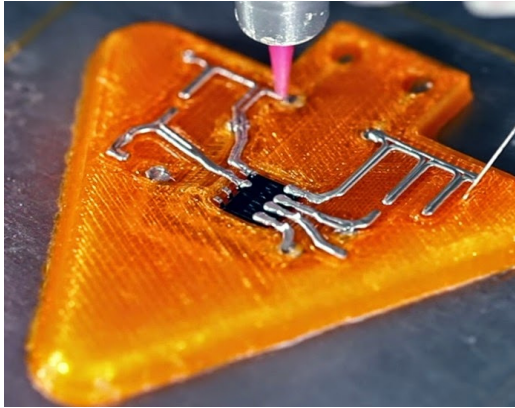
*The heart and the mind are great parts of the human soul. If our mind and heart are aligned with the will of the Father, then everything will fall into place from an emotional, intellectual, social, and spiritual place. I am in a good place in my life. Everything is not perfect in my life, but my life is certainly much better than in the past.*

*Bye and Peace*



## DARPA and Technology Part 4

The evolution of technology is never stagnant, but rapid in our generation. From the years from 2000 to 2015, we have seen the transition from small cell phones with limited capacities to now I-Phones which have Internet access, email, texting procession, and other advanced instruments. Many of the youngsters now constantly talk about Facebook, Instagram, Kik, Messenger, Twitter, and the other diverse arrays of social media. Even Hillary Clinton announced her 2016 Presidential campaign publicly via the usage of social media (in a campaign video showing numerous people of different backgrounds). Technology just doesn't deal with airplanes, cars, and other moving vehicles. It also deals with sophisticated circuits, HDTVs, X-Rays, and next generation computers. Therefore, this work will outline some of the futuristic technological devices, which many people don't know about. Also, there is the growth of the CODE movement. CODE is about the development of the understanding of computer science (which includes codes, its functions, its computer usage, etc.). I am all for black people, other people of color, women, the youth, and all people using CODE. We live in a futuristic age and we have to defeat the digital divide as well. Life is a journey. It wouldn't be totally serene, but we live life in order to bless others (not just ourselves). Life should never be totally about us. It should be about altruism, concern for others, compassion, and justice.



## The Voxe18 3D Printer

There are many technologies arising in 2015. One type of device is the Voxe18 3D printer. There are many 3D printers now. 3D printers can print 3 dimensional solid objects. They are expensive, but the Voxe18 is different. The Voxe18 can print electronic circuits rather than just plastic objects and it uses conductive ink that dries quickly (and can be embedded in other objects). In the future, it could be used from devices including hearing aids, wearable gadgets, and even quadcopter drones. The image of the printers looks very futuristic. It's a multi-material electronic printer. Dr. Jennifer Lewis is the director of the Voxe18 Company. She is a Harvard professor. Her previous lab at the University of Illinois at Champaign-Urbana 3D printed a microscopic lithium ion battery. This new technology is developing very rapidly. The Voxe18 Developer's Kit is a low cost 3D printer (which can print circuits and plastic objects). As Voxe18 Business Director, Daniel Oliver, explains, "Effectively, you could build a quadcopter with any geometry you want, stuff it with the components – on the motor- and the board-side – and, basically, have a fully functioning quadcopter without any wiring harnesses." He continues, "People will also be able to start creating circuits on their desks. So, if you wanted to test out a circuit design, you could print out a circuit board directly on your desk. You'd have to stuff the components in, as you were doing it, but we've shown that you can print out what is basically an Arduino board on our printer."

The possibilities for this technology are endless. In the future, this can revolutionize technology develop and break down monopoly control of 3D printers (if we do what is right and make this technology more accessible and more affordable for people). Oliver also mentions that designs can now dictate the placement of electronic parts. Circuits can be formed to traverse curves and climb walls. The "Spark Powered" software, dubbed "Project Wire", allows users to upload a CAD model and start filling it virtually with electronics and conductive ink. Objects can be printed, so that they can be plugged directly into existing electronics like an USB drive. Autodesk CTO, Jeff Kowalski, seems to agree, saying, "We're excited to work with companies like Voxe18 because they are really pushing the boundaries of where 3D printing is capable. They're pushing that front edge, so we can actually start to develop new functionalities using 3D printers – create things that have never been created before – and by incorporating conductive inks directly in the 3D printing process we can start to create things that have functions after they're created."



## High-tech Chips and Beyond 4K Ultra HDTV

This technology is exciting. So, these printers can create objects to be placed into electronic objects. These printing results will have great functionality. This is cutting edge technology, which has not been seen even five years ago. There is the Nvidia Tegra Xi chip. This chip is a superchip with 256 professor cores and eight CPU cores. It will come into cars as well. There is the new Sharp Aquos Beyond 4K Ultra HDTV. This television has pixel-splitting technology to have an effective resolution of 7,680 x 4,320. This can be called the "virtual 8K." It will be the flagship models for Google's new Android TV platform. Samsung is promoting its SUHD sets. It will be different than existing UHD (or ultra-high definition) TV. Cue boasts of "eco-friendly nano-crystal technology and intelligent SUHD re-mastering picture quality engine" from Samsung. The SUHD TV is innovative with advanced contrast, brightness, and spectacular color. 4K TVs have been around and SUHD is here. There is the HP Zvr 3D display, which can allow people to use glasses and connected styles to see and manipulate objects in 3D.





## The HP Sprout

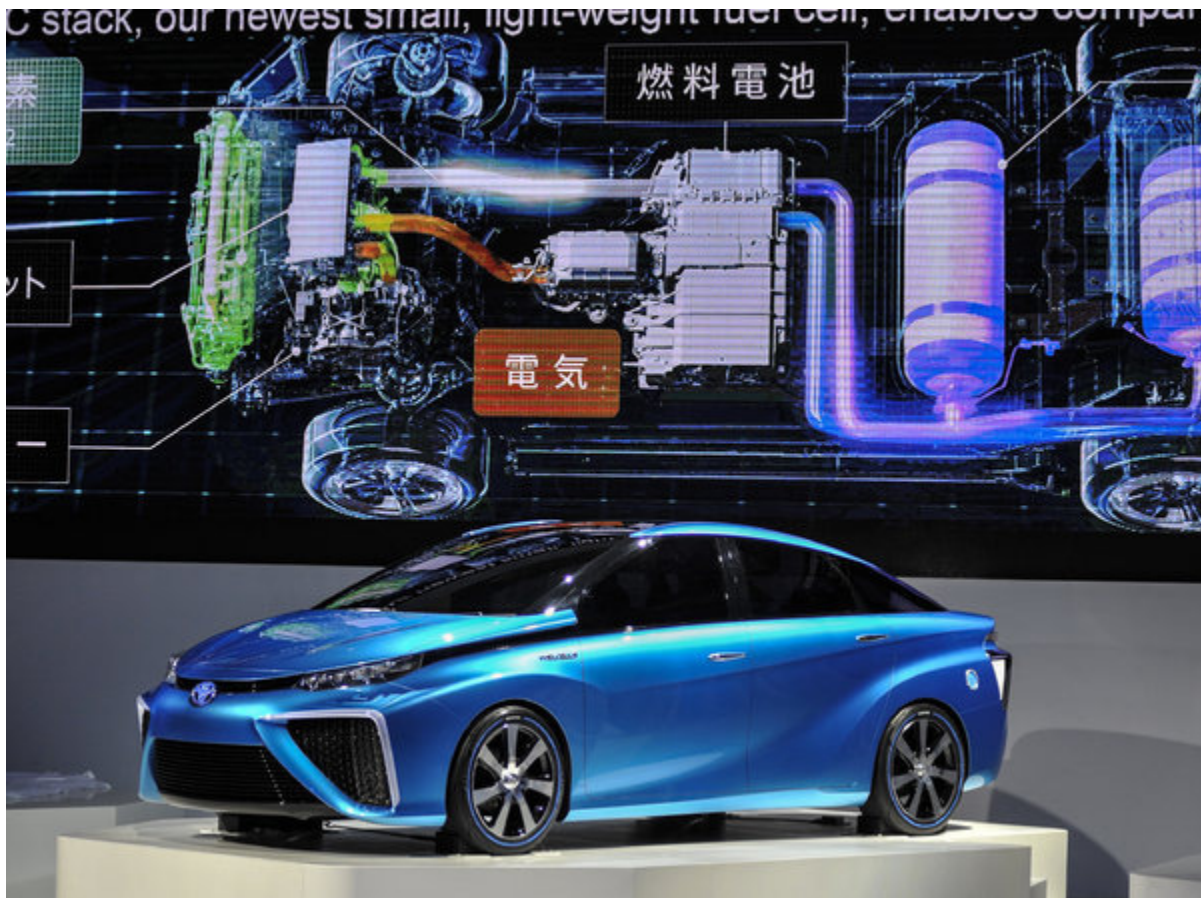
There are new 2015 computers (like an i7 processor) with a flat keyboard, cameras, and advanced devices too. Such a computer is called the HP Sprout, which is a new generation of computers. It came out in 2014. The HP Sprout is very expensive now. It is worth thousands of dollars.

In essence, the HP Sprout is an all in one PC. It's a PC at heart. Also, it includes a 23-inch Full HD touchscreen and it runs on Windows 8.1, which has been upgradeable to Windows 10. It includes two USB 3.0 ports, HDMI ports, and an SD card slot. It is powered by a fourth-generation Intel i7 processor and a Nvidia GeForce GT 745A. There is 1TB of internal storage and 8GB of solid state memory, which can be upgraded to 16GB. This all-in-one Windows PC is blatantly unique. Its innovative touch mat sits in front of the screen and connects magnetically to a dock. So, the interactive keyboard acts as a virtual touchscreen surface. There is the DLP projector that is above the main computer screen and projects the image onto the mat. There is the capacitive technology to show different responses to swiping across the glass and offers 20 point multitouch to be able to interact more freely. The QWERTY virtual keyboard can be activated from the dock. Sprout does offer a physical keyboard and a mouse if someone wants to go about things in a more traditional way. Dual touchscreens can be good to allow interfaces that can work independently of each other. It can extend a piece of software in a more comfortable way. There are moving keys to the mat as well. Poking out from above the main computer display is called the Sprout Illuminator. This adds an all-in-one scanner, depth sensor, and camera along with the projector.

The camera has a 14.6 megapixel sensor to take high resolution scans of objects on the touch mat by pressing the camera icon on the main display. It will only take 5 to 6 seconds to scan, which will save a version on the desktop. People can then swipe scanned objects down from the main touchscreen to the mat, where people can move, enlarge, and even select specific areas of the scan that someone wants to play with inside HP's dedicated Sprout applications. Sprout can also add scanned 2D objects into applications like PowerPoint, Word, and Adobe Photoshop, but that can only be done on the main computer screen. That is because a person can only use touch optimized Windows apps on the touch mat. HP mentioned that it's in discussions with big partners to add the touch mat support and if one of those computers is Adobe, it can be a perfect fit for the Sprout. The scanner also works with computer typed text, so if you scan a page, it will save a version and allow you to edit the text in Word. It doesn't work with handwriting.

Sprout has the Intel's Real Sense camera too. This is a 3-D camera and it can recognize object depth. That means that you can make 3D scans of objects. It takes about 20-30 seconds to scan items, but HP

is trying to reduce that closer to the time it takes to scan 2D objects. Like 2D scans, people can pull the 3D versions into a series of applications, change the colors, change the texture, etc. It can combine 2D scans and even print them out with a 3D printer. This can influence the Photoshop mockups as well. There is the real time collaboration tool as well. This uses the 1 megapixel 720p, low light front facing HD camera and the down facing high resolution camera alongside HP's my room video calling software (to let other users see your work canvas on the touch mat and interact with it). According to HP, there's no limit on how many people you can collaborate with. The positive of having the forward facing and downward facing cameras working together is that you can see the person and what's happening on the touch mat at the same time. Application support is a great appeal of the Sprout PC. There's Virtual DJ. Virtual DJ is where you can interact with the decks on the mat and focus on changing tracks on the main screen. Cyberlink has added Sprout support for video editing software Power Director, although it's a clunky experience. There is the DreamWorks edition of Story Producer to help make animated films and games like Teslagrade where you can customize controls.

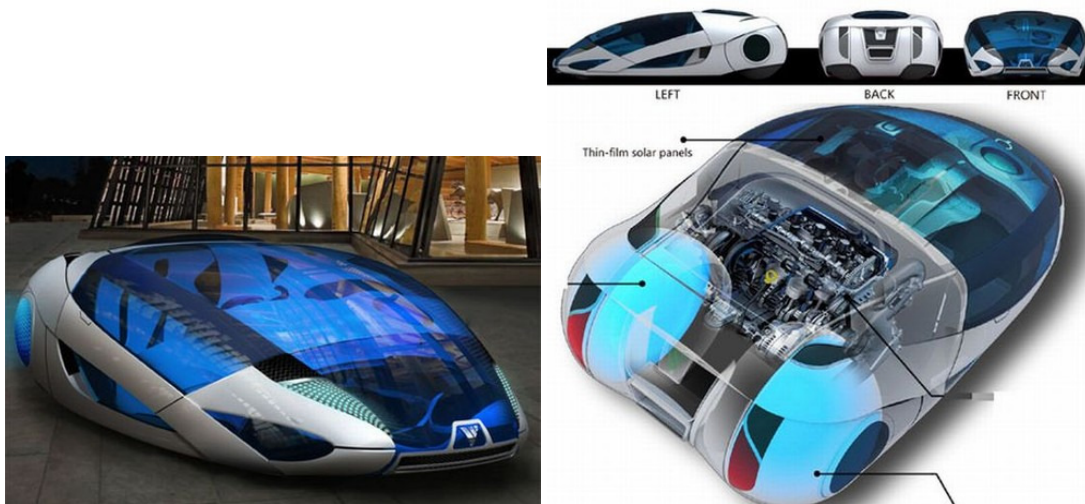


This is the Toyota 2015 Fuel Cell Car.

## Futuristic Fuel Cell Technology & Other New Technology

The growth of fuel cell vehicle is part of technology now and in the future. These cars can run on zero-emissions that run on hydrogen. Fuel cell vehicles have promised many advantages over vehicles powered by electricity or hydrocarbons. This technology has evolved to the point where automotive

companies are planning launches for consumers. Some of these cars can be as high as \$70,000. It can come down significantly as volumes increase within the next few years. Batteries must be charged from an external source. They can take from 5 to 12 hours to be charged depending on the car and charger. On the other hand, fuel cells generate electricity directly by using hydrogen or natural gas. Fuel cells and batteries combined can make cars stronger. Fuel cell vehicles are like hybrids and will deploy regenerative braking which recovers energy from waste heat, which is a key capacity for maximizing efficiency and range. Unlike battery powered electric vehicles, fuel cell powered ones have a long cruising range which is up to 650 kilometers per tank. The fuel is usually compressed hydrogen gas. A hydrogen fuel refill only takes about three minutes. Hydrogen is clean burning. It produces only water vapor as waste. Fuel cell vehicles using hydrogen will be zero emission, which can reduce air pollution. There are many ways to produce hydrogen without causing carbon emission. Renewable sources of electricity from wind and solar sources can be used to electrolyze water. Its overall energy efficiency of this process will be likely low. There will be a necessity for a stronger hydrogen distribution infrastructure to parallel and eventually replace gas and diesel filling stations. Apple also has the Apple pay app that deals with financial transactions. Also, Apple is promoting their new smart watches as well.



Wang Yanchao and Zhang Zhizhen created this futuristic and efficient car called the HXO. The HXO is pictured above. This car has a special energy generation system. The system converts solar energy into electricity via oxygen and ionized hydrogen from water. The car's specially built wheels (which are spherical) have great storage capacity and it is used for more efficient and comfortable driving. The pod car can access 3G networks to allow users to search for the closest available HXO for rent and pay for it via mobile banking. The HXO has a driver's assistance system, 3D interactive navigation system and an intelligent traffic management system. It can harvest solar energy and split water into hydrogen and oxygen. Hydrogen is then utilized to power the vehicle. The HXO is a very green-friendly vehicle, especially for those who want a more environmental lifestyle.

By Timothy