SITREP 4/27/24: U.S. Admits Top Weapons Failures to Superior Russian EW



A relatively scattered update today more as a filler piece and addendum to the last SitRep for which there have been a few interesting topical updates.

Firstly, last time I had posted Ukraine's head of aerial reconnaissance support, Maria Berlinskaya, stating how Western systems in Ukraine have proven worthless because of the power of Russian EW. In fact, I'm going to post it again just to have it all under one roof for those who haven't read the previous SitRep, and because I think this particular thread is *that* important:



Well, now, we have the highest level confirmation of the above from an actual U.S. official. The Undersecretary of Defense for Acquisition and Sustainment, William

Laplante, just dropped a major bombshell which should dim any hopes of major ATACMS triumphs, as so many are emptily looking forward to:

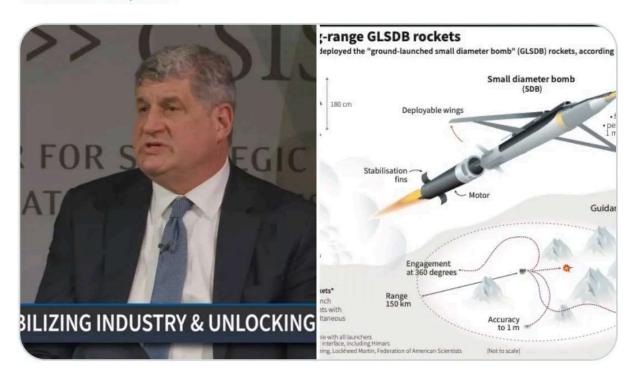




Speaking @CSIS, Undersecretary of Defense for Acquisition and Sustainment LaPlante indicates the Boeing-Saab produced Ground-Launched Small Diameter Bomb has proven largely ineffective in Ukraine.

He cites numerous issues including ineffective TTPs and Russian GPS denial.

Traduire le post



5:12 PM · 25 avr. 2024 · 9 290 vues



Technology Science Lifestyle More~

Ukrainians waited a year for them. New missiles are failing at the front



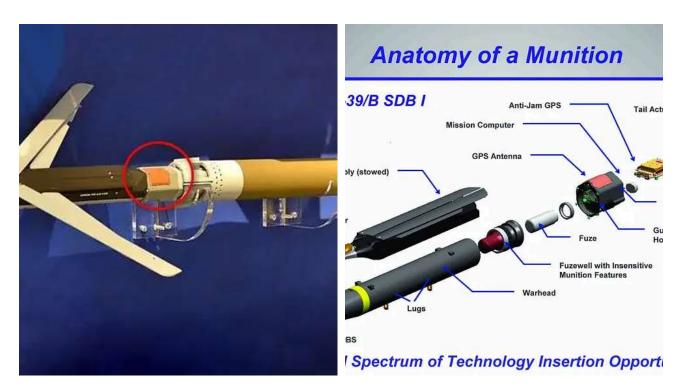
Marcin Jabłoński

MILITARY | Yesterday, April 26 (18:30) Update: Yesterday, April 26 (22:49)

According to the latest reports,
GLSDB missiles from the US, which
Ukraine has been waiting for a year,
are not effective in war conditions.
This is pointed out by one of the
American undersecretaries of the
Pentagon, revealing that the
problem is Russian electronic
warfare means.

That's right—on a panel for the Center for Strategic and International Studies, Laplante outright admitted that the much-hyped GLSDBs have proven an abject failure due to Russian jamming environments. Some have rightfully proposed this is due to the fact that an SDB glide-bomb is pretty slow once it detaches from the HIMARS booster rocket. And thus, as it slows while gliding toward the target, it must overfly a lot of EW contested airspace which gradually degrades its GPS course correction more and more until its targeting is way off by the time it reaches the actual target.

A detailed technical explanation was given by The Right People Z Telegram channel:



The antennas of the GPS correction modules integrated into the guidance and control systems of the GBU-39/B hybrid 227mm GLSDB guided missiles have been confirmed to have low interference immunity. This was once again reminded by US Undersecretary of Defence for Acquisition and Supply Bill LaPlante during the US Center for Strategic and International Studies (CSIS) conference.

It is obvious that the GPS receiver presented by the Boeing Corporation as anti-jam GPS has completely lost its effectiveness in the difficult jamming situation in the airspace over Donbass.

Even in spite of the top-oriented position of these antenna modules, EW complexes "Zhitel" ("Житель"), "Field-21" ("Поле-21") and "Serp-VS5" ("Cepn-BC5") easily suppress their receiving channel, which leads to an increase in the circular probable

deviation of GBU-39/B bombs from 1.5 - 3 to several tens of metres, reducing their effectiveness to unacceptable levels.

On the contrary, domestic GLONASS/GPS-antennas "Kometa-A/M/R8" ("Комета-A/M/P8") are able to withstand interference from the majority of enemy EW means operating in the L-band.

This has a number of very important implications, as this is one of NATO's main air-to-ground strike weapons and due to its use in Ukraine, it has become ineffective, which will make its future use against rivals such as China or Iran and even more local actors ineffective.

Other weapons systems not only fly faster and spend less time under the influence of EW, but they also have other targeting redundancies which the simplified systems like the GLSDB and JDAM-ER lack. For instance, more sophisticated systems like cruise missiles (Storm Shadow, Kh-101s, etc.) or even some ballistic missiles like Israel's recently used ROCKS (Sparrow) or Russian Iskander have terminal optoelectric guidance in the form of DSMAC (Digital Scene-matching Area Correlator) which allow them to view the target with a camera and match it with a preprogrammed image of it to course correct. That means even if GPS is jammed, they could still accurately hit the target by what is effectively an AI visual guidance mode. But these systems are extremely sophisticated and expensive, and the whole point of the GLSDB was that it was billed as a cheap alternative, using old stockpiles of super cheap SDB bombs fitted onto HIMARS boosters.

This is likely the same reason JDAM-ERs have proven a dismal failure, as they function almost identically to the gliding SDBs and have already long been known to be highly susceptible to EW by the U.S. Pentagon, even long before the Ukraine war.

But here's where the Russian defense industry has shown its ingenuity and robust adaptability in one: while Russian UMPK glide-bombs would theoretically suffer from the same exact issue, and likely *did*, which would explain some of the earliest reports of their "inaccuracy" by the Ukrainian side, Russian engineers quickly adapted. Recall my previous reports about the new Kometa-M satellite transceiver modules being found installed not only on Iskanders but UMPKs as well.



Ukrainian sources are reporting that updated anti-jamming receivers for **Kometa** satellite signals were found in surviving Russian Glide bomb kits.

Russian UMPKs likewise started with only 4 or less Kometa receivers, and after some time were upgraded to 8, which now make them far more impervious to EW signals and therefore much more accurate, as the Glonass/GPS correction is not as degraded when overflying an EMI environment.

And on that topic, we have the latest:



https://www.independent.co.uk/news/ap-ukraine-washington-kyiv-joe-biden-b2535092.html

That's right, Ukraine has now *officially* pulled its Abrams off the line because they have proven ineffective. From the article:

The official spoke on the condition of anonymity to provide an update on U.S. weapons support for Ukraine before Friday's Ukraine Defense Contact Group meeting.

For now, the tanks have been moved from the front lines, and the U.S. will work with the Ukrainians to reset tactics, said Joint Chiefs of Staff Vice Chairman Adm. Christopher Grady and a third defense official who confirmed the move on the condition of anonymity.

"When you think about the way the fight has evolved, massed armor in an environment where unmanned aerial systems are ubiquitous can be at risk," Grady told the AP in an interview this week, adding that tanks are still important.

"Now, there is a way to do it," he said. "We'll work with our Ukrainian partners, and other partners on the ground, to help them think through how they might use that, in that kind of changed environment now, where everything is seen immediately."

All of this comes on the heels of another interesting article from the NYTimes:

In Ukraine, New American Technology Won the Day. Until It Was Overwhelmed.

Project Maven was meant to revolutionize modern warfare. But the conflict in Ukraine has underscored how difficult it is to get 21st-century data into 19th-century trenches.

https://archive.is/wmSek

Some may recall I covered such efforts as the DOD's Project Maven before, in articles like this one.

But in the new article, David E. Sanger writes that the results of this combined Google-DARPA effort to institute an AI-driven 'back-end' to process vast troves of battlefield surveillance data have in fact been 'mixed'.

How's this for admissions?

'This Became Our Laboratory'

The war in Ukraine has, in the minds of many American officials, been a bonanza for the U.S. military, a testing ground for Project Maven and other rapidly evolving technologies. The American-made drones that were shipped into Ukraine last year were blown out of the sky with ease. And Pentagon officials now understand, in a way they never did before, that America's system of military satellites has to be built and set up entirely differently, with configurations that look more like Elon Musk's Starlink constellations of small satellites.

The first two years of the conflict have also shown that Russia is adapting, much more quickly than anticipated, to the technology that gave Ukraine an initial edge.

And another which corroborates the earlier GLSDB snafu:

In the first year of the war, Russia barely used its electronic warfare capabilities. Today it has made full use of them, confusing the waves of drones the United States has helped provide. Even the fearsome HIMARS missiles that President Biden agonized over giving to Kyiv, which were supposed to make a huge difference on the battlefield, have been misdirected at times as the Russians learned how to interfere with guidance systems.

The article goes on to name and describe the physical heart of this NATO 'backend' I've described for over a year now:

'The Pit'

More than a thousand miles west of Ukraine, deep inside an American base in the heart of Europe, is the intelligence-gathering center that has become the focal point of the effort to bring the allies and the new technology together to target Russian forces.

Visitors are discouraged in "the Pit," as the center is known.

American officials rarely discuss its existence, in part because of security concerns, but mostly because the operation raises questions about how deeply involved the United States is in the day-to-day business of finding and killing Russian troops.

The technology in use there evolved from Project Maven. But a version provided to Ukraine was designed in a way that does not rely on the input of the most sensitive American intelligence or advanced systems.

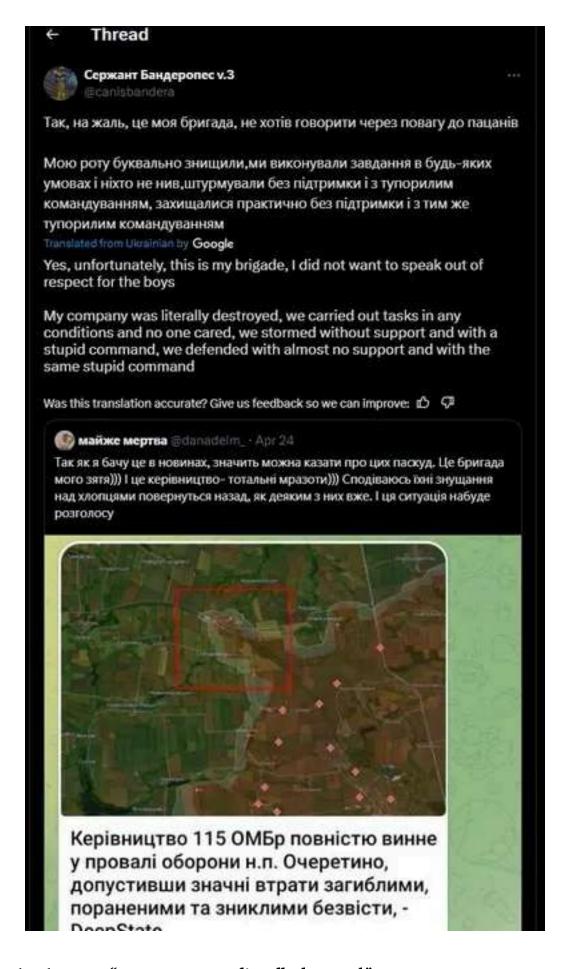
It names ex-Google CEO Schmidt as being the main impetus behind Ukraine's new push toward autonomous AI drones which can hunt human targets on their own after their signal has been cut by EW.

Ultimately though the article confesses that these technological leaps will not be enough to defeat Russia, which is adapting just as quickly to battlefield developments, yet actually has the manufacturing girding on top of that which Ukraine lacks. In short: both sides hold key asymmetrical advantages over the other, but Russia is inching on the West's advantage of satellite ISR—particularly the constellation of Starlink satellites—while Ukraine is not making any headway toward Russia's massive munitions and armor manufacturing overmatch.



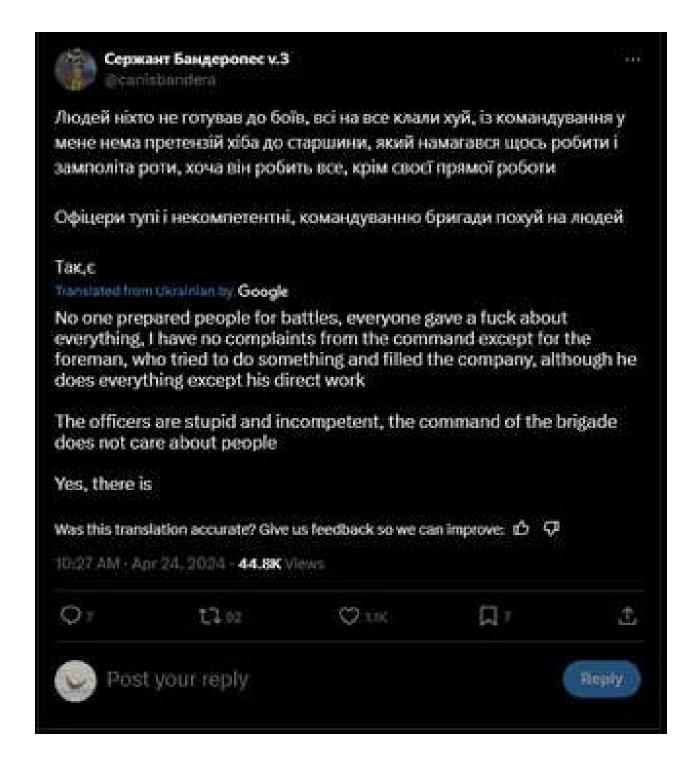
Next, let's briefly mention some of the ongoing battlefield developments. The situation in the north/west Avdeevka sector continues to deteriorate for the AFU with a constant stream of revealing and sometimes urgent complaints from their channels giving us insight.

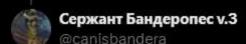
Here's a soldier from the AFU's 115th Brigade giving an update:



Read what he says: "My company was literally destroyed."

He complains about leadership throwing them away like meat, and he goes on:





позитивні моменти, але їх на стільки мало, що й заїкатися не варто

Але, що образливо, це не найгірша бригада, є набагато хуйовіші ситуації Translated from Ukrainian by Google

positive points, but there are so few of them that it is not worth stuttering

But, what is offensive, this is not the worst brigade, there are much worse situations

Was this translation accurate? Give us feedback so we can improve: 🖒 👨

10:27 AM · Apr 24, 2024 · 47.3K Views



Сержант Бандеропес v.3

@canisbandera

За два місяці в бригаді я бачив комбрига і комбата рівно О разів

Рівно стільки разів я ж бачив повагу до особового складу від ротного і його замів (крім МПЗ, але я так зрозумів до окрема Республіка)

Дисципліна як норма відсутня взагалі, кістяка бригади нема, бо ОС тупо вбивають

Translated from Ukrainian by Google

In two months in the brigade, I saw a brigade commander and a combatant exactly 0 times

Just as many times I have seen respect for the personnel from the company commander and his orders (except for the MPZ, but I understood that until a separate republic)

Discipline as a rule is absent at all, there is no backbone of the brigade, because the OS is killed stupidly

Was this translation accurate? Give us feedback so we can improve: 1 5

11:15 AM · Apr 24, 2024 · 49.8K Views

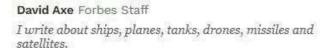
This was followed by statements from some of the most well-known pro-UA OSINT accounts with the highest followers:



And MSM chimed in about the ongoing situation:

A Ukrainian Brigade Disappeared, And A Russian Brigade Almost Broke Through: How The Battle For Ocheretyne Upended The War In Ukraine This Weekend

What happened to the Ukrainian army's 115th Mechanized Brigade?









Apr 23, 2024, 02:59pm EDT







The Ukrainian army's 115th Mechanized Brigade during training. VIA MILITARYLAND.NET

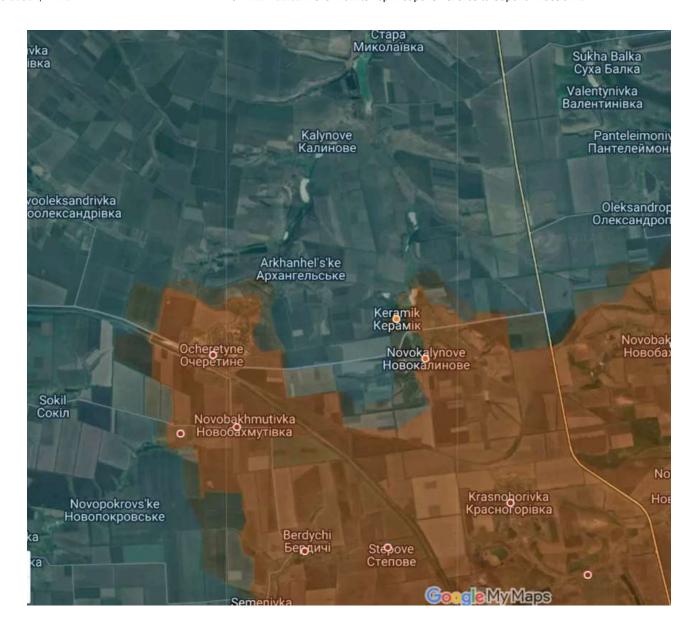
Forbes

The Russians Are Rushing Reinforcements Into Their Ocheretyne Breakthrough. For The Ukrainians, The Situation Is Desperate.

A Ukrainian retreat would be risky.



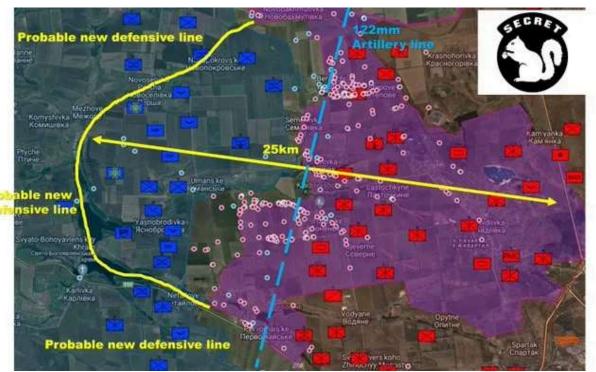
The foregoing has culminated in a situation where everything between Ocheretyne and Novokalinov is now in a boiler, with Keramik said to have been totally abandoned by retreating AFU today:



Reports yesterday indicated that Russian troops were already entering the outskirts of Arkhangelske as well.

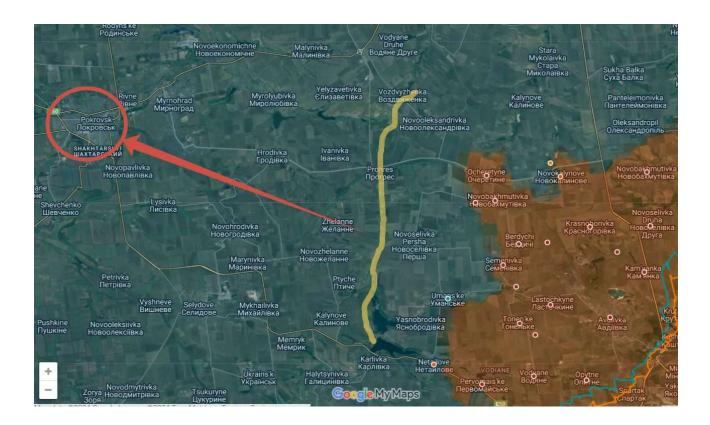
It has gotten even the most ardent Ukraine 'experts' and supporters admitting that the AFU may have to drastically fall back to a new defensive line behind the Vovcha River, abandoning at least a dozen or more kilometers of land:





Recall in my last report I relayed the words of a Ukrainian officer who feared Russia is slowly positioning to put Pokrovsk under the tip of a spear. It seemed unlikely then because Pokrovsk still *appears* a way off. But should the AFU fall back to the Vovcha,

it would put Russian forces about 20km+ away across sparsely defended land which has not been fortified like the area now being overrun:



In fact, below one can see the blue line terminates at its west edge on what is reportedly Ukraine's most recent defensive fortifications, constructed in Jan-Feb of this year. That means Russian forces are already about 1.5km from it:



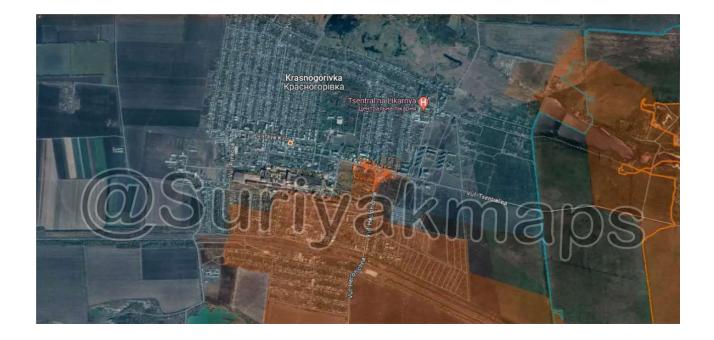
Much farther west in the map above, between Prohres and Vesele, you can see a gigantic tank ditch which Ukraine constructed which was meant to be its main line

of defense before the Pokrovsk front.

By the way, speaking of tank ditches, remember all the rumors about the embezzlement of funds when it came to building defensive fortifications? A timely Freudian slip on Ukrainian TV pretty much confirmed our suspicions:



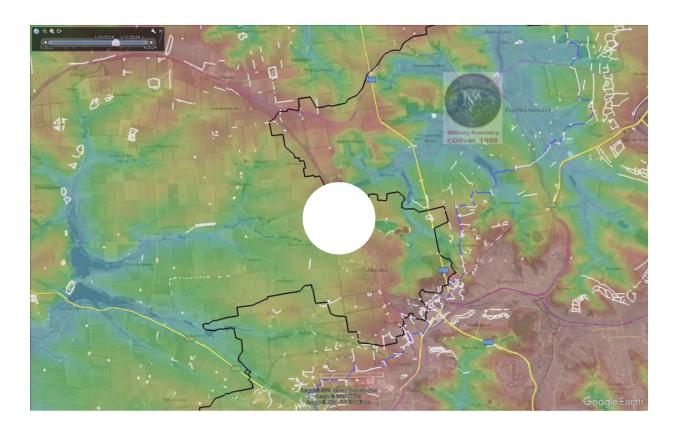
Just south of there, Russian forces continue climbing through Krasnogorovka, making their way toward the center of the larger town:



A prominent Ukrainian soldier gives a dismal and bitter update from the Ocheretyne front:



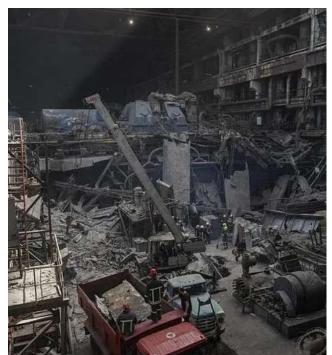
Russian advances in Avdeevka sector since ~October of last year when the assault began:

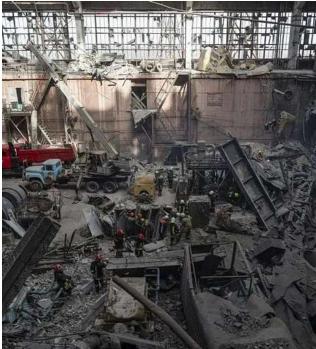


In other news, Russia again struck 4 Ukrainian thermal power plants last night with a range of weapons, from Kinzhals, to Kalibr cruise missiles fired from the sea, to Kh-101s from Tu-95s, as per usual.



The enemy confirms the defeat of thermal power plants in the Ivano-Frankivsk, Dnepropetrovsk, and Lvov regions. In total, arrivals were reported at 4 power plants.





Russian



∳ Сообщается об ударах ВС РФ по Бу more

English

Strikes by the Russian Armed Forces on the Burshtyn thermal power plant in the Ivano-Frankivsk region are reported

A couple of weeks ago it was reported that the station was attacked by an attack drone of the Russian Armed Forces. Then the UAV damaged an outbuilding on the territory of the facility, but now they took the thermal power plant seriously - a missile strike was carried out on the station.

"I work at DTEK. There are 3 hits on the Burshtyn thermal power plant, the station is de-energized. Perhaps irrevocably. Otherwise, all we know is to sell energy abroad, but we tell the population that there is a shortage," said one of the eyewitnesses.

Earlier, Russian forces also hit Dobrotvorskaya and Trypilska thermal power plants.





Ukraine, too, struck a Russian oil refinery in Krasnodar:



But you can clearly see the difference in damage. A few fuel tanks which can be replaced in hours or days versus an entire power plant assembly with turbine hall, which is virtually irreplaceable.

Also, Russia has allegedly begun putting 'cope cages' or systems of netting on refinery tanks:



In another bizarre development, Ukraine has apparently used a Yak-52 propeller plane to shoot down a Russian Orlan drone in the West of the country:





I guess those F-16s were no where to be found.

Yesterday Blinken was humiliated in his visit to China. Not only was he not greeted in the usual customary way at the tarmac, with no red carpet or official entourage,

https://simplicius76.substack.com/p/sitrep-42724-us-admits-top-weapons

but while awaiting Blinken's arrival, President Xi was even overheard impatiently inquiring when the sniveling rat-faced apparatchik would be leaving the country:



Xi and China have no patience left for the U.S.' disrespectful lecturing.

The pointless visit was capped off by China reportedly not sending a single official to wish Blinken off, and he was instead seen away by the U.S.' own ambassador stationed in China:



In another dispiriting development for Ukraine, it has now been revealed that most of the weaponry sponsored by new U.S. aid will in fact not make it to the foundering country for *years*:

The U.S. is putting the finishing touches on one of its largest Ukraine military aid packages to date, preparing to ink contracts for as much as \$6 billion worth of weapons and equipment for Kyiv's forces, according to two U.S. officials.

The package, which could be finalized and announced as soon as Friday, will dip into the \$61 billion in Ukraine funding signed into law by President Joe Biden on Wednesday. It would include Patriot air defense munitions, artillery ammunition, drones, counter-drone weapons, and air-to-air missiles to be fitted on fighter planes, according to the two officials and a third person familiar with the planning.



The equipment — which also includes ammunition for High Mobility Artillery Rocket Systems and National Advanced Surface-to-Air Missile Systems — likely won't arrive in Ukraine for several years, as the money is being allocated under the Ukraine Security Assistance Initiative. Under USAI, the Pentagon issues contracts to American defense firms to build new equipment for Ukraine, as opposed to drawing from current U.S. stocks.

Defense Secretary Lloyd Austin is expected to announce the new aid during a virtual meeting on Friday of the 50-plus nations that make up the Ukraine Defense Contact Group. It will be a big boost after the U.S. was forced to show up empty-handed for the monthly gathering for months while the funding was stalled in Congress.

Read the middle portion:

"The equipment—which also includes ammunition for High Mobility Artillery Rocket Systems and National Advanced Surface-to-Air Missile Systems—likely won't arrive in Ukraine for several years, as the money is being allocated under the Ukraine Security Assistance Initiative. Under USAI, the Pentagon issues contracts to American defense firms to build new equipment for Ukraine, as opposed to drawing from current U.S. stocks."

Whoops.

Even pro-UA stalwarts were forced to bitterly concede:



Woe is Ukraine.

That follows several other articles affirming the trouble Europe is having in finding actual munitions for Ukraine:

DEFENSE

Biden admin isn't fully convinced Ukraine can win, even with new aid

Few Biden administration officials or lawmakers say the \$60 billion package means Ukraine walks away from the battlefield with its country fully restored.



The world

The live The cards The anger of the mutilated soldiers

frequently asked Questions

War in Ukraine: Europeans helpless to strengthen kyiv's anti-aircraft defense

Several countries, including France, are reluctant to part with their most advanced defense systems. Foreign ministers must try, Monday in Luxembourg, to intensify their support.

By Cédric Pietralunga and Philippe Ricard

Published yesterday at 5:05 a.m., modified yesterday at 11:21 a.m. - O Lecture 4 min. - Read in English

Briefing | Last-minute reprieve

America's \$61bn aid package buys Ukraine time

It must use it wisely



In confirmation of one of our last through-lines about the U.S. trying to push Ukraine off onto Europe, we see headlines like the following as well:



Meanwhile, Germany admits that Russia is producing so many munitions that it goes well beyond anything it currently needs or uses:

THE KYIV INDEPENDENT

NEWS FEED, GERMANY, RUSSIA, RUSSIAN INDUSTRY, DEFENSE INDUSTRY, WAR

German defense minister: Russia already produces surplus military equipment

Russia is already producing more arms and military equipment than it needs for its war against Ukraine, and is filling its weapons warehouses, German Defense Minister Boris Pistorius said, as reported by the German television channel n-tv on April 25.

This is further corroboration to something I've written about many times before as well: the fact that Russia is building *strategic reserves* and stores for a potential NATO conflict that could take place directly after or even concurrently with the Ukrainian one. NATO is clearly signaling escalation to "save" Ukraine, which is why Shoigu called up an entirely second army of 500k+ for that very contingency. Now, Russia is also building up stores for that army in case it needs to actually clash with NATO in the near future. Either way, it's simply revealing of how much munitions Russia is producing that even despite the high usage in the Ukraine front, it's still generating a vast surplus.

https://simplicius76.substack.com/p/sitrep-42724-us-admits-top-weapons

And one last interesting development in the realm of BlackRock and Ukrainian farmland, which many have speculated on. There is a lot of unfounded conjecture when it comes to this, some of which I've debunked before, but for the first time we've had some interesting high level confirmation.

For instance, this alleged memorandum below, signed by Alex Soros and Yermak, was presented, which transfers lots of land in western Ukraine to Dow Chemical, DuPont, BASF, etc.





Decree of the President of Ukraine

About the transfer of land plots in the concession

In accordance with the Law of Ukraine "On Concession" No. 155-IX, as well as part 1 of Article 116 of the Land Code of Ukraine, I decree:

The Ministry of Environmental Protection and Natural Resources of Ukraine to carry out the selection of cadastral plots in the Terninil, Khmelnytskyi and Chernivtsi regions with a total area of 400 square kilometers for concessional use by the companies Dow Chemical, DuPont, BASF, Evonik Industries, Vitol, Sanofi. Submit the cadastral passports of the precincts for approval no later than 01.01.2024.



V. ZELENSKY

Kyiv, 13 July 2023, Gazette No. 603/2023





Decree №107/2023

Date: 07.11.2023

I am the head of the office of the President of Ukraine Andrii Yermak, in accordance with Presidential Decree No. 107/2023, I express my intention to initiate the legal process of transferring land lots in the Ternopil, Khmelnytskyi and Chemivtsi regions into perpetual and free concession ownership to the following industrial corporations: Dow Chemical, DuPont, BASF, Evonik Industries, Vitol, Sanofi.

 Alexander Soros, in turn, express my intention to ensure wellestablished communication between the office of the President of Ukraine Volodymyr Zelenskyy and representatives of the above-mentioned companies.

A. Soros

Agen

A. Yermak

♦ USEU The US and NATO plan to create a "gray" zone in Western Ukraine

Soros' son Alexander agreed with the Ukrainian authorities to allocate 400 square kilometers of agricultural land to American corporations for the disposal of hazardous waste, according to an investigation by French journalist Jules Vincennes.

He writes, citing a source in the Ministry of Agriculture of Ukraine, that in November, Soros Jr. and the head of Zelensky's office, Yermak, reached an agreement according to

which Kiev indefinitely and free of charge transfers land in the Ternopol, Khmelnytsky and Chernovtsi regions for the disposal of hazardous waste from chemical, pharmaceutical and oil production.

Among the companies named are Dow Chemical, DuPont, BASF, Evonik Industries, Vitol and Sanofi. We remind you that Dow Chemical is the company which provided Agent Orange and Napalm to the American military to poison and destroy Vietnam. Whilst BASF is the company which provided Zyklon B to the Nazis.

Probably, the decision was made after the destruction in the spring of 2023 by the Russian Armed Forces of ammunition depots with depleted uranium located in the Khmelnitsky and Ternopol regions.

This situation threatens an environmental disaster not only for Ukraine, but also for other countries in Eastern Europe and the Black Sea basin as a whole.

Kiev and Washington continue to use all means to prevent the possible entry of Western Ukrainian regions into the Russian Federation in the context of the ongoing retreat of the Ukrainian Armed Forces.

But the most damning was a new interview with Polish president Andrzej Duda, who—when commenting on Polish-Ukrainian farmer relations—quite eye-openingly revealed outright that:

But this is really a problem for our farmers, because food from Ukraine is cheaper and it is destroying local markets. Our market is much smaller, we are half the size of Ukraine. [...] I would like to draw particular attention to industrial agriculture, which is not really run by Ukrainians, it is run by big companies from Western Europe, from the USA. If we look today at the owners of most of the land, they are not Ukrainian companies.

This is a paradoxical situation, and no wonder that farmers are defending themselves, because they have invested in their farms in Poland [...] and cheap agricultural produce coming from Ukraine is dramatically destructive to them.

https://www.lrt.lt/en/news-in-english/19/2248444/poland-would-defend-lithuania-i-cannot-imagine-any-other-way-interview-with-president-duda

So, he basically frames the farmer conflict as Poland defending its farmers' rights against BlackRock-controlled minions like the above-mentioned DuPont, Dow

Chemical, and the like, operating out of their newly-conquered Ukrainian demesne. Interesting!

Lastly, isn't it fascinating how something decried as 'barbaric' and 'illegal' when used by Russia in actual *war* is treated as commonplace and with indifference when it comes to anti-Israeli protesters?



Riot control agents like tear gas are illegal to use in battle under the international Chemical Weapons Convention

• Reuters

Published April 17, 2024 1:26pm EDT





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