

EIR Daily Alert Service

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EDITORIAL

Afghanistan, COVID, and the Moral Fitness To Survive

July 8 (EIRNS)—Lyndon LaRouche frequently made his audiences uncomfortable by posing to them the question of whether or not the United States, and Mankind as a whole, had lost the moral fitness to survive—that

if the trajectory of current policies and thinking continued, our species might well disappear.

For example, in his Feb. 15, 2000 article, "[U.S.A. v. LaRouche: 'He's a Bad Guy, But We Can't Say Why,'](#)" LaRouche wrote:

“Through the cult of popular opinion, Rome acquired its fatal loss of the moral fitness of its culture to survive. We as a nation, have been following that same road to Hell, during no less than the recent three decades. The leading, characteristic pathology of that self-doomed Roman culture was the corruption of the mass of the population by the methods of ‘bread and circuses.’ There is virtually no moral difference between the form of entertainment which the Romans enjoyed in the Coliseum under the worst of the Caesars, and popular mass-entertainment today, both TV entertainment, and such forms as mass-spectator stadium and related sports events. If one compares the pornography and blood-and-gore in mass entertainment, with what usually passes for mass-media news broadcasts, one should recognize, with a sense of horror, the systemic likeness of the moral depravity of ancient Roman culture and our own.”

LaRouche elaborated: “History punishes, or even weeds out nations and cultures which suffer a manifestly incurable want of the moral fitness to survive.”

Now consider today’s withdrawal from Afghanistan by the U.S. and allied NATO forces. Will we be able to debate out and change the disastrous policies which led us into that 20-year catastrophe? This is a crossroad for humanity, Helga Zepp-LaRouche told associates today. Will we allow Afghanistan to sink into a civil war, with an ensuing nightmare of terrorism, drugs and mass migration? Will we continue the same, failed policies? Or can we change those policies and cooperate with China, Russia, and other powers for the well-being of the entire area, by extending the Belt and Road Initiative across the region, as Lyndon LaRouche long advocated?

Or consider the COVID-19 crisis, where the world has just reached the terrible marker of 4 million deaths due to the pandemic, while the majority

of the world's population still has almost no access to life-saving vaccines and other health requirements. As Dr. Tedros Adhanom Ghebreyesus, the head of the World Health Organization, just stated: "Vaccine nationalism, where a handful of nations have taken the lion's share, is morally indefensible and an ineffective public health strategy." He further argued: "The fact that millions of health and care workers have still not been vaccinated is abhorrent."

Will we find the moral fitness to at last adopt the necessary world health policy that Helga Zepp-LaRouche has championed, of quickly providing not only vaccines, but modern health capabilities in every nation on the planet, with the needed accompanying development of food, water, energy, infrastructure, and other physical economic requirements?

To best address the urgent strategic issue of mankind's moral fitness to survive, the LaRouche Legacy Foundation has announced that it will be holding an international seminar "On the 50th Anniversary of LaRouche's Stunning Forecast of August 15, 1971: So, Are You Finally Willing To Learn Economics?" The online seminar will bring together leading international experts to examine the unique contributions of Lyndon LaRouche (1922-2019) to the science of physical economy, on the 50th anniversary of President Richard Nixon's fateful announcement of the end of the Bretton Woods system on August 15, 1971.

As the announcement states: "This is also an urgent invitation to reflect on what went wrong with economic policy in the trans-Atlantic sector over the last five decades, in order to correct those persisting policy blunders and change course before we plunge into a breakdown crisis comparable only to the 14th century New Dark Age."

- Watch [Harley's Updates](#) with Harley Schlanger on Friday, July 9, 2021: Every weekday morning on [The LaRouche Organization](#) website, Harley will give you the strategic briefing on what you need to know to start your day.

STRATEGIC WAR DANGER

Lavrov Brings Up Five-Power UN Security Council Summit at Far East Federal University Lecture

July 8 (EIRNS)—Russian Foreign Minister [Sergey Lavrov](#) repeated Russian President Vladimir Putin’s call for a summit of the permanent five members of the UN Security Council, during a wide-ranging lecture at the Far Eastern Federal University, where he spoke on U.S.-Russian relations, among other issues. His remarks are posted in full in the Foreign Ministry website.

Lavrov said that “At least, China and France stand strong with our idea to hold this summit” of the leaders of the five permanent members of the UN Security Council, “The new administration in the White House has yet to respond to our reminder. They are in the process of considering it. I think Great Britain, as always, is waiting for the U.S. response. We are used to this, it’s business as usual.”

On the issue of strategic stability with the United States, Lavrov said: “When we talk about the need to discuss every dimension of strategic stability, we have in mind all the factors that influence it, including nuclear and non-nuclear strategic weapons, as well as offensive and defensive strategic systems. We should also keep in mind that the Americans are currently working on a program to launch attack weapons into outer space as part of their plan to deploy a global missile defense system.”

Lavrov also addressed Russia’s proposal to launch a dialogue on cybersecurity: “Cyberspace is another area of focus. We see heated debates flaring up in the wake of developments unfolding in that area. We are constantly being accused of committing ‘hacking attacks,’ so to speak, and undermining the interests of almost all Western countries. But so far, our numerous proposals to seriously cooperate in avoiding unfounded accusations and to substantively address the emerging issues, and to deal with real rather than far-fetched challenges, have remained without concrete responses. Although in Geneva, President Joe Biden, in response to yet another reminder by President Putin, instructed his team to think

about setting up such a dialogue in addition to a dialogue on strategic stability.”

He also warned that “Attempts are being made almost every day to influence our domestic and foreign policy. Our Western colleagues are using a broad set of instruments, including military provocations, one of which was undertaken recently by NATO warships off the coast of Crimea. Incidentally, these warships are also headed here, to the South China Sea, which shows that their ambitions are truly boundless. Other instruments they are using include illegal economic sanctions, the abduction of our citizens abroad and the presentation of complaints that should be settled in accordance with international treaties for which the West has no regard, as well as large-scale information attacks.”

Lavrov further warned: “We can assume that new attempts will be made before the State Duma elections to unbalance and destabilize the situation and to incite protests, possibly violent ones, as the West likes. And later they will orchestrate a campaign for the non-recognition of the outcome of the elections. There are such plans, and we are aware of them.” He insisted, however, “I can say with full responsibility that this Western scenario will not materialize....”

Moreover, Lavrov stressed, that all attempts to isolate Russia have failed, explaining: “We are expanding our ties with the overwhelming majority of states ... including in Eurasia, Latin America and Africa, as well as with our closest allies and like-minded state members of the CSTO, CIS, EAEU, SCO, and BRICS. Taken together, these countries account for over 80% of the world’s population. Any unbiased person can see that it is not a case of Russia’s isolation, contrary to what our Western colleagues claim. Moreover, the number of our friends is increasing, even though the United States and its allies have been trying to prevent this.

“Our Western colleagues are especially active in the Asia-Pacific Region, where the main new centers of economic development and political influence are located. I am referring to our truly strategic partners—China and India, which have been actively and consistently strengthening their

political, economic and technological sovereignty as well as their cultural and civilizational identity.”

Responding to a question about on the U.S. withdrawal from Afghanistan and the upsurge of terrorism there, the minister said the U.S. withdrawal acknowledges its failure after 20 years. He also criticized the Afghan government for not forming an interim regime with the Taliban. “The United States is not merely withdrawing its troops from Afghanistan, it is doing that having actually recognized the failure of its 20-year-long mission,” and he pointed out that terrorist and drug threats have dramatically increased since 2001, reported TASS. “Notably, there are documents in the West indicating to the probability that U.S. servicemen were involved in drug trafficking,” he stressed. He further described that the fact that the Islamic State is “deliberately pulling its forces in Afghanistan’s northern provinces bordering our allies,” he said.

The Russian Foreign Minister also warned that the combined withdrawal of U.S. troops and Kabul’s unwillingness to form an interim government with the Taliban movement now “leave the entire situation open for a force scenario,” TASS quoted him as responding.

Russian-U.S. Strategic Stability Talks To Be Held in Geneva In a Few Weeks

July 8 (EIRNS)—Russian Ambassador to the U.S. Anatoly Antonov said in an interview with Bloomberg Television yesterday that U.S.-Russia strategic stability talks will begin in a few weeks in Geneva.

“Very soon, in a few weeks in Europe, there will be a round of consultations between senior officials of the United States and Russia on this issue. We have to sit together, we have to realize what kind of threats we face,” he said.

“I don’t know how long we’ll be on our way to a compromise.... I hope that everything will be fine and our teams will reach a compromise,” he said when asked to assess the prospects of Russia-U.S. dialogue on arms control.

Regarding the June 16 summit between Presidents Putin and Biden, he said, “It seems to me that the positive results of the American summit in Geneva give us a fresh opportunity to stabilize relations of the two nations,” he said. He also declared that Russia has no time for a confrontation with the U.S.: “We are permanent members of the UN Security Council, and we have no time to quarrel with the United States.”

In the same interview he said Russia was not involved in cyber attacks against U.S. companies. “Regarding what you have just mentioned about the recent attack on the United States and other Western countries’ infrastructure, I would like to say that Russia didn’t participate in such attacks; Russia didn’t stay behind the curtain of such attacks,” he said. On July 6, the embassy issued a statement denouncing Bloomberg’s publication “about the alleged breach by ‘Russian government hackers’ of the computer systems of the Republican National Committee. ... There is no evidence that the attack took place.” The embassy statement recalled that during the Geneva summit, “the topic of cybersecurity took one of the central places. An agreement was reached to resume expert dialogue on this important topic. We are confident that a professional discussion of all issues related to cyberspace, will allow specialists to jointly improve the security of the information infrastructure of our countries.”

Meanwhile, TASS reported July 7 that Kremlin spokesman Dmitry Peskov told journalists that “a mechanism for expert dialogue on cybersecurity issues would be launched soon, with the aim of discussing attacks, the overall level of cyber threats, and issues related to critical infrastructure.”

U.S. Military Doctrine Blames Russia and China for Making Nuclear War Possible

July 8 (EIRNS)—Last February, Adm. [Charles Richard](#), the commander of U.S. Strategic Command, placed an article in the U.S. Naval Institute *Proceedings* in which he claimed that nuclear war with Russia and/or China is increasingly possible. “The implications of today’s competition and the associated risk of great power crisis or direct armed conflict are profound;

they affect nearly every fundamental assumption we make about the use of armed force in the defense of the nation and its allies,” Richard wrote. Richard complained that for the past two decades the U.S. military has been focused on anti-terrorism operations, thus “ignoring the nuclear dimension,” while Russia and China have been aggressively modernizing and expanding their nuclear forces.

Richard was not merely expressing his own professional military opinion, however. It turns out that the view he expressed is embedded in U.S. military doctrine. On July 6, the Federation of American Scientists’ blog Secrecy News released the latest version of the Joint Staff’s Joint Publication (JP) 3-72, entitled “[Joint Nuclear Operations](#),” dated April 17, 2020, until now not publicly available.

“Despite concerted U.S. efforts to reduce the role of nuclear weapons in international affairs and to negotiate reductions in the number of nuclear weapons, since 2010, no potential adversary has reduced either the role of nuclear weapons in its national security strategy or the number of nuclear weapons it fields. Rather, they have moved decidedly in the opposite direction,” the Department of Defense document said. “As a result, there is an increased potential for regional conflicts involving nuclear-armed adversaries in several parts of the world and the potential for adversary nuclear escalation in crisis or conflict.”

The document includes material shifting the blame for the increased danger to Russia and China, without apparently any mention of the role of the U.S. geopolitical confrontation against both countries in increasing the risks of war, irrespective of nuclear weapons policies per se. “While the United States has continued to reduce the number and salience of nuclear weapons, others, including Russia and China, have moved in the opposite direction. They have added new types of nuclear capabilities to their arsenal, increased the salience of nuclear forces in their strategies and plans, and engaged in increasingly aggressive behavior,” it says. “Russia’s strategic nuclear modernization has increased, and will continue to

increase, its warhead delivery capability, which provides Russia with the ability to rapidly expand its deployed warhead numbers.”

“China,” it says, “continues to increase the number, capabilities, and protection of its nuclear forces.”

Russia Exercises Strategic Forces on Land and over Arctic and Black Seas

July 8 (EIRNS)—In Russia, the strategic nuclear and aviation forces are sending their own messages by exercising their strategic and conventional forces. Yars mobile ICBM units are on the move as part of the annual summer training exercises of the Strategic Missile Forces in the Sverdlovsk Region in the Urals and in the Altai Region in Siberia, Russia’s Defense Ministry reported on July 7, reported TASS. “As part of the tactical drills, Yars road-mobile missile systems of the Barnaul and Tagil formations of the Strategic Missile Force embarked on combat patrol routes,” the ministry said in a statement. In addition, Tu-95 and Tu-160 bombers took off from an airfield in the Saratov region and practiced firing cruise missiles at targets in the Arctic, the Defense Ministry reported this morning.

Exercises also continue over the Black Sea. Yesterday, a pair of Russian Tu-22M3 long-range supersonic bombers escorted by Su-30M2 fighters flew a mission over the Black Sea that lasted about five hours. TASS reports that the bombers performed their patrol flight as NATO’s Sea Breeze maneuvers were progressing in the Black Sea. At about the same time, Russian Su-30 fighter jets intercepted and escorted a U.S. Navy P-8 patrol aircraft over the same waters. U.S. and British reconnaissance aircraft fly missions over the Black Sea on a near daily basis, collecting signals intelligence and probing Russian responses to their presence.

The Belt and Road Development Project at the Center of the Afghanistan Discussion

July 8 (EIRNS)—There has been a flurry of diplomatic activity of regional forces, and also major media attention to China’s Belt and Road Initiative, since the U.S. withdrew its remaining military forces from Bagram Air Base in Afghanistan the morning of July 2.

Iran hosted a meeting July 7 with representatives of the Afghan government and the Taliban, and also India's Minister of External Affairs Subrahmanyam Jaishankar. Iranian Foreign Minister Mohammad Javad Zarif said, "Iran stands by the side of its Afghan brethren. Hosting this contextual negotiation among the high-ranking representatives of Afghanistan was a pride for us." Zarif and India's Jaishankar underlined the need to give a boost to intra-Afghan talks to pave the way for participation of all the Afghan sides in the political process of the country.

Inside Afghanistan, the Taliban launched an assault on Qala-i-Naw, the provincial capital of the northwestern province of Badghis, reportedly capturing the city's police headquarters. It is disputed whether they captured the entire city.

International media coverage of the future of Afghanistan has been obligated to discuss the role of China and its Belt and Road Initiative. The July 5 issue of the *Daily Mail* in Britain, for example, headlined its coverage "China Makes Its Move on Afghanistan: Beijing Prepares To Fill the Vacuum Left By Biden's Premature Military Exit from the Nation with \$62B Investment Plan for Its 'Belt And Road' Program," and a kicker proclaiming that China "wants to extend its 'Belt and Road' program to Afghanistan." The Chinese "program would see a direct land corridor between Afghanistan and China through northwest Pakistan constructed," adding that this would be "a central hub connecting the Middle East, Central Asia and Europe."

The body of the article contains a Reuters map of the China-Pakistan Economic Corridor (CPEC) and the caption labeled "a planned \$57 billion China-Pakistan economic corridor will link Gwadar, Pakistan, to China's far-western Xinjiang district." CPEC is one of the earliest of the Belt and Road's major infrastructure corridors, which this publication has covered since 2016.

Another article, by OpIndia.com, news website, is asks, "Is China Using the U.S. Exit from Afghanistan To Expand Its Belt and Road Initiative?" Like the British *Daily Mail*, OpIndia.com takes its line from a July 4 article

in the Daily Beast, warning “China Just Can’t Wait for the U.S To Get Out of the Way.” The article has the familiar lie about China’s “debt-trap diplomacy,” but reports that China is negotiating with Kabul to connect Afghan capital to Peshawar, Pakistan, on the “\$62 billion CPEC.” Such a connection would tie the landlocked Afghanistan northward to Kashgar in Xinjiang, China, or south to Pakistan’s Arabia Sea port of Gwadar.

The July 5 *Financial Times* carries the nervous headline, “China Watches Afghanistan Anxiously as the U.S. Withdraws: Beijing Is Ready To Cooperate with Taliban To Prevent Chaos across Its Border, Diplomats Say.” Beneath that is a photograph, bearing the caption, “China wants stability in Afghanistan to protect the Belt and Road Initiative, its flagship infrastructure building project in Pakistan and Central Asia.”

COVID-19 AND FAMINE

World Passes ‘Tragic Milestone’ of 4 Million COVID Deaths

July 8 (EIRNS)—As of July 6, over 4 million people have died worldwide from the COVID pandemic, and there have been 185 million confirmed cases, according to the World Health Organization (WHO). Top WHO officials continue polemicizing against the idea that the pandemic is over or at least under control, and that it’s therefore all right to end the lockdowns.

“The world is at a perilous point in this pandemic,” WHO Director General Dr. Tedros Adhanom Ghebreyesus stated yesterday. “We have just passed the tragic milestone of 4 million recorded COVID-19 deaths, which likely underestimates the overall toll,” Tedros told a press conference at WHO headquarters. He was then compelled to repeat his argument, “Vaccine nationalism, where a handful of nations have taken the lion’s share, is morally indefensible and an ineffective public health strategy against a respiratory virus that’s mutating quickly and becoming increasingly effective at moving from human to human.”

“Compounded by fast moving variants and shocking inequity in vaccination, far too many countries in every region of the world are seeing

sharp spikes in cases and hospitalization,” he said, and further declaring that “this is leading to an acute shortage of oxygen and treatments, and driving a wave of deaths in parts of Africa, Asia, and Latin America.” He also stressed that “at this stage in the pandemic, the fact that millions of health and care workers have still not been vaccinated is abhorrent.”

Mike Ryan, Executive Director of the WHO Health Emergencies Program, argued: “The idea that everyone is protected and it’s ‘Kumbaya’ and everything is back to normal I think right now is a very dangerous assumption anywhere in the world.” Far too many countries are seeing spikes in cases and hospitalizations that are leading to a shortage of oxygen and driving a “wave of death” in parts of Africa, Asia, and Latin America, he said. Ryan stated that some people’s idea of letting individuals become infected with COVID-19 earlier, rather than run the risk later, was “epidemiological stupidity.”

At a briefing earlier this week, Ryan cautioned against a “premature rush” return to normality. “For a lot of the world this thing is only getting started. I’m very pleased for countries that are getting this under control. But please, spare a thought for those living without vaccines.... In all of the countries of the Americas, we still have nearly 1 million cases a week. It isn’t over. The same in Europe. In the European region, we have half a million cases a week. It’s not like this thing has gone away.”

Fauci Reports, Most June U.S. COVID Deaths Were among Unvaccinated People

July 8 (EIRNS)—The ideological insanity of people who either refuse to get vaccinated against COVID-19, or who preach to others not to be inoculated, is producing a foreseeable result: Death from SARS-CoV-2.

On July 4, Dr. Anthony Fauci, director of the NIH’s U.S. National Institute of Allergy and Infectious Diseases, appeared on the NBC News’ Sunday broadcast “Meet the Press.” Host Chuck Todd asked Dr. Fauci, “It’s disconcerting to realize that we have had nearly 10,000 people die of COVID in this most recent month that we completed in June. How

preventable were each one of those deaths? And how many of them were unvaccinated?”

Fauci responded, “Well, if you look at the number of deaths [in June], about 99.2% of them are unvaccinated; about 0.8% are vaccinated. No vaccine is perfect. But when you talk about the avoidability of hospitalization and death, Chuck, it’s really sad and tragic that most all of these are avoidable and preventable.... The overwhelming proportion of people who get into trouble are the unvaccinated. Which is the reason why we say this is really entirely avoidable and preventable.”

Fauci continued: “Over the decades that I’ve been doing this, you’re frustrated because you have diseases where you don’t have an appropriate countermeasure, be it prevention or a treatment. And then, when you have a situation like you have today, where you have a formidable enemy in the virus that has tragically really disrupted our planet now for about a year and a half, destructive—destroyed economies and yet we do have a countermeasure that’s highly, highly effective. And that’s the reason why it’s all the more sad.... And whatever the reasons ... some of them are ideologic, some of them are just fundamentally anti-vax, or anti-science, or what have you. But, you know, we just need to put that aside now. We’re dealing with a historic situation with this pandemic. And we do have the tools to counter it.”

He also stressed, “There are people throughout the world who would do anything to get vaccines.”

On July 1, at a White House briefing by the COVID-19 Response Team, Dr. Rochelle Walensky, director of the Centers for Disease Control and Prevention (CDC), said, “Preliminary data from a collection of states over the last six months suggest 99.5% of deaths from COVID-19 in these states have occurred in unvaccinated people.” Even though this covered a period at the beginning of the year when vaccines were not generally available, the numbers remain impressive.

COLLAPSING WESTERN FINANCIAL SYSTEM

U.S. Housing Bubble Driven to Dangerously High Level

July 8 (EIRNS)—The U.S. housing bubble, inclusive of the once-reproached mortgage-backed securities (MBS) market, is once again being expanded. Along with a voluminous pouring in of large scales of liquidity by the U.S. Federal Reserve and the U.S. government budget, via three “stimulus acts,” home prices in the cities where America’s real-estate market is hottest have surged since the nadir year 2010. During the past 12 months, they have grown at double-digit rates.

The total volume of household mortgage debt rose to \$11.04 trillion by the end of the first quarter of 2021, according to the Federal Reserve’s “Financial Accounts of the United States” table “[Balance Sheet of Households and Nonprofit Organizations, 1952-2021](#).” As well, the volume of mortgage-backed securities is now \$10.91 trillion. These are derivatives: bonds issued against home mortgages, in which the mortgage bonds are sliced and diced into different tranches and sold to investors. The total outstanding value of the homeowner mortgages and the MBS, which is separate but piled upon the mortgages, is a record \$21.95 trillion. The ultimate income of the MBS must come from the interest and principal mortgage payments that homeowners are able to pay, which becomes the “income stream” for the MBS.

Should homeowners not be able to pay on their mortgages, the mortgages and the MBS simultaneously collapse.

The combination of the \$5 trillion from the three U.S. “stimulus acts” over the last 16 months, and the \$4.32 trillion in quantitative easing by the U.S. Fed in the same period, the housing bubble was thrust upward. The prices of single-family homes have been growing at double-digit rates in the hottest U.S. housing markets over the past 12 months (comparing April 2021 to April 2020): In Los Angeles, single-family home prices have leapt by 14.7%; San Diego by 21.6%; Seattle by 20.2%; San Francisco by 14.2%; Miami by 14.2%; New York City by 13.5%; Boston by 16.2%; Phoenix by 22.3%. These are just examples.

Has the Americans' standard of living, as measured by Lyndon LaRouche's figure of potential relative population density, which must pay for the mortgages, risen by double digits? No. In real terms, it has fallen.

SCIENCE AND INFRASTRUCTURE

China Upgrades High-Speed Freight Transport at 350 Km/Hour

July 8 (EIRNS)—For the past six months, China has been testing and improving its high-speed rail capability, allowing freight trains to carry cargo at speeds of 350 kph (210 mph).

China established its first “freight express” corridor on Nov. 1, 2020, between the production powerhouse Wuhan in Hubei province, to the capital of Beijing, a 1,153 km route. At 5:30 a.m., the high-speed train Fuxing departed Wuhan's Hankou train station in central China. Eight train cars carrying a total of 40 tons of e-commerce express shipments set out for Beijing, traveling at up to 300 kph. Also at 5:30 a.m., another train set out from Beijing's west train station, headed for Wuhan.

The trains consisted of reconfigured standard Chinese high-speed passenger trains in which the seats had been removed, and into which two rows of blue freight boxes were stacked.

Less than two months later, on Dec. 23, 2020, a new generation of high-speed cargo trains, which can carry up to 110 metric tons of goods, rolled off the production line in Tangshan, in Hebei province. The new trains, developed by China Railway Rolling Stock Corporation (CRRC), the world's largest manufacturer of high-speed train sets, can travel a top speed of 350 kph. The train can operate in temperatures from -25°C (-13°F) to 40°C (104°F), and its navigation is assisted by BeiDou, the nation's satellite navigation system. The width of each train car's loading doors is 2.9 meters—the world's widest.

The high-speed rail freight trains carry e-commerce, mostly small- to medium-sized goods that are ordered over the internet. But given the level of China's capital invested, and its commitment to this project, one may

expect that, over time, China will develop high-speed rail train sets that are adapted to carrying medium-weight, and then heavier cargo.

Were the United States to upgrade its rail infrastructure as it so urgently needs, it would be invaluable to transport people at speeds ranging from 350 kph up to 600 kph by maglev. Of equal importance would be the capability to transport cargo at 350 kph, revolutionizing the physical economy.

Chinese Are Leading Creators of New Rail Inventions

July 8 (EIRNS)—With its far-flung high-speed and other rail networks, it is not surprising that China has surpassed Europe in the domain of railway inventions, revealed the European Union Agency for Railway in a new report. Most of China's patents are only locally filed, while the European Union takes the lead in multinational filings.

Over the last 10 years Chinese railway patents have increased and now account for the most filings; Germany comes in second. As could be expected, the number of Chinese patents dramatically increased after 2013, just when China launched its massive high-speed railway projects.

While Europe leads in “high-value” inventions, China is second in this class.

As for companies filing such patents, China Railway Rolling Stock Corporation ranks first in inventions overall, but fourth in high-value inventions. In high-value inventions, Siemens tops the list, followed by Alstom and Bombardier. There is no strong growth pattern visible for American inventors.