



US Army Is Building The World's Most Powerful Laser Weapon

The Technocrat mind of advanced weapons engineers invent because they can. This new laser weapon has a myriad of uses on the battlefield and against civilian populations. □ TN Editor

It appears the U.S. Army is developing and building a laser weapon capable of vaporizing its targets and disrupting enemy tech signals thanks to pulses and signals. This may well be the world's most powerful laser to date.

The Tactical Ultrashort Pulsed Laser for Army Platforms, as the laser system will be called, will be a million times more powerful than any other laser platform before it, reported New Scientist, the first to publish the news.

What the ultra-powerful laser platform will

do

The Tactical Ultrashort Pulsed Laser (UPSL) platform will be different from the current laser systems, as it will emit short pulses that rely on low energy. In contrast, current lasers typically emit continuous beams.

The new system is being designed to reach a terawatt for a short 200 femtoseconds — or one quadrillionth of a second. In that time, the UPSL would be able to vaporize a drone. On top of that, the hope is that it'll also be able to disrupt electronic systems in its vicinity, turning it also into a functional electromagnetic pulse (EMP).

As far as reports state, the U.S. is aiming to trial a prototype by 2022.

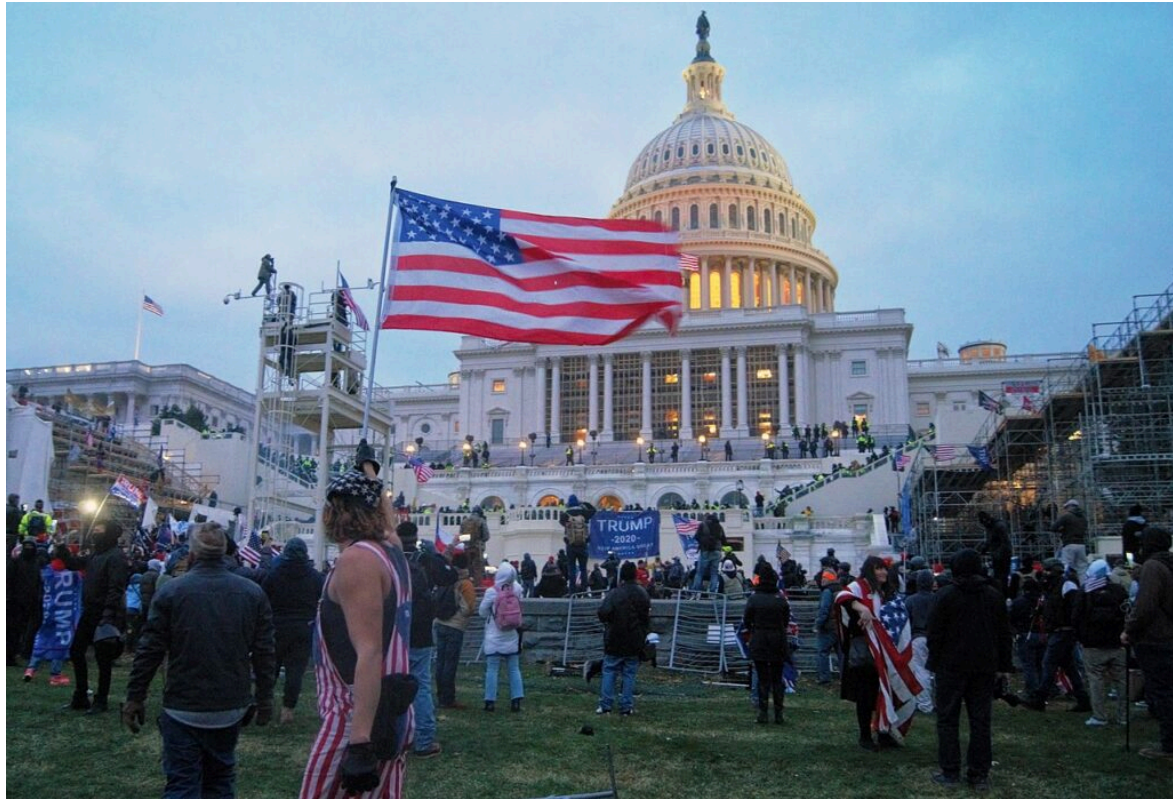
Such types of laser weapons are extremely useful when combating fast-moving, small drones or missiles, explained New Scientist. And when it comes to using them against human enemies, they can cause a number of reactions, from skin irritations to blindness.

The hope is to develop a UPSL that's big enough, has enough power, and ruggedization to be used on Army platforms, explained a brief outlining the future laser system.

On top of that, this type of laser would be able to vaporize the outer casing of a drone, rather than melt it as current laser systems do.

It's not the first time laser systems are mentioned or even used in the military. And it's clear to see that this type of weapon is gathering more and more attention and focus as time goes on.

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Greenwald Warns: A New Domestic War On Terror Is Coming

The focus on the 9/11 war on terror was radical Islamic militants. The 1/6 war on terror pivots internally to declare conservative Americans as domestic terrorists. Will the current Administration refocus the Intelligence and military communities against American citizens? There are already a chorus of calls to do just that. □ TN Editor

The last two weeks have ushered in a wave of new domestic police powers and rhetoric in the name of fighting “terrorism” that are carbon copies of many of the worst excesses of the first War on Terror that began nearly twenty years ago. This trend shows no sign of receding as we move farther from the January 6 Capitol riot. The opposite is true: it is intensifying.

We have witnessed an orgy of censorship from Silicon Valley monopolies with calls for far more aggressive speech policing, a visibly militarized

Washington, D.C. featuring a non-ironically named “Green Zone,” vows from the incoming president and his key allies for a new anti-domestic terrorism bill, and frequent accusations of “sedition,” “treason,” and “terrorism” against members of Congress and citizens. This is all driven by a radical expansion of the meaning of “incitement to violence.” It is accompanied by viral-on-social-media pleas that one work with the FBI to turn in one’s fellow citizens (*See Something, Say Something!*) and demands for a new system of domestic surveillance.

Underlying all of this are immediate insinuations that anyone questioning any of this must, by virtue of these doubts, harbor sympathy for the Terrorists and their neo-Nazi, white supremacist ideology. Liberals have spent so many years now in a tight alliance with neocons and the CIA that they are making the 2002 version of John Ashcroft look like the President of the (old-school) ACLU.

The U.S. Department of Homeland Security website, touting a trademarked phrase licensed to it in 2010 by the City of New York, urging citizens to report “suspicious activity” to the FBI and other security state agencies

The more honest proponents of this new domestic War on Terror are explicitly admitting that they want to model it on the first one. A *New York Times* reporter noted on Monday that a “former intelligence official on PBS NewsHour” said “that the US should think about a ‘9/11 Commission’ for domestic extremism and consider applying some of the lessons from the fight against Al Qaeda here at home.” More amazingly, Gen. Stanley McChrystal — for years head of Joint Special Operations Command in Iraq and the commander of the war in Afghanistan — explicitly compared that war to this new one, speaking to *Yahoo News*:

I did see a similar dynamic in the evolution of al-Qaida in Iraq, where a whole generation of angry Arab youth with very poor prospects followed a powerful leader who promised to take them back in time to a better place, and he led them to embrace an ideology that justified their violence. This is now happening in America....I think we’re much further along in this radicalization process, and facing a much deeper problem as a country, than most Americans realize.”

Anyone who, despite all this, still harbors lingering doubts that the Capitol riot is and will be the neoliberal 9/11, and that a new War on Terror is being implemented in its name, need only watch the two short video clips below, which will clear their doubts for good. It is like being catapulted by an unholy time machine back to Paul Wolfowitz's 2002 messaging lab.

The first video, flagged by Tom Elliott, is from Monday morning's *Morning Joe* program on MSNBC (the show that arguably did more to help Donald Trump become the GOP nominee than any other). It features Jeremy Bash — one of the seemingly countless employees of TV news networks who previously worked in Obama's CIA and Pentagon — demanding that, in response to the Capitol riot, “we reset our entire intelligence approach,” including “look[ing] at greater surveillance of them,” adding: “the FBI is going to have to run confidential sources.” See if you detect any differences between what CIA operatives and neocons were saying in 2002 when demanding the Patriot Act and greater FBI and NSA surveillance and what this CIA-official-turned-NBC-News-analyst is saying here:

The second video features the amazing declaration from former Facebook security official Alex Stamos, talking to the *very concerned* CNN host Brian Stelter, about the need for social media companies to use the same tactics against U.S. citizens that they *used to remove ISIS from the internet* — “in collaboration with law enforcement” — and that those tactics should be directly aimed at what he calls extremist “conservative influencers.”

“Press freedoms are being abused by these actors,” the former Facebook executive proclaimed. Stamos noted how generous he and his comrades have been up until now: “We have given a lot of leeway — both in the traditional media and in social media — to people with a very broad range of views.” But no more. Now is the time to “get us all back in the same consensual reality.”

In a moment of unintended candor, Stamos noted the real problem: “there are people on YouTube, for example, that have a larger audience

than people on daytime CNN” — and it’s time for CNN and other mainstream outlets to seize the monopoly on information dissemination to which they are divinely entitled by taking away the platforms of those whom people actually want to watch and listen to:

(If still not convinced, and if you can endure it, you can also watch MSNBC’s Joe Scarborough and Mika Brzezinski literally screaming that one needed remedy to the Capitol riot is that the Biden administration must “shutdown” Facebook. *Shutdown Facebook*).

Calls for a War on Terror sequel — a domestic version complete with surveillance and censorship — are not confined to ratings-deprived cable hosts and ghouls from the security state. *The Wall Street Journal* reports that “Mr. Biden has said he plans to make a priority of passing a law against domestic terrorism, and he has been urged to create a White House post overseeing the fight against ideologically inspired violent extremists and increasing funding to combat them.”

Meanwhile, Congressman Adam Schiff (D-CA) — not just one of the most dishonest members of Congress but also one of the most militaristic and authoritarian — has had a bill proposed since 2019 to simply amend the existing foreign anti-terrorism bill to allow the U.S. Government to invoke exactly the same powers at home against “domestic terrorists.”

Why would such new terrorism laws be needed in a country that already imprisons more of its citizens than any other country in the world as the result of a very aggressive set of criminal laws? What acts should be criminalized by new “domestic terrorism” laws that are not already deemed criminal? They never say, almost certainly because — just as was true of the first set of new War on Terror laws — their real aim is to criminalize that *which should not be criminalized*: speech, association, protests, opposition to the new ruling coalition.

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AI Takes Autonomous Control To Fly U-2 Spy Plane Mission

The “military/industrial complex” is controlled by Technocrats who seek to use Artificial Intelligence for making war. From “super-soldiers” who are body-hacked, to weaponized robots, drones and mission-driven fighters and bombers, no area is left untouched. □ TN Editor

*On December 15, the United States Air Force successfully flew an AI copilot on a U-2 spy plane in California, marking the first time AI has controlled a U.S. military system. In this Popular Mechanics exclusive, **Dr. Will Roper**, the Assistant Secretary of the Air Force for Acquisition, Technology and Logistics, reveals how he and his team made history.*

For *Star Wars* fans, an X-Wing fighter isn’t complete without R2-D2. Whether you need to fire up converters, increase power, or fix a broken stabilizer, that trusty droid, full of lively beeps and squeaks, is the ultimate copilot.

Teaming artificial intelligence (AI) with pilots is no longer just a matter for science fiction or blockbuster movies. On Tuesday, December 15, the Air Force successfully flew an AI copilot on a U-2 spy plane in California: the first time AI has controlled a U.S. military system.

Completing over a million training runs prior, the flight was a small step for the computerized copilot, but it's a giant leap for "computerkind" in future military operations.

The U.S. military has historically struggled developing digital capabilities. It's hard to believe difficult-to-code computers and hard-to-access data—much less AI—held back the world's most lethal hardware not so long ago in an Air Force not far, far away.

But starting three years ago, the Air Force took its own giant leap toward the digital age. Finally cracking the code on military software, we built the Pentagon's first commercially-inspired development teams, coding clouds, and even a combat internet that downed a cruise missile at blistering machine speeds. But our recent AI demo is one for military record books and science fiction fans alike.

With call sign *ARTUμ*, we trained μZero—a world-leading computer program that dominates chess, Go, and even video games without prior knowledge of their rules—to operate a U-2 spy plane. Though lacking those lively beeps and squeaks, ARTUμ surpassed its motion picture namesake in one distinctive feature: *it* was the mission commander, the final decision authority on the human-machine team. And given the high stakes of global AI, surpassing science fiction must become our military norm.

Our demo flew a reconnaissance mission during a simulated missile strike at Beale Air Force Base on Tuesday. ARTUμ searched for enemy launchers while our pilot searched for threatening aircraft, both sharing the U-2's radar. With no pilot override, ARTUμ made final calls on devoting the radar to missile hunting versus self-protection. Luke Skywalker certainly never took such orders from his X-Wing sidekick!

The fact ARTUμ was in command was less about any particular mission than how completely our military must embrace AI to maintain the

battlefield decision advantage. Unlike Han Solo’s “never-tell-me-the-odds” snub of C-3PO’s asteroid field survival rate (approximately 3,720 to 1), our warfighters need to know the odds in dizzyingly-complex combat scenarios. Teaming with trusted AI across all facets of conflict—even occasionally putting *it* in charge—could tip those odds in our favor.

But to trust AI, software design is key. Like a breaker box for code, the U-2 gave ARTUμ complete radar control while “switching off” access to other subsystems. Had the scenario been navigating an asteroid field—or more likely field of enemy radars—those “on-off” switches could adjust. The design allows operators to choose what AI *won’t* do to accept the operational risk of what it *will*. Creating this software breaker box—instead of Pandora’s—has been an Air Force journey of more than a few parsecs.

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Whitehead: Psychological Warfare Disguised As A Pandemic Threat

Maintaining our humanity during an all-out attack against it, it a herculean task. The war against an unseen predator that can only be fought by wearing face masks and breaking human relationships is destroying the very essence of what it is to be human. Think about it. □
TN Editor

“Look! You fools! You’re in danger! Can’t you see? They’re after you! They’re after all of us! Our wives...our children...they’re here already! You’re next!”—Dr. Miles Bennell, Invasion of the Body Snatchers (1956)

It’s like *Invasion of the Body Snatchers* all over again.

The nation is being overtaken by an alien threat that invades bodies, alters minds, and transforms freedom-loving people into a mindless, compliant, conforming mob intolerant of anyone who dares to be different, let alone think for themselves.

However, while *Body Snatchers*—the chilling 1956 film directed by Don Siegel—blames its woes on seed pods from outerspace, the seismic societal shift taking place in America owes less to biological warfare reliant on the COVID-19 virus than it does to psychological warfare disguised as a pandemic threat.

As science writer David Robson explains:

Fears of contagion lead us to become more conformist and tribalistic, and less accepting of eccentricity. Our moral judgements become harsher and our social attitudes more conservative when considering issues such as immigration or sexual freedom and equality. Daily reminders of disease may even sway our political affiliations... Various experiments have shown that we become more conformist and respectful of convention when we feel the threat of a

disease... the evocative images of a pandemic led [participants in an experiment] to value conformity and obedience over eccentricity or rebellion.

This is how you persuade a populace to voluntarily march in lockstep with a police state and police themselves (and each other): by ratcheting up the fear-factor, meted out one carefully calibrated crisis at a time, and teaching them to distrust any who diverge from the norm.

This is not a new experiment in mind control.

The powers-that-be have been pushing our buttons and herding us along like so much cattle since World War II, at least, starting with the Japanese attacks on Pearl Harbor, which not only propelled the U.S. into World War II but also unified the American people in their opposition to a common enemy.

That fear of attack by foreign threats, conveniently torqued by the growing military industrial complex, in turn gave rise to the Cold War era's "Red Scare." Promulgated through government propaganda, paranoia and manipulation, anti-Communist sentiments boiled over into a mass hysteria that viewed anyone and everyone as suspect: your friends, the next-door neighbor, even your family members could be a Communist subversive.

This hysteria, which culminated in hearings before the House Un-American Activities Committee, where hundreds of Americans were called before Congress to testify about their so-called Communist affiliations and intimidated into making false confessions, also paved the way for the rise of an all-knowing, all-seeing governmental surveillance state.

The 9/11 attacks followed a similar script: a foreign invasion mounts an attack on an unsuspecting nation, the people unite in solidarity against a common foe, and the government gains greater war-time powers (read: surveillance powers) that, conveniently enough, become permanent once the threat has passed.

The government's scripted response to the COVID-19 pandemic has been

predictably consistent: once again, in order to fight this so-called “foreign” foe, the government insists it needs even greater surveillance powers.

As we’ve seen since 9/11 and more recently with the COVID lockdowns, those in power have always had a penchant for enacting extreme measures to combat perceived threats. However, unlike the modern America police state, the American government circa the 1950s did not have at its disposal the arsenal of invasive technologies that are such an intrinsic part of our modern surveillance state.

Today, we are watched and tracked 24/7; data is collected on us at an alarming rate by governmental and corporate entities; and with the help of powerful computer programs, American domestic intelligence agencies sweep our websites, listen in on our telephone calls and read our text messages at will.

Now with the COVID pandemic and its offshoots such as contact tracing and immunity passports, the governmental landscape is even more invasive.

Yet no matter the threat, the underlying principle remains the same: can we hold onto our basic freedoms and avoid succumbing to the soul-sucking dredge of conformity that threatens our very humanity?

This conundrum is at the heart of the 1956 classic *Invasion of the Body Snatchers*, which was based on a 1954 science fiction novel by Jack Finney (and later remade into an equally chilling 1978 film by Philip Kaufman).

Body Snatchers not only captured the ideology and politics of its post-war era but remains timely and relevant as it relates to the worries that plague us today. Filmed with only seven days of rehearsal and 23 days of actual shooting, *Body Snatchers* is considered one of the great science fiction classics.

Body Snatchers is set in a small California town which has been infiltrated by mysterious pods from outer space that replicate and take the place of humans who then become conforming non-individuals. Miles

Bennell, the main character, is a local doctor who resists the invaders and their attempts to erase humanity from the face of the earth.

At the very least, the film conveys a double meaning, serving as both a mirror of a particular moment in history and a compass pointing to a growing societal illness. Following World War II with the emerging military empire, the atomic bomb and the Korean War, Americans were confused and neurotically preoccupied with domestic threats, the polio pandemic and international political events, not much different from today's populace preoccupied with domestic and international political drama, terrorism and the COVID-19 pandemic.

Yet Siegel's film delves beneath the surface to confront an even more sinister threat: the dehumanization of individuals and the horrifying possibility that humanity could become infused as part of the societal machine.

Central to the film is one key speech delivered by Bennell while hiding from the aliens:

In my practice, I see how people have allowed their humanity to drain away...only it happens slowly instead of all at once. They didn't seem to mind.... All of us, a little bit. We harden our hearts...grow callous...only when we have to fight to stay human do we realize how precious it is.

As Siegel makes clear, it is not Communists or terrorists or even viral pandemics that threaten our well-being. The real enemy is invasive governmental measures—something we now see happening across the country—and, thus, totalitarian conformity. And resistance must be against all government measures that threaten our civil liberties and against all kinds of conformity, no matter the shape, size or color of the package it comes in.

When all is said and done, however, the real threat to freedom (in the fictional world of *Body Snatchers* and in our present-day America) is posed by an establishment—be it governmental, corporate or societal—that is hostile to individuality and those who dare to challenge the status quo.

The mob hysteria, sense of paranoia, fascist police and the witch hunt atmosphere of the film mirror the ills of a 1950s America that is frighteningly applicable to present American society.

Acknowledging that *Body Snatchers* portrayed the conflict between individuals and varied forms of mindless authority, Siegel stated, "I think the world is populated by pods and I wanted to show them." He explained:

People are pods. Many of my associates are certainly pods. They have no feelings. They exist, breathe, sleep. To be a pod means that you have no passion, no anger, the spark has left you...of course, there's a very strong case for being a pod. These pods, who get rid of pain, ill-health and mental disturbances are, in a sense, doing good. It happens to leave you in a very dull world but that, by the way, is the world that most of us live in. It's the same as people who welcome going into the army or prison. There's regimentation, a lack of having to make up your mind, face decisions.... People are becoming vegetables. I don't know what the answer is except an awareness of it.

All of the threats to freedom documented in my book *Battlefield America: The War on the American People* came about because "we the people" stopped thinking for ourselves and relinquished control over our lives and our country to government operatives who care only for money and power.

While the specific game plan for turning things around is complicated by a police state that wants to keep us at a disadvantage, the solution is relatively simple: Don't be a pod person. Pay attention. Question everything. Dare to be different. Don't follow the mob. Don't let yourself become numb to the world around you. Be compassionate. Be humane. Most of all, think for yourself.

Read full story here...



China Seeking Genetically Modified And Enhanced Super-Soldiers

Move over, Captain America. Here comes Captain China. As a Technocracy, China has no moral or ethical restraint on using any type of technology to turn its military force into super-soldiers. Of course, the United States is on the same track with agencies like DARPA and IARPA.
□ TN Editor

U.S. intelligence shows that China has conducted “human testing” on members of the People’s Liberation Army in hope of developing soldiers with “biologically enhanced capabilities,” the top U.S. intelligence official said Friday.

John Ratcliffe, the director of national intelligence, included the explosive claim in a long Wall Street Journal op-ed in which he made the case that China poses the pre-eminent national security threat to the

U.S.

“There are no ethical boundaries to Beijing’s pursuit of power,” wrote Ratcliffe, a Republican former member of Congress from Texas.

His office and the CIA did not immediately respond to requests to elaborate on the notion that China sought to create “super soldiers” of the sort depicted in Hollywood films like “Captain America,” “Bloodshot” and “Universal Soldier.”

Last year, two American scholars wrote a paper examining China’s ambitions to apply biotechnology to the battlefield, including what they said were signs that China was interested in using gene-editing technology to enhance human — and perhaps soldier — performance.

Specifically, the scholars explored Chinese research using the gene-editing tool CRISPR, short for “clusters of regularly interspaced short palindromic repeats.” CRISPR has been used to treat genetic diseases and modify plants, but Western scientists consider it unethical to seek to manipulate genes to boost the performance of healthy people.

“While the potential leveraging of CRISPR to increase human capabilities on the future battlefield remains only a hypothetical possibility at the present, there are indications that Chinese military researchers are starting to explore its potential,” wrote the scholars, Elsa Kania, an expert on Chinese defense technology at the Center for a New American Security, and Wilson VornDick, a consultant on China matters and former Navy officer.

“Chinese military scientists and strategists have consistently emphasized that biotechnology could become a ‘new strategic commanding heights of the future Revolution in Military Affairs,’” the scholars wrote, quoting a 2015 article in a military newspaper.

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Governments Launch Cyber Warfare Against Citizenry To Overcome Vaccine Hesitancy

Anti-vaxxers are positioned as a threat to national security. Bully tactics further threaten them with economic destruction such as being placed on “no-fly” lists by airlines, other travel restrictions, loss of employment, no school for kids, no access to commercial institutions, etc. This is the face of Scientific Dictatorship, aka Technocracy. □ TN Editor

News organizations and journalists who raise legitimate concerns about Operation Warp Speed will be de-platformed to make way for the “required” saturation of pro-vaccine messaging across the English-speaking media landscape.

In just the past week, the national-security states of the U.S. and UK have discreetly let it be known that the cyber tools and online tactics previously designed for use in the post-9/11 “war on terror” are now being repurposed for use against information sources promoting “vaccine hesitancy” and information related to COVID-19 that runs counter to their state narratives.

A new cyber offensive was launched on Monday by the U.K.’s signal

intelligence agency, Government Communications Headquarters (GCHQ), which seeks to target websites that publish content deemed to be “propaganda” that raises concerns regarding state-sponsored COVID-19 vaccine development and the multinational pharmaceutical corporations involved.

Similar efforts are underway in the U.S., with the U.S. military recently funding a CIA-backed firm — stuffed with former counterterrorism officials who were behind the occupation of Iraq and the rise of the so-called Islamic State — to develop an AI algorithm aimed specifically at new websites promoting “suspected” disinformation related to the COVID-19 crisis and the U.S. military-led COVID-19 vaccination effort known as Operation Warp Speed.

Both countries are preparing to silence independent journalists who raise legitimate concerns over pharmaceutical industry corruption or the extreme secrecy surrounding state-sponsored COVID-19 vaccination efforts, now that Pfizer’s vaccine candidate is slated to be approved by the U.S. Food and Drug Administration (FDA) by month’s end.

Pfizer’s history of being fined billions for illegal marketing and for bribing government officials to help them cover up an illegal drug trial that killed eleven children (among other crimes) has gone unmentioned by most mass media outlets, which instead have celebrated the apparently imminent approval of the company’s COVID vaccine without questioning the company’s history or that the mRNA technology used in the vaccine has sped through normal safety trial protocols and has never been approved for human use. Also unmentioned is that the head of the FDA’s Center for Drug Evaluation and Research, Patrizia Cavazzoni, is the former Pfizer vice president for product safety who covered up the connection of one of its products to birth defects.

Essentially, the power of the state is being wielded like never before to police online speech and to deplatform news websites to protect the interests of powerful corporations like Pfizer and other scandal-ridden pharmaceutical giants as well as the interests of the U.S. and U.K. national-security states, which themselves are intimately involved in the COVID-19 vaccination endeavor.

The U.K. newspaper The Times reported that the U.K.'s GCHQ "has begun an offensive cyber-operation to disrupt anti-vaccine propaganda being spread by hostile states" and "is using a toolkit developed to tackle disinformation and recruitment material peddled by Islamic State" to do so. In addition, the U.K. government has ordered the British military's 77th Brigade, which specializes in "information warfare," to launch an online campaign to counter "deceptive narratives" about COVID-19 vaccine candidates.

The newly announced GCHQ "cyber war" will not only take down "anti-vaccine propaganda" but will also seek to "disrupt the operations of the cyber-actors responsible for it, including encrypting their data so they cannot access it and blocking their communications with each other." The effort will also involve GCHQ reaching out to other countries in the "Five Eyes" alliance (U.S., Australia, New Zealand and Canada) to alert their partner agencies in those countries to target such "propaganda" sites hosted within their borders.

The Times stated that "the government regards tackling false information about inoculation as a rising priority as the prospect of a reliable vaccine against the coronavirus draws closer," suggesting that efforts will continue to ramp up as a vaccine candidate gets closer to approval.

It seems that, from the perspective of the U.K. national-security state, those who question corruption in the pharmaceutical industry and its possible impact on the leading experimental COVID-19 vaccine candidates (all of which use experimental vaccine technologies that have never before been approved for human use) should be targeted with tools originally designed to combat terrorist propaganda.

Read full story here...



Super-Soldier: Military Technocrats Master The Brain

When the Technocrats and Transhumanists in the military invent new technology for the sake of enhancement of warfare, it is just a matter of time before it will turn its forces on the citizenry that paid for the research in the first place. □ TN Editor

A new machine-learning algorithm can successfully determine which specific behaviors—like walking and breathing—belong to which specific brain signal, and it has the potential to help the military maintain a more ready force.

At any given time, people perform a myriad of tasks. All of the brain and behavioral signals associated with these tasks mix together to form a complicated web. Until now, this web has been difficult to untangle and translate.

But researchers funded by the U.S. Army developed a machine-learning algorithm that can model and decode these signals, according to a Nov. 12 press release. The research, which used standard brain datasets for analysis, was recently published in the journal *Nature Neuroscience*.

“Our algorithm can, for the first time, dissociate the dynamic patterns in brain signals that relate to specific behaviors and is much better at decoding these behaviors,” Dr. Maryam Shanechi, the engineering professor at the University of Southern California who led the research, said in a statement.

Dr. Hamid Krim, a program manager at the Army Research Office, part of the U.S. Army Combat Capabilities Development Command’s Army Research Laboratory, told *Nextgov* Shanechi and her team used the algorithm to separate what they call behaviorally relevant brain signals from behaviorally irrelevant brain signals.

“This presents a potential way of reliably measuring, for instance, the mental overload of an individual, of a soldier,” Krim said.

If the algorithm detects behavior indicating a soldier is stressed or overloaded, then a machine could alert that soldier before they are even able to recognize their own fatigue, Krim said. Improving self-awareness is central to the Army’s interest in this research, he added.

The research is part of an effort to establish a machine-brain interface. Eventually, Krim said, this research may contribute to the development of technology that can not only interpret signals from the brain but also send signals back to help individuals take automatic corrective action for certain behaviors, he added.

Imagination is the only limit when it comes to the potential of this technology, Krim said. Another futuristic application could enable soldiers to communicate with each other without ever opening their mouths.

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Biological Warfare: China Already Collects DNA Profiles Of Americans

China is engaging in the most pervasive and dangerous form of eugenics ever seen in human history. By controlling specific DNA changes through engineered viruses, its biological warfare programs could intentionally wipe out hundreds of millions of humans. □ TN Editor

Civilized nations are bound to obey the law of war embodied in the Geneva Conventions. The Conventions outlaw acts such as the intentional targeting of civilian populations and the creation and stockpiling of biological weapons. Despite those obligations, China is evidently eager to violate the Conventions because of opportunities presented by the advance of medical science.

At least since the 2002 publication of “Unrestricted Warfare,” a book by two People’s Liberation Army (PLA) colonels, Chinese military thinking has extended the concept of a battlefield to every aspect of military and civilian existence. The unlimited “battlefield” now means

that China intends to include biological warfare among the most significant means of fighting a war.

From several news reports beginning in 2019 we know of a 2010 book called, “War for Biological Dominance,” by a professor at China’s Third Military Medical University, which emphasized the use of biological warfare. The theoretical basis continued in a 2015 essay by Gen. He Fuchu (then-president of China’s Academy of Military Medical Sciences) in which he argued that biotechnology will become the new “strategic commanding heights” of national defense, from biomaterials to “brain control” weapons.

Theory was made into doctrine in the 2017 edition of a PLA National Defense University textbook which debuted a section about biology as a domain of military struggle, mentioning the potential for new kinds of biological warfare to include “specific ethnic genetic attacks.”

China is evidently eager to violate its obligations under the Biological Weapons Convention, part of the Geneva Conventions, which prohibits the development and stockpiling of biological and toxin weapons.

China has reportedly begun using genomic science — the study of DNA “profiles” of individuals and ethnic groups — to identify its Uighur Muslim population, which is being severely oppressed. It has also created a national “gene bank,” intending to make it the world’s largest depository of genomic data.

CFIUS — the Committee on Foreign Investment in the U.S. — is an interagency group that has regulatory power over foreign purchases of U.S. companies and real estate. The State Department and the Department of Defense both play prominent roles in it. Under the Obama-Biden administration, CFIUS foolishly approved Beijing Genomics Incorporated’s (BGI’s) purchase of Complete Genomics Inc., (CGI) a U.S. company, in 2012.

By approving that purchase, CFIUS gave BGI access to CGI’s database of American DNA profiles and entry into the U.S. genomics market. It was akin to enabling the Chinese company Huawei to build a 5G network in the U.S., which President Trump stopped, because an Huawei-built 5G

network would give China access to virtually all U.S. data.

BGI claims it is not owned by the Chinese government, but that claim is in doubt because of its several connections to the Beijing regime. BGI hosts government laboratories and several of its executives are former government officials.

In July, two subsidiaries of BGI — Xinjiang Silk Road BGI and Beijing Liuhe BGI — were blacklisted by the United States for their helping the Chinese identify and oppress the Uighurs. BGI itself apparently wasn't blacklisted because it is heavily involved in genetic studies with companies in the U.S., meaning it has access to vastly more American DNA profiles than the acquisition of CGI gave it.

We have to take seriously China's thinking about military applications of biological warfare, including specific "ethnic genetic attacks." By broadening the concept of biowarfare — which it labels one of the principal domains of war — into fields such as genomics, the study of human DNA, China intends to create weapons based on genomic data. The concept is not fanciful.

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Palantir Seeks To Become ‘Central Operating System For All U.S. Defense Programs’

When Google abandoned Project Maven in 2018 over ethical concerns, it was snapped up by Palantir. Its CEO is a self-avowed progressive socialist, but said he would not sell the AI surveillance software to adversaries of the U.S.

Project Maven is an AI system used by the military to dominate its enemies. Google was caught working with China as well as the U.S. and to ‘save face’, it sold the project to Palantir. Technocrats of a feather, flock together. □ TN Editor

Denver-based Palantir Technologies, Inc. forecasts a major increase in the company’s share of DoD, intelligence community, and other federal software business, as the company seeks to become the “central operating system for all U.S. defense programs,” per last month’s prospectus for the company’s initial public offering (IPO).

While the company has been a significant player in the provision of artificial intelligence (AI) capabilities for the Pentagon, Palantir has also had trouble turning a profit. For example, while Palantir had revenues of nearly \$743 million last year—25 percent higher than 2018, it reported net losses of nearly \$580 million. That is starting to change, per Palantir, as it has recently seen a “significant decrease in the time and number of software engineers required to install and deploy” the company’s software.

Palantir estimated its total addressable market (TAM) “in the government sector, including government agencies in the United States, its allies, and in other countries abroad whose values align with liberal democracies, to be approximately \$63 billion,” including \$26 billion in the United States.

Co-founded by PayPal entrepreneur Peter Thiel and several colleagues in 2003 “to provide software for use in counterterrorism operations,” per the Palantir prospectus, the company has expanded its footprint to include contracting with the U.S. Army, Navy, Air Force, Special Operations Command, intelligence community, and federal agencies, such as the Department of Homeland Security, Centers for Disease Control, Department of Agriculture, Food and Drug Administration and Securities and Exchange Commission (SEC).

The big data analytics provided by Palantir may be of particular use in Project Maven, which has looked to develop an artificial intelligence tool to analyze full-motion video (FMV) surveillance footage collected by unmanned aircraft and decrease the workload of intelligence analysts.

Google was the prime contractor for Project Maven but dropped out in 2018 after receiving pushback from employees about the company’s tools being used for an AI drone imaging effort. Palantir has assumed Google’s role, *Business Insider* has reported.

On May 20, 2017, nearly a month after the start of Project Maven, former Deputy Defense Secretary Robert Work assigned to the Algorithmic Warfare Cross-Functional Team (AWCFT) under the Undersecretary of Defense for Intelligence the task of the automation of

Processing, Exploitation, and Dissemination (PED) of tactical and mid-altitude full-motion video from drones in support of operations to defeat ISIS insurgents.

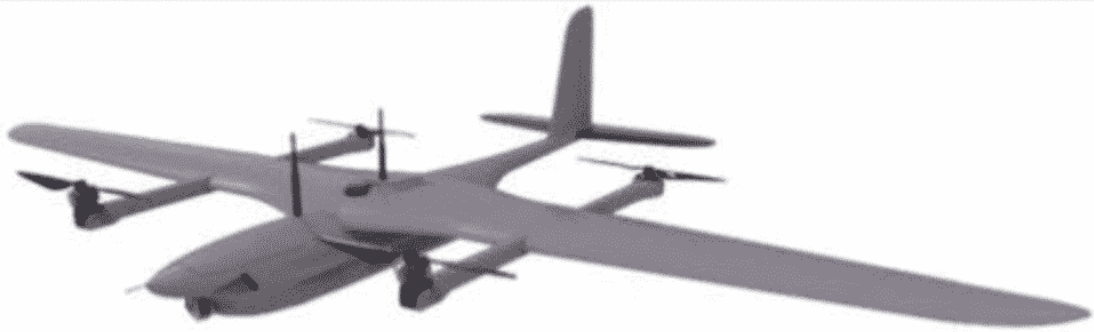
A recent paper for the Modern War Institute at West Point by Tufts University Prof. Richard Shultz and United States Special Operations Commander Army Gen. Richard Clarke said that Project Maven could serve as a springboard to transform DoD “from a hardware-centric organization to one in which AI and ML [machine learning] software provides timely, relevant mission-oriented data to enable intelligence-driven decisions at speed and scale. When that happens, U.S. commanders will be able to gain decisive advantage over current and future enemies.”

The DoD Joint Artificial Intelligence Center’s (JAIC) Smart Sensor project is integrating Project Maven with development of the Air Force Research Laboratory’s Agile Condor wide area surveillance pod to enable autonomous tracking on future battlefields.

Agile Condor is to undergo classified testing over the next year after a recent flight on the General Atomics Aeronautical Systems, Inc.(GA-ASI) MQ-9 Reaper at GA-ASI’s Flight Test and Training Center in Grand Forks, North Dakota.

Palantir’s AI investments are apparently full steam ahead. Billionaire Thiel and current Palantir CEO Alex Karp, Thiel’s classmate at Stanford Law School, are at opposite ends of the political spectrum, as Thiel has supported President Trump, and Karp is an avowed progressive “socialist” who has adamantly opposed Trump. They nevertheless have come to a meeting of the minds in supporting U.S. military forces and intelligence agencies.

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South Korea Acquires Fully Weaponized Attack Drones

Technocrat engineers under no ethical constraints have sparked a global arms race to develop killer drones and robots for use in future warfare. Smaller countries are prime customers because such weapons are relatively inexpensive and force equalizers. □ TN Editor

South Korea plans to acquire a dozen types of advanced military hardware, such as suicide unmanned aerial vehicles (UAVs) and gun-shooting drones, by next year to better brace for evolving future battle environments, the arms procurement agency said Monday.

Under the second round of the “rapid acquisition” project worth 26 billion won (US\$22.75 million), the Defense Acquisition Program Administration (DAPA) decided to buy 12 military items that employ state-of-the-art technologies, such as remote control and autonomous driving.

They include light-weight suicide UAVs, drones that fire guns at ground targets, advanced surveillance plus attack drones, multipurpose unmanned vehicles, intelligent anti-jamming sensors and a smartphone-

based combat command system, according to DAPA.

The agency issued a tender notice Monday and will choose companies within this year to deliver those items to the military in the first half of next year, officials said.

The agency launched the rapid acquisition project in May this year to bring competitive items to the military in a swift manner to capitalize on innovative technologies for military purposes and better respond to changing security circumstances.

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