### **1-CP**

### **CP: The TRIPs Council should vote to reduce IP protections for essential medicines**

### **amending TRIPs to mandate the plan.**

#### **The United States should:**

#### --Publicly rescind support for the WTO waiver

#### -- Veto this motion and refuse to comply

#### **The remaining member nations should initiate proceedings against the US through the WTO Dispute Settlement Body which ought to find against the US. The US ought to comply with this ruling.**

#### **The counterplan has the US oppose the plan but get overruled by the other nations. After the WTO DSB finds against them, they will comply---that solves the case but avoids politics because the US initially opposed the waiver and was forced into it.**

#### **Counterplan competes ---**

#### **1] The plan has the “member nations” act individually, while the counterplan is the WTO through the Council and eventually the DSB. That’s distinct, since member nations are not international bodies.**

**Collins Dictionary n.d.** “member nations” RJP, DebateDrills https://www.collinsdictionary.com/us/dictionary/english/member-nations

**member nations**

The [United](https://www.collinsdictionary.com/us/dictionary/english/unite) [Nations](https://www.collinsdictionary.com/us/dictionary/english/nation) is an [**international**](https://www.collinsdictionary.com/us/dictionary/english/international)**organization** [comprised](https://www.collinsdictionary.com/us/dictionary/english/comprise) of about 180 member nations.

Sociology (1995)

At the Nato [summit](https://www.collinsdictionary.com/us/dictionary/english/summit), he called on all the member nations to [pledge](https://www.collinsdictionary.com/us/dictionary/english/pledge) to [spend](https://www.collinsdictionary.com/us/dictionary/english/spend) at least 2% of their [national](https://www.collinsdictionary.com/us/dictionary/english/national) [income](https://www.collinsdictionary.com/us/dictionary/english/income) on [defence](https://www.collinsdictionary.com/us/dictionary/english/defence).

Times, Sunday Times (2015)

The [beneficiaries](https://www.collinsdictionary.com/us/dictionary/english/beneficiary) will not be [limited](https://www.collinsdictionary.com/us/dictionary/english/limit) to EU member nations, but [worldwide](https://www.collinsdictionary.com/us/dictionary/english/worldwide).

Times, Sunday Times (2012)

**Definition of 'nation'**

nation

(neɪʃən)[Explore 'nation' in the dictionary](https://www.collinsdictionary.com/us/dictionary/english/nation)

COUNTABLE NOUN

A nation is an **individual country** considered together with its social and political structures.

#### **2] Normal means---it’s countries requesting a waiver, which the counterplan does not do.**

James **Bacchus 20**. Member of the [Herbert A. Stiefel Center for Trade Policy Studies](https://www.cato.org/herbert-stiefel-center-trade-policy-studies), the Distinguished University Professor of Global Affairs and director of the Center for Global Economic and Environmental Opportunity at the University of Central Florida. He was a founding judge and was twice the chairman—the chief judge—of the highest court of world trade, the Appellate Body of the World Trade Organization in Geneva, Switzerland. “An Unnecessary Proposal: A WTO Waiver of Intellectual Property Rights for COVID-19 Vaccines,” CATO, December 16, 2020, <https://www.cato.org/free-trade-bulletin/unnecessary-proposal-wto-waiver-intellectual-property-rights-covid-19-vaccines>, RJP, DebateDrills

In a sign of their increasing frustration with global efforts to ensure that all people everywhere will have access to COVID-19 vaccines, several developing countries have asked **other members** of the World Trade Organization (WTO) to **join them in a sweeping waiver** of the intellectual property (IP) rights relating to those vaccines. Their waiver request raises anew the recurring debate within the WTO over the right balance between the protection of IP rights and access in poorer countries to urgently needed medicines. But the last thing the WTO needs is another debate over perceived trade obstacles to public health.

#### **3] Counterplan is neither certain nor immediate---the US reduction hinges on the outcome of DSB. That makes the counterplan competitive.**

#### **“Resolved” is definite and immediate**

**Collins 3** Collins English Dictionary – Complete and Unabridged © HarperCollins Publishers 1991, 1994, 1998, 2000, 2003

http://www.thefreedictionary.com/resolved

resolved [rɪˈzɒlvd] adj

fixed in purpose or intention; determined

#### **Ought and should are used interchangeably.**

Anastasia **Koltai 18**. CEO of MyEnglishTeacher, “Difference Between Ought to and Should,” MyEnglishTeacher, September 25, 2018, <https://www.myenglishteacher.eu/blog/difference-between-ought-to-and-should/>, RJP, DebateDrills.

In most cases, **SHOULD and OUGHT TO are used interchangeably today**. Both SHOULD and OUGHT TO are used to express advice, obligation, or duty.

#### **“Should” is immediate**

**Summers 94** (Justice – Oklahoma Supreme Court, “Kelsey v. Dollarsaver Food Warehouse of Durant”, 1994 OK 123, 11-8, http://www.oscn.net/applications/oscn/DeliverDocument.asp?CiteID=20287#marker3fn13)

¶4 The legal question to be resolved by the court is whether the word "should"[13](http://www.oscn.net/applications/oscn/DeliverDocument.asp?CiteID=20287#marker3fn13) in the May 18 order connotes futurity or may be deemed a ruling *in praesenti*.[14](http://www.oscn.net/applications/oscn/DeliverDocument.asp?CiteID=20287#marker3fn14) The answer to this query is not to be divined from rules of grammar;[15](http://www.oscn.net/applications/oscn/DeliverDocument.asp?CiteID=20287#marker3fn15) it must be governed by the age-old practice culture of legal professionals and its immemorial language usage. To determine if the omission (from the critical May 18 entry) of the turgid phrase, "and the same hereby is", (1) makes it an in futuro ruling - i.e., an expression of what the judge will or would do at a later stage - or (2) constitutes an in in praesenti resolution of a disputed law issue, the trial judge's intent must be garnered from the four corners of the entire record.[16](http://www.oscn.net/applications/oscn/DeliverDocument.asp?CiteID=20287#marker3fn16)

[CONTINUES – TO FOOTNOTE]

[13](http://www.oscn.net/applications/oscn/DeliverDocument.asp?CiteID=20287#marker2fn13) "*Should*" not only is used as a "present indicative" synonymous with *ought* but also is the past tense of "shall" with various shades of meaning not always easy to analyze. See 57 C.J. Shall § 9, Judgments § 121 (1932). O. JESPERSEN, GROWTH AND STRUCTURE OF THE ENGLISH LANGUAGE (1984); St. Louis & S.F.R. Co. v. Brown, 45 Okl. 143, 144 P. 1075, 1080-81 (1914). For a more detailed explanation, see the Partridge quotation infra note 15. Certain contexts mandate a construction of the term "should" as **more** than merely indicating preference or desirability. Brown, supra at 1080-81 (jury instructions stating that jurors "should" reduce the amount of damages in proportion to the amount of contributory negligence of the plaintiff was held to imply an *obligation* *and to be more than advisory*); Carrigan v. California Horse Racing Board, 60 Wash. App. 79, [802 P.2d 813](http://www.oscn.net/applications/oscn/deliverdocument.asp?box1=802&box2=P.2D&box3=813) (1990) (one of the Rules of Appellate Procedure requiring that a party "should devote a section of the brief to the request for the fee or expenses" was interpreted to mean that a party is under an *obligation* to include the requested segment); State v. Rack, 318 S.W.2d 211, 215 (Mo. 1958) ("should" would mean the same as "shall" or "must" when used in an instruction to the jury which tells the triers they "should disregard false testimony"). [14](http://www.oscn.net/applications/oscn/DeliverDocument.asp?CiteID=20287#marker2fn14) *In praesenti*means literally "at the present time." BLACK'S LAW DICTIONARY 792 (6th Ed. 1990). In legal parlance the phrase denotes that which in law is *presently* or ***immediately effective***, as opposed to something that *will* or *would* become effective ***in the future*** *[in futurol*]. See Van Wyck v. Knevals, [106 U.S. 360](http://www.oscn.net/applications/oscn/deliverdocument.asp?box1=106&box2=U.S.&box3=360), 365, 1 S.Ct. 336, 337, 27 L.Ed. 201 (1882).

#### **The plan would require US companies to disclose information and waive IP protections---the counterplan has the US resist to avoid political backlash, but that violates WTO disclosure requirements.**

Jorge **Contreras 21**. Presidential Scholar and Professor of Law at the University of Utah with an adjunct appointment in the Department of Human Genetics, JD @ Harvard, “US Support for a WTO Waiver of COVID-19 Intellectual Property – What Does it Mean?” Bill of Health Harvard Law, May 7, 2021, <https://blog.petrieflom.law.harvard.edu/2021/05/07/wto-waiver-intellectual-property-covid/>, RJP, DebateDrills

The proposed WTO IP waiver is significant because it **includes trade secrets**. Thus, under the waiver’s original language, a country that wished to suspend trade secret protection for COVID-19 technology could do so without violating the TRIPS Agreement. Such a country could also, presumably, mandate that **foreign companies operating in the country disclose** their proprietary manufacturing, storage, and testing information to local producers under a compulsory license.

The details of this disclosure requirement, and any compensation payable to the originator of the information, would need to be worked out in whatever **waiver is eventually adopted by the WTO,** but the prospect for a **mandatory trade secret transfer** — something that would be unprecedented in the international arena — is worth watching carefully. [As reported by Intellectual Asset Management on May 4, 2021](https://www.iam-media.com/coronavirus/brazilian-senate-passes-compulsory-covid-19-know-how-licensing-bill), the Brazilian Congress is currently considering legislation that would nullify the patents of any company that fails to disclose know-how and data related to a compulsory COVID-19 patent license. It will also be interesting to see **whether the United States stands behind such a requirement**, which goes far beyond the compulsory licensing of patents.

Will the U.S. require companies to share their know-how with others?

As noted above, under the waiver, a country could impose a trade secret disclosure requirement on companies operating within its jurisdiction. But that requirement would have little effect on U.S. vaccine producers who do not, themselves, have material operations overseas. Only the U.S. government could require a U.S.-based company to disclose its trade secrets. **Would the U.S. impose such a requirement?** This is not known, but I think it’s unlikely. It is one thing for the U.S. to agree not to challenge other countries’ compulsory licensing regimes as violations of TRIPS, but a very different thing for the U.S. to issue a compulsory licensing order of its own, particularly in the area of trade secrets, where it would be **met with significant internal opposition.**

#### **That gets litigated through the DSB, which we fiat finding against the United States. The DSB is underutilized currently but using it for major dispute settlement shores it up---that’s key to combat Chinese IP violations.**

James **Bacchus 18**. Member of the [Herbert A. Stiefel Center for Trade Policy Studies](https://www.cato.org/herbert-stiefel-center-trade-policy-studies), the Distinguished University Professor of Global Affairs and director of the Center for Global Economic and Environmental Opportunity at the University of Central Florida. He was a founding judge and was twice the chairman—the chief judge—of the highest court of world trade, the Appellate Body of the World Trade Organization in Geneva, Switzerland. “How the World Trade Organization Can Curb China’s Intellectual Property Transgressions,” CATO, March 22, 2018, <https://www.cato.org/blog/how-world-trade-organization-can-curb-chinas-intellectual-property-transgressions>, RJP, DebateDrills.

Quite rightly, President Donald Trump and his Administration are targeting the transgressions of China against US intellectual property rights in their unfolding trade strategy. But why not use the WTO rules that offer a **real remedy** for the United States without resorting to illegal unilateral action outside the WTO?  
  
Seventeen years after China joined the WTO, China still falls considerably short of fulfilling its WTO obligations to protect intellectual property. About 70 percent of the software in use in China, valued at nearly $8.7 billion, is pirated. The annual cost to the US economy worldwide from pirated software, counterfeit goods, and the theft of trade secrets could be as high as $600 billion, with China at the top of the IP infringement list. China is the source of 87 percent of the counterfeit goods seized upon entry into the United States.  
  
One possible response by the United States is the one the Trump Administration seems to be taking: slapping billions of dollars of tariffs on imports of more than 100 Chinese products through unilateral trade action. Given its protectionist predilections, taking this approach is surely tempting to the Trump Administration. Doing so will, however, harm American workers, businesses, and consumers, and contribute to further turmoil in the global economy.

The results will likely include retaliation by China against the goods and services of American companies and workers; lawful economic sanctions imposed by China on American exports to China after the US lost to China in WTO cases; the hidden tax of higher prices for American consumers; less competitiveness in the US market and in other markets for American companies that depend on Chinese imports as intermediate goods in production; and doubtless still more American and global economic landmines from the downward spiral of tit-for-tat in international trade confrontations.  
These tariffs are not only self-defeating and counter-productive; they are also illegal under international law. Where an international dispute falls within the scope of coverage of the WTO treaty, taking unilateral action without first going to WTO dispute settlement for a legal ruling on whether there is a WTO violation is, in and of itself, a violation of the treaty. The WTO treaty establishes **mandatory jurisdiction** for the WTO dispute settlement system for all treaty-related disputes between and among WTO Members. The WTO Appellate Body has explained, “Article 23.1 of the (WTO Dispute Settlement Understanding) imposes a general obligation to redress a violation of obligations or other nullification or impairment of benefits under the covered agreements only by recourse to the rules and procedures of the DSU, and not through unilateral action.” Thus, the United States is not permitted by the international rules to which it has long since agreed to be the judge and the jury in its own case. Imposing tariffs on Chinese products without first obtaining a WTO ruling that Chinese actions are inconsistent with China’s WTO obligations is a clear violation by the United States of its WTO obligations to China – as WTO jurists will doubtless rule when China responds to the tariffs by challenging the tariffs in the WTO. Such a legal loss by the United States, with all its unforeseeable economic and geopolitical consequences, can be avoided while still confronting Chinese IP violations effectively. Before resorting to unilateral action outside the WTO and in violation of international law, the United States should take a closer look at the substantial rights it enjoys under the WTO treaty for protecting US intellectual property against abuse. Potential remedies in the WTO exist and should not be ignored. These remedies can be enforced through the pressure of WTO economic sanctions. WTO rules do not yet cover all the irritants that must be addressed in US-China trade relations. Even so, instead of just concluding that there are no adequate remedies under WTO rules to help stop IP infringement, the United States should first try to use the remedies in rules we have already negotiated that bind China along with all other WTO Members. A number of these rules have not yet been tested against China or any other country – which is not proof they will not work. Generally, when tried for the first time, WTO rules have been found to work, and, generally, when China has been found to be acting inconsistently with its WTO obligations, it has complied with WTO rulings. The actual extent of Chinese compliance with WTO judgments can be questioned; in some instances it is seen by some as only “paper compliance.” But whether any one WTO rule can in fact be enforced cannot be known if no WTO Member bothers to try to enforce it. The WTO rules in the WTO Agreement on the Trade-related Aspects of Intellectual Property Rights – the so-called TRIPS Agreement – are **unique** among WTO rules because they impose affirmative obligations. Yet, this affirmative aspect of WTO intellectual property rules has been largely unexplored in WTO dispute settlement. In particular, **WTO Members have so far refrained from challenging** other WTO Members for failing to enforce intellectual property rights. On enforcement, Article 41.1 of the TRIPS Agreement imposes an affirmative obligation on all WTO Members: “Members shall ensure that enforcement procedures… are available under their law so as to permit effective action against any act of infringement of intellectual property rights covered by this Agreement, including expeditious remedies to prevent infringements and remedies which constitute a deterrent to further infringements. These procedures shall be applied in such a manner as to avoid the creation of barriers to legitimate trade and to provide for safeguards against their abuse.” Note that this “shall” be done by all WTO Members; it is **mandatory** for compliance with their WTO obligations. And yet what does this obligation mean by requiring that effective actions against infringements must be “available”? Is this obligation fulfilled by having sound laws on the books, as is generally the case with China? Or must those laws also be enforced effectively in practice, which is often not the case with China? The Appellate Body has said that “making something *available* means making it ‘obtainable,’ putting it ‘within one’s reach’ and ‘at one’s disposal’ in a way that has sufficient form or efficacy.” Thus, simply having a law on the books is not enough. That law must have real force in the real world of commerce. This ruling by the Appellate Body related to the use of the word “available” in Article 42 of the TRIPS Agreement and to a legal claim seeking fair and equitable access to civil judicial procedures. Yet the same reasoning applies equally to the enforcement of substantive rights under Article 41. In the past, the United States has challenged certain parts of the overall Chinese legal system for intellectual property protection – and successfully – in WTO dispute settlement. Despite its overall concerns about enforcement by China of US intellectual property rights, **the United States has not, however, challenged the Chinese system as a whole in the WTO**. Instead of indulging in the illegality of unilateral tariffs outside the legal framework of the WTO, the Trump Administration should initiate a comprehensive legal challenge in the WTO, not merely, as before, to the bits and pieces of particular Chinese IP enforcement, but rather *to the entirety of the Chinese IP enforcement system*. To be sure, a systemic challenge by the United States to the application of all China’s inadequate measures relating to intellectual property protection would put the WTO dispute settlement system to a test. It would, what’s more, put both China and the United States to the test of their commitment to the WTO and, especially, to a rules-based world trading system. As Trump’s trade lawyers will hasten to say, a systemic IP case against China in the WTO would also involve a perhaps unprecedented amount of fact-gathering. It would necessitate an outpouring of voluminous legal pleadings. It would, furthermore, force the WTO Members and the WTO jurists to face some fundamental questions about the rules-based trading system. Yet it could also provide the basis for fashioning a legal remedy that would in the end be mutually acceptable to both countries, and could therefore help prevent commercial conflict and **reduce a significant obstacle to mutually beneficial US-China relations.**

#### **China is engaging in rampant IP theft---shoring up WTO dispute resolution will determine the trajectory of Chinese theft.**

James **Bacchus et al 18**. Member of the [Herbert A. Stiefel Center for Trade Policy Studies](https://www.cato.org/herbert-stiefel-center-trade-policy-studies), the Distinguished University Professor of Global Affairs and director of the Center for Global Economic and Environmental Opportunity at the University of Central Florida. He was a founding judge and was twice the chairman—the chief judge—of the highest court of world trade, the Appellate Body of the World Trade Organization in Geneva, Switzerland. “Disciplining China’s Trade Practices at the WTO: How WTO Complaints Can Help Make China More Market‐​Oriented,” CATO, November 16, 2018, <https://www.cato.org/policy-analysis/disciplining-chinas-trade-practices-wto-how-wto-complaints-can-help-make-china-more>, RJP, DebateDrills

Unquestionably, pervasive intellectual property violations are a **threat to millions of U.S. jobs** in critical innovative U.S. industries. The U.S. International Trade Administration has estimated that U.S. IP-intensive industries doing business in China have lost about $48 billion in sales, royalties, and license fees to various forms of encroachment on their intellectual property rights. These U.S. firms have spent **$4.8 billion to address possible Chinese IP infringements**. An improvement in intellectual property protection and enforcement in China to levels comparable to those in the United States would likely translate into 923,000 new jobs in the United States.[15](https://www.cato.org/policy-analysis/disciplining-chinas-trade-practices-wto-how-wto-complaints-can-help-make-china-more#endnote-015) And these most recent numbers are from 2011—before the **recent intensification of China’s mercantilist industrial strategy.**

After 17 years in the WTO, China still **falls far short of fulfilling its WTO obligations** to protect copyrights, trademarks, patents, and other intellectual property rights. Millions of Chinese live on the illegal gains of widespread counterfeiting of U.S. and other foreign products. The Chinese, for example, are “addicted to bootleg software.”[16](https://www.cato.org/policy-analysis/disciplining-chinas-trade-practices-wto-how-wto-complaints-can-help-make-china-more#endnote-016) According to the Business Software Alliance, about 70 percent of the software used in China, valued at nearly $8.7 billion, is pirated.[17](https://www.cato.org/policy-analysis/disciplining-chinas-trade-practices-wto-how-wto-complaints-can-help-make-china-more#endnote-017) The annual cost to the U.S. economy worldwide from pirated software, counterfeit goods, and the theft of trade secrets “could be as high as $600 billion.”[18](https://www.cato.org/policy-analysis/disciplining-chinas-trade-practices-wto-how-wto-complaints-can-help-make-china-more#endnote-018) China “**remains the world’s principal IP infringer**,” accounting, for example, for 87 percent of the counterfeit goods seized upon entry into the United States.[19](https://www.cato.org/policy-analysis/disciplining-chinas-trade-practices-wto-how-wto-complaints-can-help-make-china-more#endnote-019)

Before taking unilateral action outside the WTO in response to widespread Chinese IP infringements, the United States should take a closer look at the substantial rights it enjoys under the WTO’s TRIPS Agreement for protecting U.S. intellectual property against theft and other abuses, in particular those obligations related to the domestic enforcement of these protections. Potential remedies in the WTO exist and should not be ignored, and these remedies can be enforced through the pressure of WTO economic sanctions.

A more specific obligation related to intellectual property is that American companies have, in effect, been **forced to turn over their technology to Chinese partners**—in some cases by revealing their trade secrets—in exchange for being allowed to do business in China and have access to the booming Chinese market. Here, Article 39 of the TRIPS Agreement, which establishes a WTO obligation for the “Protection of Undisclosed Information,”[20](https://www.cato.org/policy-analysis/disciplining-chinas-trade-practices-wto-how-wto-complaints-can-help-make-china-more#endnote-020) can help. The United States was among the leaders in advocating the inclusion of Article 39 in the TRIPS Agreement, but the United States has, to date, not initiated an action in WTO dispute settlement claiming a Chinese violation of this WTO obligation.

Beyond intellectual property, there have been long-standing though somewhat vague allegations from U.S. industry groups that China forces foreign companies who wish to operate in China to make investments through joint ventures, and to then **transfer their technology to their Chinese partners.** As they describe it, transferring technology to Chinese companies is often a condition for the ability to make an investment there. Specific details of these arrangements are difficult to uncover. The companies involved may be reluctant to complain because they fear having their investment permission revoked by the Chinese government. All the same, in response to the USTR’s request for comments under Section 301 regarding China’s trade practices, a wide range of organizations have identified forced technology transfer as a concern. There is a specific provision of China’s WTO Accession Protocol that addresses the issue of forced technology transfer. The United States should invoke it as the basis of a WTO complaint.

Finally, one of the most frequently raised concerns about Chinese trade practices is the Chinese **government’s provision of subsidies** to both state-owned enterprises and private companies. These subsidies are offered through a variety of programs, including the Made in China 2025 initiative and its specific implementing measures. Fortunately, the WTO has extensive and detailed rules on subsidies that can be used to challenge China’s behavior. WTO Members have brought several complaints against Chinese subsidies already, including an ongoing case related to agriculture subsidies (see Appendix 1), and there are additional complaints still to be brought.

#### **Stopping tech stealing is key to avoid war**

Timothy R. **Heath 18**. RAND Senior Defense and International Analyst, “Avoiding “Avoiding U.S.-China Competition Is Futile: Why the Best Option Is to Manage Strategic Rivalry”; Asia Policy; Vol 13 No 2; April 2018, RJP, DebateDrills

This article argues that **the structural drivers of U.S.-China competition are too deep to resolve through cooperative engagement** and that **policymakers must instead accept the reality of strategic rivalry and aim to manage it at a lower level of intensity**. main argument **Rising tensions between China and the U.S. have spurred fears that the two countries could end up in conflict or recreate the Cold War**. To avoid these outcomes, analysts have proposed ways to defuse competition and promote cooperation. However, because these arguments do not address the structural drivers underpinning U.S.-China competition, such proposals are unlikely to end the rivalry. **Conflict is not inevitable, however, and aggressive strategies that unnecessarily aggravate the sources of rivalry are likely to prove dangerously counterproductive. The best option at this point is, paradoxically, for the U.S. to accept the reality of the growing strategic rivalry and manage it at a lower level of intensity.** policy implications **• Maintaining a technological edge is critical for the U.S. to successfully manage the rivalry with China. Policies should be pursued to ensure that the U.S. continues to attract and nurture the best science and technology talent and retains its status as the global leader in technology**. • To compete with China’s narrative about leading regional integration, the U.S. should both put forth a compelling vision for the region that encompasses widely held economic, security, and political values and continue to bolster its diplomatic and military positions in Asia. • To maintain the U.S.-China rivalry at a stable level, policymakers in both countries should prioritize measures that discourage the mobilization of popular sentiment against the other country and encourage cultural exchanges. • U.S.-China competition will likely become increasingly entwined with rivalries between China and U.S. allies and partners such as Japan and India. U.S. policymakers will need to take into account the independent dynamics of those separate rivalries when managing relations with China. **The United States and China find themselves increasingly enmeshed in a strategic rivalry**, the basic nature of which remains poorly understood in the United States. **To be sure, disagreements between the two countries have gained widespread attention. Disputes involving Chinese confrontations with U.S. allies and partners such as Japan, the Philippines, and Taiwan have frequently grabbed the headlines**. At other times, **disagreements over Chinese trade practices and U.S. military activities in the South China Sea have occasioned discord.** **All these sources of conflict are genuine, but they mask the main drivers of rivalry, which are twofold**. **First, the United States and China are locked in a contest for primacy—most clearly in Asia and probably globally as well. The United States has been the dominant power, and China seeks to eventually supplant it. By definition, two different states cannot simultaneously share primacy at either the regional or global level.** **Second, economic, demographic, and military trajectories suggest that China has the potential to contend in a significant way for leadership at the global systemic level.** **At this level, the most decisive competition will be for technological leadership**. **Should China supplant the United States as the world’s premier country in terms of technology, its claim to regional and global supremacy will be difficult to deny**. **And once it has gained that supremacy, China will be well positioned to restructure institutional arrangements to privilege itself and disadvantage the United States.** **Although this competition is occurring simultaneously at both levels, observers have focused primarily on the struggle for primacy at the regional level and overlooked or downplayed the competition at the global systemic level**.1 To counter China’s pursuit of regional primacy, the United States has bolstered its alliances in Asia (albeit inconsistently), expanded diplomatic outreach to China and rising powers in Southeast Asia, and revised its military posture—efforts captured by President Barack Obama’s “rebalance to Asia.” President **Donald Trump may have abandoned the rebalance, but many of the related initiatives remain more or less in place**.2 **China’s challenge at the global systemic level, especially in the field of technology, has received less attention**. **Confidence in the proven U.S. ability to produce new technologies and facile assumptions about the difficulties China will face in promoting innovation in new industries have led many to dismiss the challenge posed by China.** **But the contest for technological leadership is actually even more consequential than that for regional primacy.** **Should China succeed in surpassing the United States as the world’s technological leader, U.S. diplomacy and military power will not suffice to hold the line either in Asia or around the globe.** Under those conditions, countries throughout the world, including U.S. allies in Asia, will be forced to come to terms with the new leading economy. **Military power projection could be far less relevant as China moves to consolidate its leading status at both the regional and global levels in such a scenario**. Accordingly, **although the United States** cannot abandon its efforts to bolster its diplomatic and military position in Asia, the country **must step up its efforts to strengthen its faltering lead in new technology development**. **While China clearly grasps the stakes, it is not clear that the United States does.** For example, China’s government has promoted R&D into quantum computing. The investment appears to be paying off, as the country has leaped ahead of the United States in developing quantum communications.3 Similarly, the U.S. Congress has proposed to dispense with subsidies for the purchase of electric vehicles, even as China pushes ahead in its plan to become the lead producer of this technology.4 And while the U.S. government seeks to restrict immigration and discourage foreign students from attending U.S. universities (and staying after they receive their advanced training), China has revised its policies to welcome foreigners, prioritizing those with science and technology expertise. Moreover, Chinese investment in basic R&D is rapidly catching up to that of the United States.5 Studies have also noted a shrinking U.S. lead in science and technology as such investment is beginning to bear fruit.6 Similarly, **the United States has lost its once-undisputed lead in the per capita number of engineers and scientists**.7 Understanding the nature of the U.S.-China rivalry at the regional and global systemic levels, as well as how these two levels interact with one another, is essential if the United States is to successfully manage the challenge posed by China in a manner that avoids war. This study aims to contribute to that understanding. The article is organized into the following sections: u pp. 95–102 provide an overview of the growing rivalry between China and the United States, including a discussion of the meaning and role of strategic rivalry in interstate conflict and a comparison with the U.S.-China rivalry during the Cold War. u pp. 102–4 review the dynamics of the rivalry at the regional systemic level. u pp. 104–10 analyze the dynamics of the rivalry at the global systemic level. u pp. 110–15 examine why proposals to avoid rivalry through cooperation or aggressive competition are unlikely to succeed. u pp. 115–19 discuss the idea of strategic rivalry management and offer recommendations on ways to sustain the rivalry at a lower level of intensity the growing rivalry between the united states and china **Strains between China and the United States have deepened in the past few years over a proliferating array of issues**. President **Trump has stepped up accusations against China of unfair trade practices and inadequate pressure on North Korea.** He also provoked controversy early in his term when he floated the idea of **increasing official contacts with Taiwan**, which Beijing considers a renegade province.8 These **disputes add to tensions that had expanded under** President **Obama**, who moved to strengthen U.S. alliances in Asia, promote a regional trade pact, criticize Chinese behavior in the cyber and maritime domains, and shift more military assets to the Asia-Pacific as part of the rebalance to Asia strategy.9 China has in turn dismissed U.S. concerns about the construction of artificial islands in the South China Sea, intensified its criticism of U.S. security leadership in Asia, and tightened its grip on disputed maritime territories.10 **The baleful state of bilateral relations has spurred plenty of finger-pointing**. **On the Chinese side, officials denounce the United States’ “Cold War mindset” and warn of conflict if Washington does not adjust its policies**.11 A 2015 defense white paper described an “intensifying competition” between the great powers.12 **Military officials and many Chinese analysts regard increasing tension between the two countries as unavoidable, although they do not regard war as likely**. People’s Liberation Army (PLA) deputy chief of staff Qi Jianguo commented that “no conflict and no confrontation does not mean no struggle” between China and the United States.13 According to Chinese official media, polls in China suggest a large majority believes that the United States intends to pursue a containment policy.14 Reflecting this point of view, Niu Xinchun, a scholar at the China Institutes of Contemporary International Relations, argued that the “greatest obstacle to the further integration of emerging countries such as China into the international system comes from the United States.”15 **Western officials and commentators tend to blame China for current strains.** Senior U.S. leaders have **criticized “assertive” Chinese behavior, while some analysts blame Xi Jinping for pushing a more confrontational set of policies**.16 **Other Western observers worry that a further souring of relations could lead to conflict**.17 But even if war remains unlikely, **the deepening tensions increase the risks of miscalculation, crises, and potential military clashes involving the world’s two largest powers**. Echoing a view widely held among U.S. foreign policy experts and officials, **former CIA director General Michael Hayden has warned that mishandling the U.S.-China relationship could be “catastrophic.”**18 Rivalry at the Heart of the U.S.-China Relationship **This widespread concern reflects a realistic appraisal of the dangers inherent in the U.S.-China relationship.** But developing successful policies to manage an increasingly sensitive and complex situation requires an accurate assessment of the phenomenon of interstate rivalry that lies at the heart of that relationship. Rivalry is a concept that, while widely acknowledged, remains poorly understood. To be sure, most experts take for granted the idea that powerful nations compete for status and influence, and they acknowledge the danger posed by a rising power’s challenge to a status quo power. Yet investigation into the phenomenon of rivalry too often stops at these well-trodden findings. Less often discussed are the conclusions regarding the dynamics of rivalry that experts on conflict studies have arrived at within the past few years. Much of this scholarship draws from improvements to the analyses and data regarding interstate crisis and conflict.19 This research has generated useful and interesting insights regarding the start and conclusion of rivalries, crises, and war, although these remain largely unexplored outside academic circles. **Analysts have established,** for example, **that** **rivalry is perhaps the most important driver of interstate conflict.** As defined by political scientists, “**rivals” are states that regard each other as “enemies,” sources of real or potential threat, and as competitors. At the root of rivalries thus lie disputes over incompatible goals and perceptions that countries possess both the ability (real or potential) and the intention to harm each other**. **Wars have historically tended to be fought by pairings of these states and their allies. Rivals have opposed** each other in 77% of wars since 1816 and **in over 90% of wars since 1945**.20 **Not only are rivals more likely to fight than non-rivals, but rivals also have a tendency to be recidivists because they are unable to resolve their political differences on the battlefield**. Yet that does not always discourage them from trying to do so repeatedly. **Rivals that cannot prevail due to parity frequently compete for advantage by building internal strength through arms racing or by leveraging external power through the strengthening of alliances and partnerships.** Rivals are also **prone to serial militarized crises. Mutual perceptions of each other as hostile enemies and the inconclusive outcome of previous militarized disputes typically fuel a pattern of recurrent crises characterized by deepening resentment, distrust, and growing willingness to risk escalation. Studies have also established that the risk of conflict increases sharply after three episodes of militarized crises.**21 **Rivalries do not progress in a linear direction**, however. **Their intensity can wax and wane in response to shocks and other important developments. Periods of relative stability can alternate with turbulent periods of tension and conflict**. Similarly, cooperative activities can be interspersed with periods of acute tension and hostility. Nevertheless, the link between rivalry, crises, and interstate conflict is pervasive. Drawing from these sources, **one can describe the Sino-U.S. relationship as a rivalry characterized as a competition between two major powers over incompatible goals regarding their status, leadership, and influence over a particular region—in this case principally the Asia-Pacific**. **The dynamics of this type of strategic rivalry differ in significant ways from the far more numerous rivalries over territory** that have characterized conflict between so many countries, especially weaker and poorer ones. In contrast with rivalries over territories, strategic rivals do not necessarily share borders, although allies of one power may be engaged in a territorial dispute with the other major power. **Strategic rivalries among major powers tend to be especially long-lived,** with the average enduring for about 55 years.22 Strategic rivalries are incredibly complex phenomena that include overlapping and often reinforcing layers of disputes over leadership, status, and territory between the principal rivals and their allies. Such rivalries are almost always multilateral affairs that also involve allies and partners, some of which have their own rivalries with the other side. Competition in the economic, political, and military domains can serve as expressions as well as drivers of rivalry, as can sports and cultural competition. Strategic rivalries can be confined to one region, with the basic conflict reducible in some respects to which rival will occupy the top rung of the regional hierarchy. In other cases, however, a rivalry can span regional and global domains either sequentially or simultaneously. **The U.S.-China rivalry, for instance, is already both a regional and,** to a lesser extent**, a global rivalry**, **but there is still considerable room for competition to expand.** The complex and overlapping nature of the disputes makes **strategic rivalries extremely crisis- and conflict-prone**. Strategic rivalries **come in a grim package deal that includes strained and hostile relations, serial crises, and in some cases wars.** The comprehensive and multifaceted nature of the disputes also explains why such rivalries have proved so durable and why their wars have been so devastating. Conflict between strategic rivals has **historically occasioned the most destructive wars**, of which World Wars I and II are the most recent examples. The fact that experts at the time of each historic episode of systemic conflict consistently underestimated the duration or extent of war offers cold comfort to analysts today who seek to predict the trajectory of any conflict that might involve China and the United States. Comparisons of the Current Environment with the U.S.-China Rivalry during the Cold War **How did the two countries arrive at this position?** The most widely accepted narrative argues that **China’s rapid economic growth has provided the resources with which it can press demands on long unresolved issues such as unification with Taiwan**. China and the United States may have enjoyed stable relations in the 1980s when they cooperated on a limited basis against the Soviet Union, but that foundation of cooperation eroded considerably once the Soviet bloc dissolved in the early 1990s. Moreover, China’s rapid growth in economic power has given the country fresh resources to press its own demands on the United States and U.S. allies. By 2010, China’s economy had outpaced that of Japan to become the second-largest in the world.23 **The persistence of long-standing sources of antagonism, such as the U.S. security partnership with Taiwan, has both reflected and aggravated a broader competition for leadership**. For its own reasons, Washington has resisted Beijing’s demands, and the result has been growing fear and distrust.24 The intensifying rivalry between the rising power and the status quo leader is as old as antiquity itself. Indeed, Graham Allison coined the term **“Thucydides trap”** to describe such a situation, a term that he subsequently applied to the current U.S.-China situation.25 The popular narrative is not entirely incorrect, yet in some ways it remains incomplete. A closer look at history reminds us that antagonism between China and the United States is not unprecedented. In the 1950s and 1960s, the two countries engaged in an intense strategic competition for status and influence in Asia, one that occasionally burned hot, as it did when they clashed on the Korean Peninsula or more indirectly in Vietnam. This Cold War–era rivalry saw a complex network of competing alliances and partnerships, principally in Asia. The United States supported Taiwan and South Korea in bitter disputes with China and its allies, North Korea and the Soviet Union. This rivalry terminated in the 1970s primarily due to Beijing’s decision to counter a growing Soviet menace and the United States’ decision to pursue China as a potential partner for its own rivalry with the Soviet Union. But the existence of a period of intense U.S.-Chinese tension and competition provides a helpful baseline of comparison. What requires explanation is not the fact that the United States and China are engaged in a rivalry but the difference between today’s rivalry and that of the Cold War. **What distinguishes the rivalry today from that of the earlier period is both the closer parity in relative power—albeit still more potential than real—between the two countries and the comprehensiveness, complexity, and systemic nature of the disputes between them. Paradoxically, these features make the current rivalry potentially far more threatening to the United States,** despite the fact that so far U.S.-China relations have remained peaceful, and even though the U.S. and Chinese militaries fought each other in the Korean War. The dangerous potential of the current rivalry ultimately owes to **the risk that China could rise to the position of global system leader and subordinate the United States accordingly**. As has happened in previous power transitions, China as a system leader could exploit existing arrangements to its benefit and to the detriment of the outgoing leader, the United States. Due to the enormous rewards that accrue to a systemic leader and the high costs for the state that loses this position**, struggles for global leadership have historically proved to be especially destructive.** **The possibility that China and the United States could find themselves in a similar struggle,** while unlikely at this point, **cannot be ruled out given the reality of the relative decline in U.S. power and the concomitant increase in Chinese comprehensive national power.** At the most basic level, this fact may be measured superficially by the U.S. share of world GDP, which eroded from 40% in 1950 to 16% in 2014, adjusted for purchasing power parity. Over the same period, China’s share expanded from around 5% to 17%.26 An important consequence of the narrowing of the gap in comprehensive power has been an intensifying competition for leadership in the international economic and political order. In this way, the popular discussion of the Thucydides trap correctly recognizes the dangers of the U.S.-China competition. This feature contrasts sharply with the previous episode of rivalry. In the 1950s and 1960s, the asymmetry in power meant that the United States and China competed for influence and even clashed militarily in countries along China’s borders, but rarely elsewhere. As a largely rural, impoverished country, China had little stake in the system of global trade promoted by the industrialized West. Excluded from the United Nations, Maoist China also lacked the institutional ability to influence geopolitics and project power much beyond its immediate environs—and even that capability was sorely handicapped. Outside Asia, the United States faced minimal competition from China and generally regarded the Soviet Union as a more pressing threat. By contrast, the current competition features a China fully enmeshed in a political and economic order led by the United States. While generally supportive of this order, **China is** also **seeking to revise aspects of the regional and international order that it regards as obstacles to the country’s revitalization as a great power.** **The main theater of this competition for influence and leadership is the Asia-Pacific,** as it was in the Cold War**, but U.S.-China rivalry increasingly is expanding globally.** Moreover, unlike the largely military, regional, and ideological Cold War competition, the current contest is far more multifaceted and comprehensive in nature; it includes military, economic, technological, and political dimensions. The following two sections review the state of the competition at both the regional and the global systemic levels. **the u.s.-china rivalry at the regional level** At the regional level, U.S.-China competition spans the political, economic, and military realms. Politically, the two countries have feuded over the role of liberal values and ideals, a dispute that widened after the 1989 Tiananmen Square massacre. However, **the 1996 Taiwan Strait crisis elevated the potential threat of conflict between the two countries** and may therefore be regarded as the starting point of the current rivalry. Coinciding with impressive gains in China’s economic and military power following two decades of market reforms, the standoff saw Washington and Beijing deploy military assets to back up their respective positions regarding Taiwan’s right to hold a presidential election, elevating the risk of a clash. Since then, the competition for political influence and leadership has intensified. **In 2011, the United States announced its rebalance to Asia, which was aimed in part at shoring up U.S. alliances, partnerships, and influence**.27 **Although on the surface Washington has abandoned the effort, the Trump administration has reintroduced a vision for Asia’s economic and security order premised on values favorable to U.S. interests**.28 The 2017 National Security Strategy stated, for example, that the United States upholds a “free and open Indo-Pacific.”29 **Beijing**, by contrast**, has increased its efforts to advance a vision for a regional order premised on Chinese leadership.** In recent years, **China has promoted major economic and geostrategic initiatives to deepen Asia’s economic integration through the Belt and Road Initiative, Asian Infrastructure Investment Bank (AIIB), and other initiatives**.30 In 2017, China for the first time issued a white paper that outlined the government’s vision for Asia-Pacific security. The paper stated that China takes the advancement of regional prosperity and stability “as its own responsibility.”31 These policies build on directives issued by Xi Jinping in 2013, when he called for policies to bolster China’s attractiveness as a regional leader.32 Economically, the two countries are competing over the evolution of Asia’s economic future—a region anticipated to drive global growth in coming decades. Both countries are also competing to shape the terms of trade. President Trump may have abandoned the Trans-Pacific Partnership (TPP), but his advisers have advocated other measures to shape favorable trade terms.33 Meanwhile, China has stepped up advocacy of the Regional Comprehensive Economic Partnership, a proposed free trade agreement for the region that excludes the United States.34 China also has promoted the AIIB, while the United States and Japan continue to instead support the Asian Development Bank.35 **Militarily, the growing arms race and the establishment of rival security institutions stand among the most obvious manifestations of an increasing competition in this domain**. China and the United States have designed an array of military capabilities and doctrines partly aimed at each other. **The PLA has developed weapons systems to counter potential U.S. intervention in any contingency along China’s periphery, which the United States has in turn sought to counter with its own innovations,** such as the Joint Operational Access Concept.36 U.S. secretaries of defense Chuck Hagel and Ashton Carter outlined a “third offset” strategy to compete with China and Russia in military technology.37 To promote regional security, the United States has strengthened its military alliances and partnerships, while China has strengthened ties with Russia and argued that regional security is best protected through the Shanghai Cooperation Organisation, the Conference on Interaction and Confidence Building Measures in Asia, and other Chinese-led institutions. In 2014, Xi indirectly rebuked the United States for seeking to bolster its security leadership in the region, stating that “it is for the people of Asia to uphold the security of Asia.”38

**The cp solves all of the case. Even if they win a solvency deficit in the next speech, force them to do impact calc since the cp also has a disad.**

**The netbenefit O/ws timeframe. Future pandemics take decades to sediment. The last time we had a global pandemic to this scale was 1918 - even if they are right that future ones come at a faster rate china-us tensions have been boiling for multiple decades and the brink point is now. Tech holds the internal links: it determines economic, military, and political trajectory - and Chinese tech stealing allows for unpreceded gains. Only the cp solves - proving that not only are we winning on internal link we're winning on timeframe.**

## **2-DA**

#### **Dems win the Senate now, but it’s close---it determines the Biden presidency.**

Shane **Goldmacher 7/17**. Reporter, New York Times, “Democrats See Edge in Early Senate Map as Trump Casts Big Shadow,” The New York Times, July 17, 2021, <https://www.nytimes.com/2021/07/17/us/politics/midterm-elections.html>, RJP, DebateDrills.

Six months into the Biden administration, Senate Democrats are expressing a **cautious optimism** that the party can keep control of the chamber in the 2022 midterm elections, enjoying large fund-raising hauls in marquee races as they plot to exploit Republican retirements in key battlegrounds and a divisive series of unsettled G.O.P. primaries.

Swing-state Democratic incumbents, like Senators Raphael Warnock of Georgia and Mark Kelly of Arizona, **restocked their war chests** with multimillion-dollar sums ($7.2 million and $6 million, respectively), according to new financial filings this week. That gives them an early financial head start in two key states where Republicans’ disagreements over former President Donald J. Trump’s refusal to accept his loss in 2020 are threatening to distract and fracture the party.

But Democratic officials **are all too aware of the foreboding political history** they confront: that in a president’s first midterms, the party occupying the White House typically loses seats — often in bunches. For now, Democrats hold power by **only the narrowest of margins** in a 50-50 split Senate, with Vice President Kamala Harris **serving as the tiebreaker** to push through President Biden’s **expansive agenda** on the economy, the pandemic and infrastructure.

#### **The plan is unpopular---it’s seen as soft on China.**

Cynthia **Hicks 21**. Director of Public Affairs at PhRMA focusing on polling and opinion research that supports advocacy communications and strategy. “New polling shows Americans are sounding the alarm on the TRIPS IP waiver,” PhRMA, May 14, 2021, <https://catalyst.phrma.org/new-polling-shows-americans-are-sounding-the-alarm-on-the-trips-ip-waiver>, RJP, DebateDrills

\*\*\*NOTE – the stuff after “include the following” is a picture that couldn’t be pasted. Go to the URL if you want to see it.

2. Americans are concerned that the TRIPS waiver could risk patient safety, sow public confusion, and **cede America’s global innovation leadership to China.**

Americans worry that waiving intellectual property introduces unnecessary and dangerous risks to safety and vaccine manufacturing. The top concerns – expressed by **more than six in ten voters** – include the following:

#### **China is the key for the midterms---Senate control hinges on it.**

Sarah **Mucha 21**. Politics reporter at Axios, covering the Biden administration and Congress. “Parties pounce on China as midterm issue,” Axios, June 23, 2021, <https://www.axios.com/democrat-republicans-china-2022-midterms-6c242c54-b51b-444e-b9b2-65ff0afb906a.html>, RJP, DebateDrills

Democrats and Republicans in purple states are already **leaning into U.S. competition** with China as a key issue in the fight to control the Senate in 2022.

Why it matters: American voters hold [**increasingly negative feelings**](https://www.pewresearch.org/fact-tank/2021/04/12/americans-views-of-asia-pacific-nations-have-not-changed-since-2018-with-the-exception-of-china/) toward the Chinese government, particularly around bilateral economic relations and following the nation’s handling of the COVID-19 outbreak.

President Biden also has made it clear that **confronting China remains a foreign policy priority.**

[Possibly vulnerable Democratic senators](https://www.axios.com/senate-seats-2022-midterm-elections-aa166e09-65e9-49be-a1f4-428c36a8dad0.html) are capitalizing on the passage of the U.S. Innovation and Competition Act, a sweeping global competition bill focused on China that [recently passed by a rare bipartisan vote](https://www.axios.com/senate-china-competition-bipartisan-e2fa3f88-16d4-4d79-bab0-1b9c6a4f2774.html).

Sen. Raphael Warnock (D-Ga.) visited Kia’s West Point factory in Georgia to address how the bill could address the recent semiconductor shortage and avoid future plant shutdowns, like one the factory experienced.

Sens. Maggie Hassan (D-N.H.) and Mark Kelly (D-Ariz.) wrote op-eds in their local news outlets highlighting the bill's benefits.

The Democratic Senatorial Campaign Committee and state Democratic parties are calling out Republicans like Sens. Ron Johnson (R-Wis.) and Marco Rubio (R-Fla.), both of whom voted against the bill.

They’ve also targeted Republicans running in open Senate seats who have expressed opposition to the bill.

Meanwhile, Rubio has been **making a play for China hawks** in Florida, Axios’ Lachlan Markay [reported last week](https://www.axios.com/rubios-anti-china-voters-senate-race-florida-7f6539ab-86b8-4d08-a423-0a26598863ea.html).

Rubio, who is up for re-election next year, has been sending campaign emails with subject lines such as, "Dems <3 China," and, "Is it time to stand up to Communist China?" to a list maintained by a nonprofit group called Stand Up to China.

In Arizona, Republicans latched onto [Kelly's ties to a Chinese tech firm](https://www.azcentral.com/story/news/politics/elections/2020/05/14/senate-elections-2020-mark-kelly-business-ties-chinese-tech-firm-under-fire/5187587002/) last year, and it's likely they'll continue to use that strategy.

The senator's team has argued he isn't beholden to Chinese authorities.

Republicans have long branded Democrats as "weak" on China as a line of attack. Expect that to continue through the campaign cycle, as Democratic candidates tout the passage of the U.S. Innovation Act and reframe the narrative.

They plan to focus on increasing the United States' competitive edge with China as a policy priority.

What they’re saying: David Bergstein, a spokesman for the DSCC, said the campaign committee will be “reminding voters that any Republican who refused to back this critical bill was too weak to stand up to China in order to protect and grow good-paying jobs.”

Chris Hartline, spokesman for the NRSC, said in a statement that "no one believes that Joe Biden and Senate Democrats will do what it takes to confront the geopolitical and economic threat posed by (President) Xi (Jinping) and **the Chinese** Communist Party.

#### **GOP control of the Senate will be used to usher in a new wave of Trumpism, crushing democracy.**

Morton **Kondracke 21**. Retired executive editor of Roll Call, a former "McLaughlin Group" and Fox News commentator and co-author, with Fred Barnes, of Jack Kemp: The Bleeding Heart Conservative Who Changed America. “Why Democrats Must Retain Control of Congress in 2022,” RealClearPolitics, August 4, 2021, <https://www.realclearpolitics.com/articles/2021/08/04/why_democrats_must_retain_control_of_congress_in_2022_146189.html>, RJP, DebateDrills

The 2020 election **demonstrated how fragile our democracy is**. As Donald Trump tried, [by means both legal and illegal](https://en.wikipedia.org/wiki/Attempts_to_overturn_the_2020_United_States_presidential_election), to overturn the results of a free and fair election, only the [courts and a thin line of courageous Republican election officials](https://www.brennancenter.org/our-work/research-reports/its-official-election-was-secure) guaranteed that the peoples’ choice prevailed.

But the **safeguards are weaker**. Although the Supreme Court [upheld](https://www.nbcnews.com/politics/supreme-court/supreme-court-rejects-final-trump-election-challenge-n1260023) the last lower-court dismissal of multiple Trump-inspired lawsuits charging election fraud, in July the court [upheld new voting restrictions](https://www.reuters.com/world/us/voting-rights-breyers-future-spotlight-us-supreme-court-2021-07-01/https:/www.reuters.com/world/us/voting-rights-breyers-future-spotlight-us-supreme-court-2021-07-01/) enacted in Arizona.

And many of the [Republican election officials](https://thehill.com/homenews/state-watch/565657-new-spotlight-on-secretaries-of-state-as-electoral-battlegrounds) who refused to back up Trump’s bogus fraud charges have been [threatened](https://www.brennancenter.org/our-work/policy-solutions/election-officials-under-attack),  [fired, or are being challenged for reelection by Trump followers](https://www.economist.com/united-states/2021/07/03/state-level-republicans-are-reforming-how-elections-are-administered). Meanwhile, [17 Republican-controlled state legislatures](https://www.brennancenter.org/our-work/research-reports/voting-laws-roundup-july-2021) have  joined Arizona in making voting more difficult: In several of them,  legislators are trying to [seize control of election management](https://www.politifact.com/article/2021/jul/14/are-state-legislators-really-seeking-power-overrul/), including power to replace county election officials or even decide how a state’s election results should be certified, regardless of the popular vote.

Republicans claim they are acting restore faith in elections, but—with fraud repeatedly shown to be rare and of no effect in in 2020—Trump and his followers are **really**[**undermining faith**](https://www.politico.com/news/2021/05/24/2020-election-republican-official-races-490458) in American elections.

The result of this frenzy of activity in furtherance of Trump’s “Big Lie”—that he won the 2020 election (and that he won in a “landslide,” no less) —is that the preservation of American-style self-government depends on Democrats retaining control of Congress in 2022.

Republicans have shown that they simply **can’t be trusted to safeguard democracy**. Donald Trump now [owns the Republican Party](https://www.washingtonpost.com/politics/2021/06/11/how-republican-party-became-party-trump/) as GOP politicians up and down the line do his bidding, out of fear or belief.

Even after a mob of Trump supporters invaded the U.S. Capitol on Jan. 6, Republicans in Congress voted overwhelmingly against [impeaching](https://www.politico.com/interactives/2021/trump-second-impeachment-vote-count-house-results-list/) and [convicting](https://www.politico.com/interactives/2021/trump-second-impeachment-senate-vote/) him for his actions and inaction. Eight GOP senators and 147 representatives [voted not to certify](https://www.nytimes.com/2021/01/07/us/politics/republicans-against-certification.htmlhttps:/www.nytimes.com/2021/01/07/us/politics/republicans-against-certification.htmlhttps:/www.nytimes.com/2021/01/07/us/politics/republicans-against-certification.html) Electoral College counts submitted by two states (had they prevailed, there would have more). Then only six GOP senators voted in favor of forming a truly bipartisan 9/11-style commission to investigate the insurrection, [killing the proposal by filibuster](https://www.washingtonpost.com/national-security/january-6-commission-senate/2021/05/28/54e9f692-bf27-11eb-b26e-53663e6be6ff_story.htmlhttps:/www.washingtonpost.com/national-security/january-6-commission-senate/2021/05/28/54e9f692-bf27-11eb-b26e-53663e6be6ff_story.html).  After Democratic House Speaker Nancy Pelosi established a select committee to conduct an investigation, Republican leaders attacked her as responsible for the riot,  [falsely claiming](https://www.nytimes.com/2021/07/27/us/insurrection-pelosi-claims-fact-check.html) she is in charge of security at the Capitol.

Republicans who voted against Trump on any issue relating to Jan. 6 now face [primary opponents](https://www.usatoday.com/story/news/politics/2021/02/28/cpac-donald-trump-expected-claim-leadership-republican-party/6843815002/https:/www.usatoday.com/story/news/politics/2021/02/28/cpac-donald-trump-expected-claim-leadership-republican-party/6843815002/) backed by him and [censure](https://www.voanews.com/usa/us-politics/republican-groups-censure-party-lawmakers-who-voted-impeach-convict-trump) by their state parties. Rep. Liz Cheney, the most vocal Trump critic in the GOP, lost her House leadership post. Trump has even [attacked Senate Minority Leader Mitch McConnell](https://www.politico.com/news/2021/02/16/trump-attacks-mcconnell-in-fiery-statement-469150https:/www.politico.com/news/2021/02/16/trump-attacks-mcconnell-in-fiery-statement-469150), who criticized him after Jan. 6 but also blocked creation of the 9/11 commission. It’s classic authoritarian behavior—demanding [total loyalty](https://www.nytimes.com/2020/02/22/us/politics/trump-disloyalty-turnover.html) from his followers and total control of his faction, and assailing any rivals in power.

Lately, Trump [reportedly](https://www.forbes.com/sites/markjoyella/2021/06/01/maggie-haberman-trump-telling-people-he-expects-to-be-reinstated-as-president-by-august/) has encouraged his followers to believe he can somehow be reinstated as president later this month, and the Department of Homeland Security is [concerned](https://www.cnn.com/2021/06/30/politics/dhs-summer-violence-warnings-conspiracy/index.html) that the violent acts of Jan. 6 may be repeated when he’s not.

The sad, but inevitable conclusion is that if Republicans take control of either chamber in Congress, they will not try to do what’s best for America as a whole. **They will do what Trump tells them to do**, probably starting with trying to undo everything President Biden and the Democrats in Congress have done during the previous two years.

For starters, if Democrats are to prevail next November, Biden must be seen as a successful moderate-progressive president—one who can defy the historical pattern that presidential parties [almost invariably](https://www.brookings.edu/wp-content/uploads/2017/01/vitalstats_ch2_tbl4.pdf) lose seats in their first midterm election.

The last two Democratic presidents s who launched major initiatives without GOP support, Bill Clinton (tax increases and health care reform) and Barack Obama (Obamacare and anti-recession stimulus spending), suffered historic shellackings in the ensuing midterms—54 House seats and eight Senate seats in 1994, and 63 House and six Senate seats in 2010. Biden, who has multiple big programs in his policy agenda, has smaller Democratic margins in Congress than Clinton and Obama.  In other words, the Democrats must hang on to almost all of their contested districts and states.

McConnell, who earned the moniker [“grim reaper”](https://thehill.com/homenews/senate/555877-mcconnell-returns-as-senate-grim-reaperhttps:/thehill.com/homenews/senate/555877-mcconnell-returns-as-senate-grim-reaperhttps:/thehill.com/homenews/senate/555877-mcconnell-returns-as-senate-grim-reaper) for blocking Obama, was supposed to be a willing negotiating partner for Biden. Instead, the Senate Republican leader has pronounced himself  [“100% focused”](https://www.nbcnews.com/politics/joe-biden/mcconnell-says-he-s-100-percent-focused-stopping-biden-s-n1266443) on defeating Biden’s legislative agenda. So far, Biden has succeeded in passing a $1.9 trillion COVID relief package (with no Republican votes). He is trying to work out a bipartisan $1 trillion [“physical infrastructure”](https://www.cnn.com/2021/07/28/politics/infrastructure-bill-explained/index.html) package. McConnell isn’t the obstruction with this legislation, as Senate negotiators and the White House [sound optimistic](https://www.reuters.com/world/us/us-senators-move-forward-with-infrastructure-bill-sunday-2021-08-01/). But with Rep. Kevin McCarthy openly angling for Pelosi’s job, nothing is certain in the House.

Trump is actively trying to scuttle infrastructure spending. He’s telling Republicans to oppose it, saying passage means letting “the Radical Left play you for weak fools and losers,” and he has [threatened primary challenges](https://www.forbes.com/sites/andrewsolender/2021/07/28/trump-threatens-lots-of-primaries-for-gop-senators-over-infrastructure-deal/?sh=4be66d98276b) against GOP legislators who support it. This, despite his promising to pass a [$2 trillion bill](https://www.politico.com/news/2021/07/28/infrastructure-deal-trump-501287) while president (then never delivering). Republicans who support it obviously want money for roads, bridges and broadband for their constituents.

But they don’t like the contents of Biden’s follow-up proposal—a $3.5 trillion “human infrastructure” program, which would expand Medicare, caregiving for the disabled and elderly, and child care, while funding universal pre-kindergarten, free community college, national paid family leave, and extended child tax credits. And they don’t like the corporate and capital gains tax increases Democrats propose to pay for it all. So the Democratic plan is to pass it as a “budget reconciliation” measure requiring only Democratic votes.

If, next November, the GOP captures one chamber—most likely, the [House](https://centerforpolitics.org/crystalball/articles/forecasting-the-2022-midterm-election-with-the-generic-ballot/)—whatever Biden can get done in his first two years can’t be easily undone, but he will get nothing more passed. If the GOP gets control of both chambers, **Republicans will try to reverse anything he has accomplished.** He’ll have only his veto pen as protection.  Stalemate from 2023 through 2024—and an **unsuccessful-seeming Biden presidency**—could **reelect Trump** (or someone backed by him), in which case **constitutional norms** and respect for election results and the rule of law would again be in peril.

**Extinction**

**Kasparov 17**

Garry Kasparov, Chairman of the Human Rights Foundation, former World Chess Champion, “Democracy and Human Rights: The Case for U.S. Leadership,” Testimony Before The Subcommittee on Western Hemisphere, Transnational Crime, Civilian Security, Democracy, Human Rights, and Global Women's Issues of the U.S. Senate Committee on Foreign Relations, February 16th, <https://www.foreign.senate.gov/imo/media/doc/021617_Kasparov_%20Testimony.pdf>

As one of the countless millions of people who were freed or protected from totalitarianism by the United States of America, it is easy for me to talk about the past. To talk about the belief of the American people and their leaders that this country was exceptional, and had special responsibilities to match its tremendous power. That a nation founded on freedom was bound to defend freedom everywhere. I could talk about the bipartisan legacy of this most American principle, from the Founding Fathers, to Democrats like Harry Truman, to Republicans like Ronald Reagan. I could talk about how the American people used to care deeply about human rights and dissidents in far-off places, and how this is what made America a beacon of hope, a shining city on a hill. America led by example and set a high standard, a standard that exposed the hypocrisy and cruelty of dictatorships around the world. But there is no time for nostalgia. Since the fall of the Berlin Wall, the collapse of the Soviet Union, and the end of the Cold War, Americans, and America, have retreated from those principles, and **the world has become much worse off as a result**. American skepticism about America’s role in the world deepened in the long, painful wars in Afghanistan and Iraq, and their aftermaths. Instead of applying the lessons learned about how to do better, lessons about faulty intelligence and working with native populations, the main outcome was to stop trying. This result has been a tragedy for the billions of people still living under authoritarian regimes around the world, and it is based on faulty analysis. You can never guarantee a positive outcome— not in chess, not in war, and certainly not in politics. The best you can do is to do what you know is right and to try your best. I speak from experience when I say that the citizens of unfree states do not expect guarantees. They want a reason to hope and a fighting chance. People living under dictatorships want the opportunity for freedom, the opportunity to live in peace and to follow their dreams. From the Iraq War to the Arab Spring to the current battles for liberty from Venezuela to Eastern Ukraine, people are fighting for that opportunity, giving up their lives for freedom. The United States must not abandon them. The United States and the rest of the free world has an unprecedented advantage in economic and military strength today. What is lacking is the will. The will to make the case to the American people, the will to take risks and invest in the long-term security of the country, and the world. This will require investments in aid, in education, in security that allow countries to attain the stability their people so badly need. Such investment is far more moral and far cheaper than the cycle of **terror, war**, refugees, and **military intervention** that results when America leaves a vacuum of power. The best way to help refugees is to prevent them from becoming refugees in the first place. The Soviet Union was an existential threat, and this focused the attention of the world, and the American people. There **existential threat** today is not found on a map, but it **is very real**. The forces of the past are making steady progress against the modern world order. **Terrorist** movements in the Middle East, extremist parties across Europe, a paranoid tyrant in **North Korea threatening nuclear blackmail,** and, at the center of the web, an **aggressive KGB dictator in Russia**. They all want to turn the world back to a dark past because their survival is threatened by the values of the free world, epitomized by the United States. And **they are thriving as the U.S. has retreated**. The global freedom index has declined for ten consecutive years. No one like to talk about the United States as a global policeman, but **this is what happens when there is no cop on the beat. American leadership begins at home**, right here. America cannot lead the world on democracy and human rights if there is no unity on the meaning and importance of these things. **Leadership is required to make that case clearly and powerfully**. Right now, Americans are engaged in politics at a level not seen in decades. It is an opportunity for them to rediscover that making America great begins with believing America can be great. The Cold War was won on American values that were shared by both parties and nearly every American. Institutions that were created by a Democrat, Truman, were triumphant forty years later thanks to the courage of a Republican, Reagan. This bipartisan consistency created the decades of strategic stability that is the great strength of democracies. Strong institutions that outlast politicians allow for long-range planning. In contrast, dictators can operate only tactically, not strategically, because they are not constrained by the balance of powers, but cannot afford to think beyond their own survival. This is why a dictator like Putin has an advantage in chaos, the ability to move quickly. This can only be met by strategy, by long-term goals that are based on shared values, not on polls and cable news. The fear of making things worse has paralyzed the United States from trying to make things better. There will always be setbacks, but the United States cannot quit. The spread of **democracy is the only** proven **remedy for** nearly **every crisis that plagues the world today. War, famine, poverty, terrorism**–all are generated and exacerbated by authoritarian regimes. A policy of America First inevitably puts American security last. American leadership is required because there is no one else, and because it is good for America. There is no weapon or wall that is more powerful for security than America being envied, imitated, and admired around the world. Admired not for being perfect, but for having the exceptional courage to always try to be better. Thank you.

**3-FW**

#### **Pleasure and pain are intrinsically valueable and disvalueable – everything else regresses. Evolutionary knowledge is reliable – broad consensus and robust neuroscience prove.**

**Blum et al. 18**

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**Pleasure** is not only one of the three primary reward functions but it also **defines reward.** As homeostasis explains the functions of only a limited number of rewards, the principal reason why particular stimuli, objects, events, situations, and activities are rewarding may be due to pleasure. This applies first of all to sex and to the primary homeostatic rewards of food and liquid and extends to money, taste, beauty, social encounters and nonmaterial, internally set, and intrinsic rewards. Pleasure, as the primary effect of rewards, drives the prime reward functions of learning, approach behavior, and decision making and provides the **basis for hedonic theories** of reward function. We are attracted by most rewards and exert intense efforts to obtain them, just because they are enjoyable [10]. Pleasure is a passive reaction that derives from the experience or prediction of reward and may lead to a long-lasting state of happiness. The word happiness is difficult to define. In fact, just obtaining physical pleasure may not be enough. One key to happiness involves a network of good friends. However, it is not obvious how the higher forms of satisfaction and pleasure are related to an ice cream cone, or to your team winning a sporting event. Recent multidisciplinary research, using both humans and detailed invasive brain analysis of animals has discovered some critical ways that the brain processes pleasure [14]. Pleasure as a hallmark of reward is sufficient for defining a reward, but it may not be necessary. A reward may generate positive learning and approach behavior simply because it contains substances that are essential for body function. When we are hungry, we may eat bad and unpleasant meals. A monkey who receives hundreds of small drops of water every morning in the laboratory is unlikely to feel a rush of pleasure every time it gets the 0.1 ml. Nevertheless, with these precautions in mind, we may define any stimulus, object, event, activity, or situation that has the potential to produce pleasure as a reward. In the context of reward deficiency or for disorders of addiction, homeostasis pursues pharmacological treatments: drugs to treat drug addiction, obesity, and other compulsive behaviors. The theory of allostasis suggests broader approaches - such as re-expanding the range of possible pleasures and providing opportunities to expend effort in their pursuit. [15]. It is noteworthy, the first animal studies eliciting approach behavior by electrical brain stimulation interpreted their findings as a discovery of the brain’s pleasure centers [16] which were later partly associated with midbrain dopamine neurons [17–19] despite the notorious difficulties of identifying emotions in animals. Evolutionary theories of pleasure: The love connection BO:D Charles Darwin and other biological scientists that have examined the biological evolution and its basic principles found various mechanisms that steer behavior and biological development. Besides their theory on natural selection, it was particularly the sexual selection process that gained significance in the latter context over the last century, especially when it comes to the question of what makes us “what we are,” i.e., human. However, the capacity to sexually select and evolve is not at all a human accomplishment alone or a sign of our uniqueness; yet, we humans, as it seems, are ingenious in fooling ourselves and others–when we are in love or desperately search for it. It is well established that modern biological theory conjectures that **organisms are** the **result of evolutionary competition.** In fact, Richard Dawkins stresses gene survival and propagation as the basic mechanism of life [20]. Only genes that lead to the fittest phenotype will make it. It is noteworthy that the phenotype is selected based on behavior that maximizes gene propagation. To do so, the phenotype must survive and generate offspring, and be better at it than its competitors. Thus, the ultimate, distal function of rewards is to increase evolutionary fitness by ensuring the survival of the organism and reproduction. It is agreed that learning, approach, economic decisions, and positive emotions are the proximal functions through which phenotypes obtain other necessary nutrients for survival, mating, and care for offspring. Behavioral reward functions have evolved to help individuals to survive and propagate their genes. Apparently, people need to live well and long enough to reproduce. Most would agree that homo-sapiens do so by ingesting the substances that make their bodies function properly. For this reason, foods and drinks are rewards. Additional rewards, including those used for economic exchanges, ensure sufficient palatable food and drink supply. Mating and gene propagation is supported by powerful sexual attraction. Additional properties, like body form, augment the chance to mate and nourish and defend offspring and are therefore also rewards. Care for offspring until they can reproduce themselves helps gene propagation and is rewarding; otherwise, many believe mating is useless. According to David E Comings, as any small edge will ultimately result in evolutionary advantage [21], additional reward mechanisms like novelty seeking and exploration widen the spectrum of available rewards and thus enhance the chance for survival, reproduction, and ultimate gene propagation. These functions may help us to obtain the benefits of distant rewards that are determined by our own interests and not immediately available in the environment. Thus the distal reward function in gene propagation and evolutionary fitness defines the proximal reward functions that we see in everyday behavior. That is why foods, drinks, mates, and offspring are rewarding. There have been theories linking pleasure as a required component of health benefits salutogenesis, (salugenesis). In essence, under these terms, pleasure is described as a state or feeling of happiness and satisfaction resulting from an experience that one enjoys. Regarding pleasure, it is a double-edged sword, on the one hand, it promotes positive feelings (like mindfulness) and even better cognition, possibly through the release of dopamine [22]. But on the other hand, pleasure simultaneously encourages addiction and other negative behaviors, i.e., motivational toxicity. It is a complex neurobiological phenomenon, relying on reward circuitry or limbic activity. It is important to realize that through the “Brain Reward Cascade” (BRC) endorphin and endogenous morphinergic mechanisms may play a role [23]. While natural rewards are essential for survival and appetitive motivation leading to beneficial biological behaviors like eating, sex, and reproduction, crucial social interactions seem to further facilitate the positive effects exerted by pleasurable experiences. Indeed, experimentation with addictive drugs is capable of directly acting on reward pathways and causing deterioration of these systems promoting hypodopaminergia [24]. Most would agree that pleasurable activities can stimulate personal growth and may help to induce healthy behavioral changes, including stress management [25]. The work of Esch and Stefano [26] concerning the link between compassion and love implicate the brain reward system, and pleasure induction suggests that social contact in general, i.e., love, attachment, and compassion, can be highly effective in stress reduction, survival, and overall health. Understanding the role of neurotransmission and pleasurable states both positive and negative have been adequately studied over many decades [26–37], but comparative anatomical and neurobiological function between animals and homo sapiens appear to be required and seem to be in an infancy stage. Finding happiness is different between apes and humans As stated earlier in this expert opinion one key to happiness involves a network of good friends [38]. However, it is not entirely clear exactly how the higher forms of satisfaction and pleasure are related to a sugar rush, winning a sports event or even sky diving, all of which augment dopamine release at the reward brain site. Recent multidisciplinary research, using both humans and detailed invasive brain analysis of animals has discovered some critical ways that the brain processes pleasure. Remarkably, there are pathways for ordinary liking and pleasure, which are limited in scope as described above in this commentary. However, there are **many brain regions**, often termed hot and cold spots, that significantly **modulate** (increase or decrease) our **pleasure or** even **produce the opposite** of pleasure— that is disgust and fear [39]. One specific region of the nucleus accumbens is organized like a computer keyboard, with particular stimulus triggers in rows— producing an increase and decrease of pleasure and disgust. Moreover, the cortex has unique roles in the cognitive evaluation of our feelings of pleasure [40]. Importantly, the interplay of these multiple triggers and the higher brain centers in the prefrontal cortex are very intricate and are just being uncovered. Desire and reward centers It is surprising that many different sources of pleasure activate the same circuits between the mesocorticolimbic regions (Figure 1). Reward and desire are two aspects pleasure induction and have a very widespread, large circuit. Some part of this circuit distinguishes between desire and dread. The so-called pleasure circuitry called “REWARD” involves a well-known dopamine pathway in the mesolimbic system that can influence both pleasure and motivation. In simplest terms, the well-established mesolimbic system is a dopamine circuit for reward. It starts in the ventral tegmental area (VTA) of the midbrain and travels to the nucleus accumbens (Figure 2). It is the cornerstone target to all addictions. The VTA is encompassed with neurons using glutamate, GABA, and dopamine. The nucleus accumbens (NAc) is located within the ventral striatum and is divided into two sub-regions—the motor and limbic regions associated with its core and shell, respectively. The NAc has spiny neurons that receive dopamine from the VTA and glutamate (a dopamine driver) from the hippocampus, amygdala and medial prefrontal cortex. Subsequently, the NAc projects GABA signals to an area termed the ventral pallidum (VP). The region is a relay station in the limbic loop of the basal ganglia, critical for motivation, behavior, emotions and the “Feel Good” response. This defined system of the brain is involved in all addictions –substance, and non –substance related. In 1995, our laboratory coined the term “Reward Deficiency Syndrome” (RDS) to describe genetic and epigenetic induced hypodopaminergia in the “Brain Reward Cascade” that contribute to addiction and compulsive behaviors [3,6,41]. Furthermore, ordinary “liking” of something, or pure pleasure, is represented by small regions mainly in the limbic system (old reptilian part of the brain). These may be part of larger neural circuits. In Latin, hedus is the term for “sweet”; and in Greek, hodone is the term for “pleasure.” Thus, the word Hedonic is now referring to various subcomponents of pleasure: some associated with purely sensory and others with more complex emotions involving morals, aesthetics, and social interactions. The capacity to have pleasure is part of being healthy and may even extend life, especially if linked to optimism as a dopaminergic response [42]. Psychiatric illness often includes symptoms of an abnormal inability to experience pleasure, referred to as anhedonia. A negative feeling state is called dysphoria, which can consist of many emotions such as pain, depression, anxiety, fear, and disgust. Previously many scientists used animal research to uncover the complex mechanisms of pleasure, liking, motivation and even emotions like panic and fear, as discussed above [43]. However, as a significant amount of related research about the specific brain regions of pleasure/reward circuitry has been derived from invasive studies of animals, these cannot be directly compared with subjective states experienced by humans. In an attempt to resolve the controversy regarding the causal contributions of mesolimbic dopamine systems to reward, we have previously evaluated the three-main competing explanatory categories: “liking,” “learning,” and “wanting” [3]. That is, dopamine may mediate (a) liking: the hedonic impact of reward, (b) learning: learned predictions about rewarding effects, or (c) wanting: the pursuit of rewards by attributing incentive salience to reward-related stimuli [44]. We have evaluated these hypotheses, especially as they relate to the RDS, and we find that the incentive salience or “wanting” hypothesis of dopaminergic functioning is supported by a majority of the scientific evidence. Various neuroimaging studies have shown that anticipated behaviors such as sex and gaming, delicious foods and drugs of abuse all affect brain regions associated with reward networks, and may not be unidirectional. Drugs of abuse enhance dopamine signaling which sensitizes mesolimbic brain mechanisms that apparently evolved explicitly to attribute incentive salience to various rewards [45]. Addictive substances are voluntarily self-administered, and they enhance (directly or indirectly) dopaminergic synaptic function in the NAc. This activation of the brain reward networks (producing the ecstatic “high” that users seek). Although these circuits were initially thought to encode a set point of hedonic tone, it is now being considered to be far more complicated in function, also encoding attention, reward expectancy, disconfirmation of reward expectancy, and incentive motivation [46]. The argument about addiction as a disease may be confused with a predisposition to substance and nonsubstance rewards relative to the extreme effect of drugs of abuse on brain neurochemistry. The former sets up an individual to be at high risk through both genetic polymorphisms in reward genes as well as harmful epigenetic insult. Some Psychologists, even with all the data, still infer that addiction is not a disease [47]. Elevated stress levels, together with polymorphisms (genetic variations) of various dopaminergic genes and the genes related to other neurotransmitters (and their genetic variants), and may have an additive effect on vulnerability to various addictions [48]. In this regard, Vanyukov, et al. [48] suggested based on review that whereas the gateway hypothesis does not specify mechanistic connections between “stages,” and does not extend to the risks for addictions the concept of common liability to addictions may be more parsimonious. The latter theory is grounded in genetic theory and supported by data identifying common sources of variation in the risk for specific addictions (e.g., RDS). This commonality has identifiable neurobiological substrate and plausible evolutionary explanations. Over many years the controversy of dopamine involvement in especially “pleasure” has led to confusion concerning separating motivation from actual pleasure (wanting versus liking) [49]. We take the position that animal studies cannot provide real clinical information as described by self-reports in humans. As mentioned earlier and in the abstract, on November 23rd, 2017, evidence for our concerns was discovered [50] In essence, although nonhuman primate brains are similar to our own, the disparity between other primates and those of human cognitive abilities tells us that surface similarity is not the whole story. Sousa et al. [50] small case found various differentially expressed genes, to associate with pleasure related systems. Furthermore, the dopaminergic interneurons located in the human neocortex were absent from the neocortex of nonhuman African apes. Such differences in neuronal transcriptional programs may underlie a variety of neurodevelopmental disorders. In simpler terms, the system controls the production of dopamine, a chemical messenger that plays a significant role in pleasure and rewards. The senior author, Dr. Nenad Sestan from Yale, stated: “Humans have evolved a dopamine system that is different than the one in chimpanzees.” This may explain why the behavior of humans is so unique from that of non-human primates, even though our brains are so surprisingly similar, Sestan said: “It might also shed light on why people are vulnerable to mental disorders such as autism (possibly even addiction).” Remarkably, this research finding emerged from an extensive, multicenter collaboration to compare the brains across several species. These researchers examined 247 specimens of neural tissue from six humans, five chimpanzees, and five macaque monkeys. Moreover, these investigators analyzed which genes were turned on or off in 16 regions of the brain. While the differences among species were subtle, **there was** a **remarkable contrast in** the **neocortices**, specifically in an area of the brain that is much more developed in humans than in chimpanzees. In fact, these researchers found that a gene called tyrosine hydroxylase (TH) for the enzyme, responsible for the production of dopamine, was expressed in the neocortex of humans, but not chimpanzees. As discussed earlier, dopamine is best known for its essential role within the brain’s reward system; the very system that responds to everything from sex, to gambling, to food, and to addictive drugs. However, dopamine also assists in regulating emotional responses, memory, and movement. Notably, abnormal dopamine levels have been linked to disorders including Parkinson’s, schizophrenia and spectrum disorders such as autism and addiction or RDS. Nora Volkow, the director of NIDA, pointed out that one alluring possibility is that the neurotransmitter dopamine plays a substantial role in humans’ ability to pursue various rewards that are perhaps months or even years away in the future. This same idea has been suggested by Dr. Robert Sapolsky, a professor of biology and neurology at Stanford University. Dr. Sapolsky cited evidence that dopamine levels rise dramatically in humans when we anticipate potential rewards that are uncertain and even far off in our futures, such as retirement or even the possible alterlife. This may explain what often motivates people to work for things that have no apparent short-term benefit [51]. In similar work, Volkow and Bale [52] proposed a model in which dopamine can favor NOW processes through phasic signaling in reward circuits or LATER processes through tonic signaling in control circuits. Specifically, they suggest that through its modulation of the orbitofrontal cortex, which processes salience attribution, dopamine also enables shilting from NOW to LATER, while its modulation of the insula, which processes interoceptive information, influences the probability of selecting NOW versus LATER actions based on an individual’s physiological state. This hypothesis further supports the concept that disruptions along these circuits contribute to diverse pathologies, including obesity and addiction or RDS.

#### **Thus, the standard is maximizing expected well-being or act hedonistic util. Prefer additionally –**

**On case**

**On framing**

**On substance**

#### **IP Waivers do not address the heart of the issue. Zero solvency**

**Sauer 6-17:** Sauer, Hans [Deputy General Counsel, Biotechnology Industry Organization.] “Web event — Confronting Joe Biden’s proposed TRIPS waiver for COVID-19 vaccines and treatments” <https://www.aei.org/wp-content/uploads/2021/06/210617-Confronting-Joe-Bidens-proposed-TRIPS-waiver.pdf?x91208&x91208>]

But contrary to what Lori said, **there are genuine real problems in the supply chain** that are **not caused by patents**, that are simply caused by the unavailability and the constraints on existing capacity. There is in this world such a thing as maxed-out capacity that just can’t be increased on a dime. **It’s not all due to IP intellectual property**. This is true for existing vaccines as well as for vaccine raw materials. **There are trade barriers. There are export restrictions** that we should all be aware of and that we need to work on. And there are very real political, I think, interests in finding an explanation for how we got to this place that absolve governments around the world from their own policy decisions that they made in the past. In the United States, again, it was the declared policy of the previous administration, as well as this one, that we would vaccinate healthy college kids and go all down the line and offer a vaccine to everybody who wants it before we start sharing any with grandmothers in Burkina Faso. That was the policy. You can agree with it or disagree with it, but that was policy. We had export restrictions in place before a lot of other countries did. And that, too, contributed to unequal access of vaccines around the world. Another thing that was predictable was that politicians and governments around the world who want to be seen as proactive, on the ball, in control, for a long time were actually very indecisive, very unsure about how to address the COVID problem, which has so many dimensions. Vaccines are only one of those. But **with respect to vaccines, not many governments took decisive action,** put money on the table, put bets on multiple horses, before we knew whether these vaccines would work, would be approved. And it was governments in middle-income countries who now, I think, justifiably are concerned that they’re not getting fast enough access, who didn’t have the means and who didn’t have the decision-making structure to place the same bets on multiple horses, if you will, that were placed in the relatively more wealthy, global North and global West. But there is, I think, a really good and, with hindsight, predictable explanation of how we got to this place, and I think it teaches us something about how to fix the problem going forward. **So why will the waiver not work**? Well, first of all, **with complex technology like** vaccines, Lori touched on it, reverse engineering, like you would for a small molecule drug, is much more difficult if not impossible. But it depends very much more than small molecule drugs on cooperation, on voluntary transfer of technology, and on mutual assistance. **We have seen as part of the pandemic response an unprecedented level of collaborations** and cooperation **and no indication that IP has stood in the way of the pandemic response. The waiver proponents have found zero credible examples of where IP has actually been an obstacle,** where somebody has tried to block somebody else from developing a COVID vaccine or other COVID countermeasure, right? It’s not there. **Second, the myth of this vast global capacity to manufacture COVID vaccines that somehow exists** **out there is unsubstantiated** and frankly, in my opinion, untrue. But there is no such thing as vast untapped, idle capacity that could be turned around on a dime to start making COVID vaccines within weeks or even months**. This capacity needs to be built; it needs to be established**. And at a time when time is of the essence to beat this pandemic, starting capacity-building discussions is helpful, but it won’t be the answer to beat this pandemic. It will be the answer if we do everything right to beating the next pandemic. And if we learn any lesson of this, and then I will stop, is that the COVID waiver as well as the situation in which we find ourselves — if anything, it’s a reminder that **we definitely have to take global capacity-building more seriously than we did in the past.** That is true for the global North, as well as for middle-income countries — all of whom have to dedicate themselves much more determinedly to pandemic preparedness. And there’s a need to invest both in preparedness and in public health systems that hasn’t happened in the wake of past pandemic threats. This is what we will need to do. We **will need to reduce export restrictions**, and we will need to rededicate ourselves to preparing for the next pandemic. As far as this pandemic goes, **there are 11 vaccines around the world that are already being shot into arms, only four of which come from the global North. How many more vaccines do we want?** I don’t know, maybe 11 is enough if we start making more of them. But there are manufacturers around the world who know how to do this — including in China, including in India, and including in Russia. All developed their homegrown vaccines, apparently without interference by IP rights, right? **So let’s make more of those. I think that’s going to be the more practical and realistic answer to solving the problem**. And we need to lean on governments to stop export controls and to dedicate themselves to more global equity.

THE UV