## 1

#### Interpretation: New, un-disclosed, non-open sourced, non-cites disclosed affs are a voting issue – Violation is the ss- no plan text disclosed

Graphical user interface, text, application, chat or text message

Description automatically generated

#### Testing – they make it impossible to adequately test the aff without adequate pre-round prep – favors newness over engagement – disclosure solves their offense – you can break new affs, you just have to disclose the plan text personally or disclose it on the wiki before round

#### Negative ground – they make negative ground concessionary to the goodwill of the aff and results in extremist generics that heavily skew ground in favor of the aff

#### Their model incentives new over good affs that can easily be beaten back with 30 minutes of prep- turns their innovation and critical thinking arguments

Fairness is a voter- equal access is necessary prereq to any other voter

CI- creates a race to the top to set the best norms, rzn is arbitarary and invites judge intervention

DTD- set better norms and punish debaters, dta is dropping the aff

No rvis a) logic- logic o/w basis of all argumentation b)baiting- causes debaters to never call out abuse and quit debate

## 2

#### Interpretation: “Private entities” is a generic bare plural. The aff may not defend that a subset of nations ban the appropriation of outer space.

Nebel 19. [Jake Nebel is an assistant professor of philosophy at the University of Southern California and executive director of Victory Briefs. He writes a lot of this stuff lol – duh.] “Genericity on the Standardized Tests Resolution.” Vbriefly. August 12, 2019. <https://www.vbriefly.com/2019/08/12/genericity-on-the-standardized-tests-resolution/?fbclid=IwAR0hUkKdDzHWrNeqEVI7m59pwsnmqLl490n4uRLQTe7bWmWDO_avWCNzi14> TG

Both distinctions are important. Generic resolutions can’t be affirmed by specifying particular instances. But, since generics tolerate exceptions, plan-inclusive counterplans (PICs) do not negate generic resolutions.

Bare plurals are typically used to express generic generalizations. But there are two important things to keep in mind. First, generic generalizations are also often expressed via other means (e.g., definite singulars, indefinite singulars, and bare singulars). Second, and more importantly for present purposes, bare plurals can also be used to express existential generalizations. For example, “Birds are singing outside my window” is true just in case there are some birds singing outside my window; it doesn’t require birds in general to be singing outside my window.

So, what about “colleges and universities,” “standardized tests,” and “undergraduate admissions decisions”? Are they generic or existential bare plurals? On other topics I have taken great pains to point out that their bare plurals are generic—because, well, they are. On this topic, though, I think the answer is a bit more nuanced. Let’s see why.

“Colleges and universities” is a generic bare plural. I don’t think this claim should require any argument, when you think about it, but here are a few reasons.

First, ask yourself, honestly, whether the following speech sounds good to you: “Eight colleges and universities—namely, those in the Ivy League—ought not consider standardized tests in undergraduate admissions decisions. Maybe other colleges and universities ought to consider them, but not the Ivies. Therefore, in the United States, colleges and universities ought not consider standardized tests in undergraduate admissions decisions.” That is obviously not a valid argument: the conclusion does not follow. Anyone who sincerely believes that it is valid argument is, to be charitable, deeply confused. But the inference above would be good if “colleges and universities” in the resolution were existential. By way of contrast: “Eight birds are singing outside my window. Maybe lots of birds aren’t singing outside my window, but eight birds are. Therefore, birds are singing outside my window.” Since the bare plural “birds” in the conclusion gets an existential reading, the conclusion follows from the premise that eight birds are singing outside my window: “eight” entails “some.” If the resolution were existential with respect to “colleges and universities,” then the Ivy League argument above would be a valid inference. Since it’s not a valid inference, “colleges and universities” must be a generic bare plural.

Second, “colleges and universities” fails the [upward-entailment test](https://plato.stanford.edu/entries/generics/#IsolGeneInte) for existential uses of bare plurals. Consider the sentence, “Lima beans are on my plate.” This sentence expresses an existential statement that is true just in case there are some lima beans on my plate. One test of this is that it entails the more general sentence, “Beans are on my plate.” Now consider the sentence, “Colleges and universities ought not consider the SAT.” (To isolate “colleges and universities,” I’ve eliminated the other bare plurals in the resolution; it cannot plausibly be generic in the isolated case but existential in the resolution.) This sentence does not entail the more general statement that educational institutions ought not consider the SAT. This shows that “colleges and universities” is generic, because it fails the upward-entailment test for existential bare plurals.

Third, “colleges and universities” fails the adverb of quantification test for existential bare plurals. Consider the sentence, “Dogs are barking outside my window.” This sentence expresses an existential statement that is true just in case there are some dogs barking outside my window. One test of this appeals to the drastic change of meaning caused by inserting any adverb of quantification (e.g., always, sometimes, generally, often, seldom, never, ever). You cannot add any such adverb into the sentence without drastically changing its meaning. To apply this test to the resolution, let’s again isolate the bare plural subject: “Colleges and universities ought not consider the SAT.” Adding generally (“Colleges and universitiesz generally ought not consider the SAT”) or ever (“Colleges and universities ought not ever consider the SAT”) result in comparatively minor changes of meaning. (Note that this test doesn’t require there to be no change of meaning and doesn’t have to work for every adverb of quantification.) This strongly suggests what we already know: that “colleges and universities” is generic rather than existential in the resolution.

#### Precision o/w – anything else justifies the aff arbitrarily jettisoning words in the resolution at their whim which decks negative ground and preparation because the aff is no longer bounded by the resolution.

#### Violation – They specified China

#### Standards:

1] **Limits and ground – their model allows affs to defend any combination of private entities in any countries which explodes negative burden and causes random affs every tournament**

#### 2] TVA solves: Read the plan as an advantage under a whole rez – PICs don’t solve because potential neg abuse doesn’t justify aff abuse

## 3

#### Xi is tightening control over the PLA but completing goals are critical.

Krishnan 21 – Ananth, 11/18/21, [‘Xi tightened control over the PLA’, TheHindu, <https://www.thehindu.com/news/international/xi-tightened-control-over-the-pla/article37549460.ece>] Justin

The new resolution on history passed last week by China’s ruling Communist Party has said that President Xi Jinping had tightened control over the military to address the party’s “obviously lacking” leadership of the armed forces under his predecessors.

The full text of the resolution, released on Tuesday evening, listed some of the actions taken by the People’s Liberation Army (PLA) under Mr. Xi, who is also the chairman of the Central Military Commission. These included what the document described as “major operations related to border defence”.

No specifics

It did not specify what those major operations were. China has unresolved land borders with India and Bhutan. In April 2020, the PLA mobilised two divisions and carried out multiple transgressions across the Line of Actual Control (LAC) in Eastern Ladakh, sparking the worst crisis along the border in many years. Talks to resolve the tensions are still on-going.

“The armed forces have remained committed to carrying out military struggles in a flexible manner to counter military provocations by external forces, and they have created a strong deterrent against separatist activities seeking ‘Taiwan independence,’” the resolution said.

“They have conducted major operations related to border defence, protecting China’s maritime rights, countering terrorism and maintaining stability, disaster rescue and relief, fighting COVID-19, peacekeeping and escort services, humanitarian assistance, and international military cooperation.”

Last week’s resolution on history was only third such document putting forth the official view on party history, following resolutions passed by Mao Zedong in 1945 and Deng Xiaoping in 1981.

The new resolution dealt more with the future than the past. It essentially reaffirmed the official view on history, saying that the “basic points and conclusions” of past resolutions “remain valid to this day.”

It repeated the conclusion reached in 1981 on Mao’s errors noting that “mistakes were made” and that “Mao Zedong’s theoretical and practical errors concerning class struggle in a socialist society became increasingly serious” leading to the disasters of the Cultural Revolution.

Criticism of predecessors

Much of the new resolution focuses on emphasising Mr. Xi’s leadership and calling for the party to support his “core” status. It only briefly mentioned Mr. Xi’s predecessors Jiang Zemin and Hu Jintao, and implicitly critcised some aspects of their leadership including on military matters.

“For a period of time, the party’s leadership over the military was obviously lacking,” it noted. “If this problem had not been completely solved, it would not only have diminished the military’s combat capacity, but also undermined the key political principle that the party commands the gun.”

The document said Mr. Xi’s leadership had tightened supervision on the military including boosting “troop training and battle preparedness”, and it repeated China’s stated goals of completing the modernisation of its armed forces by 2035 and building a “world class” military by 2050, which observers see as meaning on par with the U.S.

‘Working vigorously’

“To build strong people’s armed forces, it is of paramount importance to uphold the fundamental principle and system of absolute party leadership over the military, to ensure that supreme leadership and command authority rest with the party Central Committee and the Central Military Commission (CMC), and to fully enforce the system of the CMC chairman assuming overall responsibility,” the resolution said, adding that “setting their sights on this problem, the Central Committee and the CMC have worked vigorously to govern the military with strict discipline in every respect.”

#### The commercial space sector is one of the PLAs central goals – the plan is a 180.

Bartholomew & Cleveland 19 – Carolyn and Robin, 4/25/19, Chairmen and Vice Chairmen. Section is written from Michael A. McDevitt, US Congressperson, [“HEARING ON CHINA IN SPACE: A STRATEGIC COMPETITION?,” <https://www.uscc.gov/sites/default/files/transcripts/April%2025%2C%202019%20Hearing%20Transcript%20%282%29.pdf>] Justin

As the Chairman said, China is determined to become a leading space power, which requires continuing to boost its innovation capabilities, both in its civilian and military sectors. The People’s Liberation Army is closely involved in most if not every aspect of China’s space program, from helping formulate and execute national space goals to overseeing China’s human spaceflight program. Coverage of China’s space program must treat seriously the implications of the reality that in many cases the boundaries between the military and civil silos of China’s program are thin, if they exist at all.

Our second panel today will address the application of what China calls its “military-civil fusion” strategy to its space sector. Military-civil fusion, a strategic concept designed to harness civilian sector innovation to power China’s military and technological modernization with the goal of leapfrogging the United States and becoming a technological powerhouse. Space has been designated as an especially important sector for military-civil fusion, and the impacts of this campaign on China’s burgeoning commercial space sector—itself a recipient of generous government support and protection—will be crucial as Chinese companies increasingly seek to compete in the international marketplace. Military-civil fusion is especially worthy of attention due to its continued reliance on technology transfer, by hook or by crook, to fuel China’s industrial and military growth.

Our third and final panel today will examine China’s military space and counterspace activities. Since its direct-ascent kinetic antisatellite test in 2007, which was responsible for a large amount of all space debris currently in Earth’s orbit, China has continued to invest in a variety of offensive antisatellite capabilities. Indeed, China’s counterspace arsenal contains many options: earlier this month, Acting Secretary of Defense Patrick Shanahan said China “has exercised and continues to develop” jamming capabilities; is deploying directed-energy counterspace weapons; has deployed an operational ground-based antisatellite missile system; and is prepared to use cyberattacks against U.S. space systems.

#### That triggers backlash – they don’t support restrictions on the space sector and will do everything to convince leaders not to do the plan.

Cheng 14 [Dean Cheng, Senior Research Fellow in the Asia Studies Center at the Heritage Foundation, Former Senior Analyst at the China Studies Division of the Center for Naval Analyses, Former Senior Analyst with Science Applications International Corporation, “Prospects for U.S.-China Space Cooperation”, Testimony before the Committee on Commerce, Science, and Transportation, United States Senate, 4/9/2014, https://www.heritage.org/testimony/prospects-us-china-space-cooperation]

At the same time, space is now a sector that enjoys significant political support within the Chinese political system. Based on their writings, the PLA is clearly intent upon developing the ability to establish “space dominance,” in order to fight and win “local wars under informationized conditions.”[8] The two SOEs are seen as key parts of the larger military-industrial complex, providing the opportunities to expose a large workforce to such areas as systems engineering and systems integration. It is no accident that China’s commercial airliner development effort tapped the top leadership of China’s aerospace corporations for managerial and design talent.[9] From a bureaucratic perspective, this is a powerful lobby, intent on preserving its interests. China’s space efforts should therefore be seen as political, as much as military or economic, statements, directed at both domestic and foreign audiences. Insofar as the PRC has scored major achievements in space, these reflect positively on both China’s growing power and respect (internationally) and the CCP’s legitimacy (internally). Efforts at inducing Chinese cooperation in space, then, are likely to be viewed in terms of whether they promote one or both objectives. As China has progressed to the point of being the world’s second-largest economy (in gross domestic product terms), it becomes less clear as to why China would necessarily want to cooperate with other countries on anything other than its own terms. Prospects for Cooperation Within this context, then, the prospects for meaningful cooperation with the PRC in the area of space would seem to be extremely limited. China’s past experience of major high-technology cooperative ventures (Sino–Soviet cooperation in the 1950s, U.S.–China cooperation in the 1980s until Tiananmen, and Sino–European space cooperation on the Galileo satellite program) is an unhappy one, at best. The failure of the joint Russian–Chinese Phobos–Grunt mission is likely seen in Beijing as further evidence that a “go-it-alone” approach is preferable. Nor is it clear that, bureaucratically, there is significant interest from key players such as the PLA or the military industrial complex in expanding cooperation.[10] Moreover, as long as China’s economy continues to expand, and the top political leadership values space efforts, there is little prospect of a reduction in space expenditures—making international cooperation far less urgent for the PRC than most other spacefaring states. [FOOTNOTE] [10]It is worth noting here that the Chinese Ministry of Foreign Affairs is not a part of the CCP Politburo, a key power center in China. Thus, the voice of the Ministry of Foreign Affairs is muted, at best, in any internal debate on policy. [END FOOTNOTE] If there is likely to be limited enthusiasm for cooperation in Chinese circles, there should also be skepticism in American ones. China’s space program is arguably one of the most opaque in the world. Even such basic data as China’s annual space expenditures is lacking—with little prospect of Beijing being forthcoming. As important, China’s decision-making processes are little understood, especially in the context of space. Seven years after the Chinese anti-satellite (ASAT) test, exactly which organizations were party to that decision, and why it was undertaken, remains unclear. Consequently, any effort at cooperation would raise questions about the identity of the partners and ultimate beneficiaries—with a real likelihood that the PLA would be one of them.

#### An unhinged PLA triggers Himalayan war – goes global

Chellaney 17 [Dr. Brahma Chellaney, Professor of Strategic Studies at the Center for Policy Research and Fellow at the Robert Bosch Academy, PhD in International Studies from Jawaharlal Nehru University, “Why the Chinese Military’s Rising Clout Troubles Xi Jinping”, The National, 9/9/2017, https://www.thenational.ae/opinion/why-the-chinese-military-s-rising-clout-troubles-xi-jinping-1.626815?videoId=5754807360001]

China’s president Xi Jinping has stepped up his domestic political moves in the run-up to the critical 19th national congress of the Chinese Communist Party next month, but he is still struggling to keep the People’s Liberation Army (PLA) in line. China’s political system makes it hard to get a clear picture, yet Mr Xi’s actions underscore the troublesome civil-military relations in the country. Take the recent standoff with India that raised the spectre of a Himalayan war, with China threatening reprisals if New Delhi did not unconditionally withdraw its forces from a small Bhutanese plateau, which Beijing claims is Chinese territory. After 10 weeks, the face-off on the Doklam Plateau ended with both sides pulling back troops and equipment from the site on the same day, signalling that Beijing, not New Delhi, had blinked. The mutual-withdrawal deal was struck just after Mr Xi replaced the chief of the PLA’s joint staff department. This key position, equivalent to the chairman of the US joint chiefs of staff, was created only last year as part of Mr Xi’s military reforms to turn the PLA into a force “able to fight and win wars”. The Doklam pullback suggests that the removed chief, Gen Fang Fenghui, who has since been detained for alleged corruption, was an obstacle to clinching a deal with India. To be sure, this was not the first time that the PLA’s belligerent actions in the Himalayas imposed diplomatic costs on China. A classic case happened when Mr Xi reached India on a state visit in September 2014. He arrived on Indian prime minister Narendra Modi’s birthday with a strange gift for his host, a predawn Chinese military encroachment deep into India’s northern region of Ladakh. The encroachment, the worst in many years in terms of the number of intruding troops, overshadowed Mr Xi’s visit. It appeared bizarre that the military of an important power would seek to mar the visit of its own head of state to a key neighbouring country. Yet Chinese premier Li Keqiang’s earlier visit to New Delhi in 2013 was similarly preceded by a PLA incursion into another part of Ladakh that lasted three weeks. Such provocations might suggest that they are intentional, with the Chinese government in the know, thus reflecting a preference for blending soft and hard tactics. But it is also possible that these actions underscore the continuing “disconnect between the military and the civilian leadership” in China that then US defence secretary Robert Gates warned about in 2011. During his 2014 India trip, Mr Xi appeared embarrassed by the accompanying PLA encroachment and assured Mr Modi that he would sort it out upon his return. Soon after he returned, the Chinese defence ministry quoted Mr Xi as telling a closed-door meeting with PLA commanders that “all PLA forces should follow the president’s instructions” and that the military must display “absolute loyalty and firm faith in the party”. Recently Xi conveyed that same message yet again when he addressed a parade marking the 90th anniversary of the PLA’s creation on August 1, 1927. Donning military fatigues, Mr Xi exhorted members of his 2.3-million-strong armed forces to “unswervingly follow the absolute leadership of the party.” Had civilian control of the PLA been working well, would Mr Xi repeatedly be demanding “absolute loyalty” from the military or asking it to “follow his instructions”? China does not have a national army; rather the party has an army. So the PLA has traditionally sworn fealty to the party, not the nation. Under Mr Xi’s two immediate predecessors, Hu Jintao and Jiang Zemin, the PLA gradually became stronger at the expense of the party. The military’s rising clout has troubled Mr Xi because it hampers his larger ambition. As part of his effort to reassert party control over the military, Mr Xi has used his anti-corruption campaign to ensnare a number of top PLA officers. He has also cut the size of the ground force and established a new command-and-control structure. But just as a dog’s tail cannot be straightened, asserting full civil control over a politically ascendant PLA is proving unachievable. After all, the party depends on the PLA to ensure domestic order and sustain its own political monopoly. The regime’s legitimacy increasingly relies on an appeal to nationalism. But the PLA, with its soaring budgets and expanding role to safeguard China’s overseas interests, sees itself as the ultimate arbiter of nationalism. To make matters worse, Mr Xi has made many enemies at home in his effort to concentrate power in himself, including through corruption purges. It is not known whether the PLA’s upper echelon respects him to the extent to be fully guided by his instructions. In the past decade, the PLA’s increasing clout has led China to stake out a more muscular role. This includes resurrecting territorial and maritime disputes, asserting new sovereignty claims, and using construction activity to change the status quo. China’s cut-throat internal politics and troubled civil-military relations clearly have a bearing on its external policy. The risks of China’s rise as a praetorian state are real and carry major implications for international security.

#### Extinction.

Caldicott 17 – Helen, 2017, Founder of Physicians for Social Responsibility [“The new nuclear danger: George W. Bush's military-industrial complex,” The New Press]//Elmer

The use of Pakistani nuclear weapons could trigger a chain reac­tion. **Nuclear-armed India, an ancient enemy, could respond** in kind. China, India's hated foe, could react if India used her nuclear weapons, triggering a nuclear [war] ~~holocaust~~ on the subcontinent. If any of either **Russia** or **America**'s 2,250 strategic weapons on hair-trigger alert were launched either **accidentally** or **purposefully** in response, **nuclear winter** would ensue, meaning the **end of most life on earth**.

## Case

### HEG

#### First is offense-

#### 1] Counterbalancing

#### A. Pursuit of hegemony leads to Sino-Russia alliance and is unsustainable.

Porter, DPhil, 19

(Patrick, ModernHistory@Oxford, ProfInternationalSecurityAndStrategy@Birmingham, Advice for a Dark Age: Managing Great Power Competition, The Washington Quarterly, 42:1, 7-25)

Even the United States cannot prudently take on every adversary on multiple fronts. The costs of military campaigns against these adversaries in their backyards, whether in the Baltic States or Taiwan, would outstrip the losses that the U.S. military has sustained in decades. Short of all-out conflict, to mobilize for dominance and risk escalation on multiple such fronts would court several dangers. It would overstretch the country. The U.S. defense budget now approaches $800 billion annually, not including deficit-financed military operations. This is a time of ballooning deficits, where the Congressional Budget Office warns that “the prospect of large and growing debt poses substantial risks for the nation.”27 If in such conditions, current expenditure is not enough to buy unchallengeable military preponderance—and it may not be—then the failure lies not in the failure to spend even more. Neither is the answer to sacrifice the quality of civic life at home to service the cause of preponderance abroad. The old “two war standard,” a planning construct whereby the United States configures its forces to conduct two regional conflicts at once, would be unsustainably demanding against more than one peer competitor, or potentially with a roster of major and minor adversaries all at once.28 After all, the purpose of American military power is ultimately to secure a way of life as a constitutional republic. To impose ever-greater debts on civil society and strip back collective provision at home, on the basis that the quality of life is expendable for the cause of hegemony, is perversely to set up power-projection abroad as the end, when it should be the means. The problem lies, rather, in the inflexible pursuit of hegemony itself, and the failure to balance commitments with scarce resources. To attempt to suppress every adversary simultaneously would drive adversaries together, creating hostile coalitions. It also may not succeed. Counterproliferation in North Korea is difficult enough, for instance, but the task becomes more difficult still if U.S. enmity with China drives Beijing to refuse cooperation over enforcing sanctions on Pyongyang. Concurrent competitions would also split American resources, attention and time. Exacerbating the strain on scarce resources between defense, consumption and investment raises the polarizing question of whether preponderance is even worth it, which then undermines the domestic consensus needed to support it. At the same time, reduced investment in infrastructure and education would damage the economic foundations for conducting competition abroad in the first place. Taken together, indiscriminate competition risks creating the thing most feared in traditional U.S. grand strategy: a hostile Eurasian alliance leading to continuous U.S. mobilization against hostile coalitions, turning the U.S. republic into an illiberal garrison state. If the prospect for the United States as a great power faces a problem, it is not the size of the defense budget, or the material weight of resources at the U.S. disposal, or popular reluctance to exercise leadership. Rather, the problem lies in the scope of the policy that those capabilities are designed to serve. To make the problem smaller, Washington should take steps to make the pool of adversaries smaller.

#### B. A strong Sino-Russian alliance combined with expanded US military presence ensures joint retaliation — that escalates to the use of nuclear force

Klare 18 – Professor of peace and world security studies at Hampshire College. (Michael T., “The Pentagon Is Planning a Three-Front ‘Long War’ Against China and Russia,” April 4, 2018, https://fpif.org/the-pentagon-is-planning-a-three-front-long-war-against-china-and-russia/)//sy

In relatively swift fashion, American military leaders have followed up their claim that the U.S. is in a new long war by sketching the outlines of a containment line that would stretch from the Korean Peninsula around Asia across the Middle East into parts of the former Soviet Union in Eastern Europe and finally to the Scandinavian countries. Under their plan, American military forces — reinforced by the armies of trusted allies — should garrison every segment of this line, a grandiose scheme to block hypothetical advances of Chinese and Russian influence that, in its global reach, should stagger the imagination. Much of future history could be shaped by such an outsized effort. Questions for the future include whether this is either a sound strategic policy or truly sustainable. Attempting to contain China and Russia in such a manner will undoubtedly provoke countermoves, some undoubtedly difficult to resist, including cyber attacks and various kinds of economic warfare. And if you imagined that a war on terror across huge swaths of the planet represented a significant global overreach for a single power, just wait. Maintaining large and heavily-equipped forces on three extended fronts will also prove exceedingly costly and will certainly conflict with domestic spending priorities and possibly provoke a divisive debate over the reinstatement of the draft. However, the real question — unasked in Washington at the moment — is: Why pursue such a policy in the first place? Are there not other ways to manage the rise of China and Russia’s provocative behavior? What appears particularly worrisome about this three-front strategy is its immense capacity for confrontation, miscalculation, escalation, and finally actual war rather than simply grandiose war planning. At multiple points along this globe-spanning line — the Baltic Sea, the Black Sea, Syria, the South China Sea, and the East China Sea, to name just a few — forces from the U.S. and China or Russia are already in significant contact, often jostling for position in a potentially hostile manner. At any moment, one of these encounters could provoke a firefight leading to unintended escalation and, in the end, possibly all-out combat. From there, almost anything could happen, even the use of nuclear weapons. Clearly, officials in Washington should be thinking hard before committing Americans to a strategy that will make this increasingly likely and could turn what is still long-war planning into an actual long war with deadly consequences.

#### 2] Terrorism

#### A. Hegemony fails and propagates terrorism – it justifies intervention and empirically causes blowback.

Bandow 19 (Doug, senior fellow @ Cato Institute and JD Stanford, 6-2-2019, "Understanding the Failure of U.S. Foreign Policy: The Albright Doctrine," National Interest, <https://nationalinterest.org/blog/skeptics/understanding-failure-us-foreign-policy-albright-doctrine-60477)> AG

Since 9/11, Washington has been extraordinarily active militarily—invading two nations, bombing and droning several others, deploying special operations forces in yet more countries, and applying sanctions against many. Tragically, **the threat of Islamist violence and terrorism only have metastasized**. Although Al Qaeda lost its effectiveness in directly plotting attacks, it continues to inspire national offshoots. Moreover, while losing its physical “caliphate” the Islamic State added further terrorism to its portfolio.

Three successive administrations have ever more deeply ensnared the United States in the Middle East. War with Iran appears to be frighteningly possible. Ever-wealthier allies are ever-more dependent on America. Russia is actively hostile to the United States and Europe. Washington and Beijing appear to be a collision course on far more than trade. Yet the current administration appears convinced that doing more of the same will achieve different results, the best definition of insanity.

Despite his sometimes abusive and incendiary rhetoric, the president has departed little from his predecessors’ policies. For instance, American forces remain deployed in Afghanistan and Syria. Moreover, the Trump administration has increased its military and materiel deployments to Europe. Also, Washington has intensified economic sanctions on Cuba, Iran, North Korea, and Russia, and even penalized additional countries, namely Venezuela.

U.S. foreign policy suffers from systematic flaws in the thinking of the informal policy collective which former Obama aide Ben Rhodes dismissed as “The Blob.” Perhaps no official better articulated The Blob’s defective precepts than Madeleine Albright, United Nations ambassador and Secretary of State.

First is overweening hubris. In 1998 Secretary of State Albright declared that “If we have to use force, it is because we are America: **we are the indispensable nation**. We stand tall and we see further than other countries into the future, and we see the danger here to all of us.”

Even then her claim was implausible. America blundered into the Korean War and barely achieved a passable outcome. The Johnson administration infused Vietnam with dramatically outsize importance. For decades, Washington foolishly refused to engage the People’s Republic of China. Washington-backed dictators in Cuba, Nicaragua, Iran, and elsewhere fell ingloriously. An economic embargo against Cuba that continues today helped turn Fidel Castro into a global folk hero. Washington veered dangerously close to nuclear war with Moscow during the Cuban Missile Crisis in 1962 and again two decades later during military exercises in Europe.

U.S. officials rarely were prepared for events that occurred in the next week or month, let alone years later. Americans did no better than the French in Vietnam. Americans managed events in Africa no better than the British, French, and Portuguese colonial overlords. Washington made more than its share of bad, even awful decisions in dealing with other nations around the globe.

Perhaps the worst failing of U.S. foreign policy was ignoring the inevitable impact of **foreign intervention**. Americans would never passively accept another nation bombing, invading, and occupying their nation, or interfering in their political system. Even if outgunned, they would resist. Yet Washington has undertaken all of these practices, with little consideration of the impact on those most affected—hence **the rise of terrorism** against the United States. Terrorism, horrid and awful though it is, became the weapon of choice of weaker peoples against intervention by the world’s industrialized national states.

The U.S. record since September 11 has been uniquely counterproductive. Rather than minimize hostility toward America, Washington adopted a policy—highlighted by launching new wars, killing more civilians, and ravaging additional societies—guaranteed to create enemies, exacerbate radicalism, and spread terrorism. **Blowback is everywhere**. Among the worst examples: Iraqi insurgents **mutated into ISIS**, which wreaked military havoc throughout the Middle East and turned to terrorism.

#### B. Unipolarity is specifically responsible for the globalization of extremism – that makes heg unsustainable.

Ibrahimi 18 (2/19/18; S. Yaqub Ibrahimi, [researcher and instructor of political science. PhD @ Carleton University] “Unipolar politics and global peace: a structural explanation of the globalizing jihad”; taylor and francis <https://www.tandfonline.com/doi/pdf/10.1080/17467586.2018.1428763?needAccess=true)>

* JSG = Jihadi-Salafi Groups

Three conclusions can be drawn from this paper. First, the peacefulness of the contemporary unipolar system could be discussed beyond the interstate conflict and the likelihood of great powers competition debate. The new forms of asymmetric warfare, particularly the emergence of JSGs and their violent activities at different levels of the global order, could be assessed as another variable in debates on the peacefulness of the system. These actors DYNAMICS OF ASYMMETRIC CONFLICT 59 emerged and operate under the unipolarity conditions. Unipolarity, in this sense, has generated conflict-producing mechanisms and nonstate actors that drove sovereign states in lengthy wars against JSGs. This argument makes a significant contribution to the unipolarity-peace puzzle, which is conventionally addressed from the interstate conflict perspective. Second, unipolarity transformed Islamist-oriented terrorism from domestic to global. In addition to other conflict-generating conditions produced under unipolarity, the United States’ unipolar policies in Muslim regions transformed the traditional near-enemy-centric narrative of jihad into a far-enemy-centric ideology. As a result of the transformation of this doctrine, new forms of JSGs emerged that posed a threat to peace and security at all levels. Finally, because of the unipolarity of the system, global peace depends largely on the sole great power’s foreign and military policies. The US interventionism, due to the absence of a challenging great power, might not generate interstate conflict. However, it would engage the US in asymmetric warfare with nonstate actors that would emerge independently or on behalf of states to disrupt the US hegemony through insurgency, terrorism, and other forms of violence at different levels. These all might not challenge the durability of unipolarity, drastically, but they would disrupt peace and security at all domestic, regional, and global levels.

#### C. Terrorism causes global nuclear war—collapses internal AND external stability

Arguello and Buis, 18 – \*Irma, Founder and Chair of the NPSGlobal Foundation (Non-proliferation for Global Security), degree in Phyisics Science from the University of Buenos Aires, Master degree in Business Administration from IDEA/Wharton School, Defense and Security studies (Master level) at the Escuela de Defensa Nacional, Argentina; \*\*Emiliano, lawyer and associate professor of public international law, international humanitarian law, international law of disarmament, and the origins of international law in antiquity (Irma Arguello & Emiliano J. Buis, “The global impacts of a terrorist nuclear attack: What would happen? What should we do?,” *Bulletin of the Atomic Scientists*, 2018, https://doi.org/10.1080/00963402.2018.1436812)

But the consequences would go far beyond the effects in the target country, however, and promptly propagate worldwide. Global and national security, economy and finance, international governance and its framework, national political systems, and the behavior of governments and individuals would all be put under severe trial. The severity of the effects at a national level, however, would depend on the countries’ level of development, geopolitical location, and resilience. Global security and regional/national defense schemes would be strongly affected. An increase in global distrust would spark rising tensions among countries and blocs, that could even lead to the brink of nuclear weapons use by states (if, for instance, a sponsor country is identified). The consequences of such a shocking scenario would include a decrease in states’ self-control, an escalation of present conflicts and the emergence of new ones, accompanied by an increase in military unilateralism and military expenditures. Regarding the economic and financial impacts, a severe global economic depression would rise from the attack, likely lasting for years. Its duration would be strongly dependent on the course of the crisis. The main results of such a crisis would include a 2 percent fall of growth in global Gross Domestic Product, and a 4 percent decline of international trade in the two years following the attack (cf. Figure 3). In the case of developing and less-developed countries, the economic impacts would also include a shortage of high-technology products such as medicines, as well as a fall in foreign direct investment and a severe decline of international humanitarian aid toward low-income countries. We expect an increase of unemployment and poverty in all countries. Global poverty would raise about 4 percent after the attack, which implies that at least 30 million more people would be living in extreme poverty, in addition to the current estimated 767 million. In the area of international relations, we would expect a breakdown of key doctrines involving politics, security, and relations among states. These international tensions could lead to a collapse of the nuclear order as we know it today, with a consequent setback of nuclear disarmament and nonproliferation commitments. In other words, the whole system based on the Nuclear Non- Proliferation Treaty would be put under severe trial. After the attack, there would be a reassessment of existing security doctrines, and a deep review of concepts such as nuclear deterrence, no-firstuse, proportionality, and negative security assurances. Finally, the behavior of governments and individuals would also change radically. Internal chaos fueled by the media and social networks would threaten governance at all levels, with greater impact on those countries with weak institutional frameworks. Social turbulence would emerge in most countries, with consequent attempts by governments to impose restrictions on personal freedoms to preserve order – possibly by declaring a state of siege or state of emergency – and legislation would surely become tougher on human rights. There would also be a significant increase in social fragmentation – with a deepening of antagonistic views, mistrust, and intolerance, both within countries and towards others – and a resurgence of large-scale social movements fostered by ideological interests and easily mobilized through social media.

#### Defense-

#### Empirics go neg – most qualified studies disprove hegemonic stability theories.

Fettweis 17 –Christopher J. Fettweis is an American political scientist and the Associate Professor of Political Science at Tulane University. “Unipolarity, Hegemony, and the New Peace, Security Studies” 26:3, 423-451; EG)

Even the most ardent supporters of the hegemonic-stability explanation do not contend that US influence extends equally to all corners of the globe. The United States has concentrated its policing in what George Kennan used to call “strong points,” or the most important parts of the world: Western Europe, the Pacific Rim, and Persian Gulf.64 By doing so, Washington may well have contributed more to great power peace than the overall global decline in warfare. If the former phenomenon contributed to the latter, by essentially providing a behavioral model for weaker states to emulate, then perhaps this lends some support to the hegemonic-stability case.65 During the Cold War, the United States played referee to a few intra-West squabbles, especially between Greece and Turkey, and provided Hobbesian reassurance to Germany’s nervous neighbors. Other, equally plausible explanations exist for stability in the first world, including the presence of a common enemy, democracy, economic interdependence, general war aversion, etc. The looming presence of the leviathan is certainly among these plausible explanations, but only inside the US sphere of influence. Bipolarity was bad for the nonaligned world, where Soviet and Western intervention routinely exacerbated local conflicts. Unipolarity has generally been much better, **but whether or not this was due to US action is again unclear.** Overall US interest in the affairs of the Global South has dropped markedly since the end of the Cold War, as has the level of violence in almost all regions. There is less US intervention in the political and military affairs of Latin America compared to any time in the twentieth century, for instance, and also less conflict. Warfare in Africa is at an all-time low, as is relative US interest outside of counterterrorism and security assistance.66 **Regional peace and stability exist where there is US active intervention, as well as where there is not**. No direct relationship seems to exist across regions. If intervention can be considered a function of direct and indirect activity, of both political and military action, a regional picture might look like what is outlined in Table 1. These assessments of conflict are by necessity relative, because there has not been a “high” level of conflict in any region outside the Middle East during the period of the New Peace. Putting aside for the moment that important caveat, some points become clear. The great powers of the world are clustered in the upper right quadrant, where US intervention has been high, but conflict levels low. **US intervention is imperfectly correlated with stability, however. Indeed, it is conceivable that the relatively high level of US interest and activity has made the security situation in the Persian Gulf and broader Middle East worse.** In recent years, substantial hard power investments (Somalia, Afghanistan, Iraq), moderate intervention (Libya), and reliance on diplomacy (Syria) have been equally ineffective in stabilizing states torn by conflict. While it is possible that the region is essentially unpacifiable and no amount of police work would bring peace to its people, it remains hard to make the case that the US presence has improved matters. **In this “strong point,” at least, US hegemony has failed to bring peace.** In much of the rest of the world, the United States has not been especially eager to enforce any particular rules. Even rather incontrovertible evidence of genocide has not been enough to inspire action. Washington’s intervention choices have at best been erratic; Libya and Kosovo brought about action, but much more blood flowed uninterrupted in Rwanda, Darfur, Congo, Sri Lanka, and Syria. The US record of peacemaking is not exactly a long uninterrupted string of successes. During the turn-of-the-century conventional war between Ethiopia and Eritrea, a highlevel US delegation containing former and future National Security Advisors (Anthony Lake and Susan Rice) made a half-dozen trips to the region, but was unable to prevent either the outbreak or recurrence of the conflict. Lake and his team shuttled back and forth between the capitals with some frequency, and President Clinton made repeated phone calls to the leaders of the respective countries, offering to hold peace talks in the United States, all to no avail.67 The war ended Table 1. Post-Cold War US intervention and violence by region. High Violence Low Violence High US Intervention Middle East Europe South and Central Asia Pacific Rim North America Low US Intervention Africa South America Former Soviet Union in late 2000 when Ethiopia essentially won, and it controls the disputed territory to this day. The Horn of Africa is hardly the only region where states are free to fight one another today without fear of serious US involvement. Since they are choosing not to do so with increasing frequency, something else is probably affecting their calculations. Stability exists even in those places where the potential for intervention by the sheriff is minimal. Hegemonic stability can only take credit for influencing those decisions that would have ended in war without the presence, whether physical or psychological, of the United States. It seems hard to make the case that the relative peace that has descended on so many regions is primarily due to the kind of heavy hand of the neoconservative leviathan, or its lighter, more liberal cousin. Something else appears to be at work.

#### Power transitions cause retrenchment and peace, not war.

MacDonald and Parent, PhDs in Political Science, 20

(Paul K., Columbia, Associate Professor of Political Science at Wellesley College, and Joseph M., Columbia, Associate Professor of Political Science at the University of Notre Dame, The Authors Respond, *Journal of East Asian Studies*, 20(2): 176-179) BW

How do great powers respond to decline? Do they tend to embrace policies that raise the risk of war with rising challengers? These were the core questions that we set out to answer in our book Twilight of the Titans. We focused on these questions because there is a growing consensus among many policymakers and pundits that shifts in relative power are particularly perilous. In an influential 2015 Atlantic Monthly article, for example, the political scientist Graham Allison argued that “war between the United States and China in the decades ahead is not just possible, but much more likely than recognized at the moment. Indeed, judging by the historical record, war is more likely than not” (Allison 2015; 2017). In 2017, Allison reportedly briefed these findings, which are derived from his accounting of sixteen historical power transitions, to Trump’s National Security Council (Crowley 2017). For better or worse, academic arguments about rising and falling powers are helping to shape contemporary Sino-American relations. Probably for worse, because the marquee finding in our book is that power transition theory is wrong. Ordinal transitions between rising and declining powers tend to be less—rather than more—conflict prone. The main reason why this is the case is because great powers tend to respond to decline not by lashing out against their rising rivals, but by adopting policies of strategic retrenchment. These policies do not always work, and different structural conditions can make it easier or harder for declining powers to use retrenchment to effectively manage decline. Yet to the extent that hawks in the United States are drawing on power transition theory to advocate for “confronting” a rising China or for a strategy of “great power competition,” these policy recommendations are based on flimsy intellectual foundations. We appreciate the care with which all three of the reviewers have engaged with the arguments and evidence we present in our book. All three seem to accept the basic conclusion: that the impending Sino-American power transition may be turbulent, but that conflict is less likely than not. Yet there are some important areas of dispute. One concerns what the chief source of grand strategy is and how that will affects great power relations. Along with Robert Ross, we tend to rely on structural material factors, while David Kang and Ketian Zhang rely more on domestic and/or non-material factors. The other concerns how conflictual the rise of China will be. Ironically, although we tend to share Ross’s analytical focus on systemic factors, we reach a much more optimistic conclusion about the extent to which conditions in the Asia-Pacific are “ripe for rivalry” (Friedberg 1993). Let us start with the question of what shapes grand strategy. Our book follows realist theory and argues that actors in international politics, typically states, are primarily interested in their security and survival. This is precisely why states tend to be alarmed by relative decline, because it exposes them to potential harm. Yet beyond this simple and spare assumption, we accept that states can define their security needs in a wide variety of ways, and that culture, history, and domestic politics can matter a great deal in how they do so. Here we are in complete agreement with Kang that one should not “unproblematically assume that all states are the same in the contemporary world.” He is absolutely right to be frustrated that international relations scholars know much more about European than Asian history, a regrettable legacy of imperialism and the Cold War, which is getting better too slowly. We accept that China’s conception of its security needs and its role in the Asia-Pacific region will inevitably be shaped by cultural and historical legacies, the same way that Britain’s tradition of “splendid isolation” or French conceptions of “grandeur” influenced their grand strategic responses in the cases we explore in our book. Indeed, although our research finds that shifts in relative power are among the most important factors shaping great power grand strategies, we note that the correlation is imperfect. States routinely retrench less than we expect given the depth of their declines, to highlight one notable exception (pp. 53–55). The question for contemporary US–Chinese relations is the extent to which historical or cultural differences override structural conditions or make it simply impossible to compare cases of rising and declining powers. Here we disagree with Kang that China’s experience is not just distinctive, but fundamentally sui generis. It may be true that “the historical East Asian system was hegemonic,” and that as a result, Chinese foreign policy was traditionally oriented more towards monitoring hierarchic relationships rather than managing shifts in the balance of power. Yet British grand strategy was likewise obsessed with questions of imperial management, while the expansion and contraction of contested frontiers were central preoccupations of Russian grand strategy. Similarly, it may well be the case that East Asian history highlights “the dangers of internal challenges rather than external threats.” Yet French policymakers grappled with a rising Germany amidst a contested transition from royalism to republicanism, while domestic unrest and parliamentary protest provided a fatal backdrop for late-tsarist responses to decline. Great powers are inevitably preoccupied with a range of competing concerns—external threats, imperial entanglements, domestic difficulties—all of which are impacted by decline in different ways to varying degrees. Zhang’s core contention is that the making of grand strategy is more complex than we allow for in the book. She notes that there are multiple ways to measure “rising” and “declining,” that grand strategies are sometimes too complex to capture with a single word such as “retrenchment,” and that diplomatic or economic interests can often trump security concerns. We acknowledge all of these points and do our best to defend our choices in the text. We choose one way to measure decline (relative great power share of GDP) and focus on a particular moment of decline (five year windows around an ordinal transition) not because these are the only measures or moments that matter, but because they match those of power transition theorists and are easiest to implement (pp. 5–6, 45–48). We classify and compare grand strategies based on their relative ambition—do they trend towards expansion or retrenchment—not because this is the only or necessarily the best way to think about grand strategy, but because questions of the bearing burdens and managing costs tend to be particularly salient during moments of decline (pp. 6–9, 48–50). Zhang is certainly correct that there are broader shifts in the character of international politics that may mute our findings. Perhaps globalization has fundamentally transformed the boundaries in which great power competition can take place, thereby rendering the concerns of power transition theorists obsolete (nuclear weapons, international institutions, and the spread of democracy are often cited as having a similar pacifying effect). We try to account for this in our discussion of the “conquest calculus”: when it is harder for states to profit from using force, they will be less likely to choose preventive war in response to decline (pp. 70–71). Yet many of our cases of decline come from nineteenth- and early twentieth-century Europe, when these pacifying forces were relatively weak, and yet great powers still tended to favor retrenchment over war (pp. 40–41, 191–192). Even in familiar and favorable cases, the evidence in favor of power transition theory is thin. Now that trade networks, international institutions, democracy, and nuclear weapons have remade the global landscape, the implications of our argument tend to be more optimistic. Decline is not destiny, and great powers have considerable latitude to manage power transitions using retrenchment, even in seemingly unfavorable circumstances. We were surprised, therefore, that Ross finds our account “especially pessimistic” about the future of Sino-American relations. Ross is right that some of the conditions we emphasize may make the United States reluctant to retrench, notably the United States’ unwillingness to surrender preeminence and the apparent absence of regional allies who are willing or able to balance against a rising China. Nevertheless, there are other conditions that appear to favor accommodation and retrenchment: vast distances separate the two biggest powers; the conquest calculus appears to favor the defense; American security commitments are relatively independent, easing worries about falling dominos; and the United States is falling gradually, which leaves time for experimentation and for reforms to bear fruit (pp. 197–198). We concur with Ross’s observation about the importance of geography, which can mute incentives to use force and provide opportunities for retrenchment (pp. 39–41). Still, we think these opportunities are not unique to maritime environments. In the 1880s, the vast and dispersed character of Russia’s imperial commitments provided it with opportunities to pull back from exposed frontiers while reinforcing key strongpoints. Declining powers often see retrenchment not as a strategy that sacrifices security, but as a means to bolster deterrence and protect vital interests.

If so, then the United States was wise to reorient its defense priorities and devote an increasing share of its resources to the Pacific. As for applications, we would like to consider two: balancing and signaling. Kang builds the case that Asian states are not balancing against China because China is not a threat, is working to reassure its neighbors, and by implication does not much threaten the United States. In contrast, we believe that Kang is excessively optimistic about the intensity of the security dilemma in Asia. At root, balance of power theory proposes that, in a self-help world, great powers generally balance against each other mostly by strengthening their own capabilities; for weaker actors, however, their behaviors are more variable. This is exactly what Kang’s Figure 1 shows and exactly what American policymakers fear: China balancing against the United States and most Asian states failing to balance against China. This has led to a rebalancing of US forces to the Asia-Pacific and increasingly fraught relations between the two superpowers. Moreover, and rather than being a sui generis feature of East Asia, this trend is also consistent with historical practice. Our data suggest that rising powers tend to increase defense spending at a faster rate than other great powers, but that they also tend to negotiate more alliance agreements and to get involved in fewer militarized disputes (pp. 64–66). Rising powers often invest in and modernize their militaries, yet also go out of their way to reassure their neighbors. This is a classic balance of power dynamic: great power poles repel each other as weaker states caught in between are generally swept into one orbit or another. Oddly enough, this allows us to close on an ungloomy note. Zhang has pervasive worries about signaling. What if kindness is mistaken for weakness and US defensive measures signal a lack of resolve? We hope our work can dampen some of these anxieties. Over more than a century, the complexities of power and statecraft have changed. In markedly worse circumstances than those in the contemporary Asia-Pacific, great powers have risen and fallen, made contradictory statements, and pursued contradictory policies, yet across many measures, and controlling for many confounding factors, moments of power transition have tended to be peaceful. For all their manifest imperfections, great powers generally sense power trends accurately, and exchange signals as intended, which has powerfully contributed to peace. While this is no reason for complacency—deterrence can break down, reassurance can fail, historical legacies can cast long shadows—it is no reason for undue alarm either. Contra Allison, the United States and China are not trapped in the same old story of war and change; they remain coauthors of their future.

### Adv 2

#### No Escalation over Satellites:

#### 1] Planning Priorities

Bowen 18 Bleddyn Bowen 2-20-2018 “The Art of Space Deterrence” <https://www.europeanleadershipnetwork.org/commentary/the-art-of-space-deterrence/> (Lecturer in International Relations at the University of Leicester)//Elmer

Space is often an afterthought or a miscellaneous ancillary in the grand strategic views of top-level decision-makers. A president may not care that one satellite may be lost or go dark; it may cause panic and Twitter-based hysteria for the space community, of course. But the terrestrial context and consequences, as well as the political stakes and symbolism of any exchange of hostilities in space matters more. The political and media dimension can magnify or minimise the perceived consequences of losing specific satellites out of all proportion to their actual strategic effect.

#### 2] Military Precedent

Zarybnisky 18, Eric J. Celestial Deterrence: Deterring Aggression in the Global Commons of Space. Naval War College Newport United States, 2018. (Senior Materiel Leader at United States Air Force)//Elmer

PREVENTING AGGRESSION IN SPACE While deterrence and the Cold War are strongly linked in the public’s mind through the nuclear standoff between the United States and the Soviet Union, the fundamentals of deterrence date back millennia and deterrence remains relevant. Thucydides alludes to the concept of deterrence in his telling of the Peloponnesian War when he describes rivals seeking advantages, such as recruiting allies, to dissuade an adversary from starting or expanding a conflict.6F 6 Aggression in space was successfully avoided during the Cold War because both sides viewed an attack on military satellites as highly escalatory, and such an action would likely result in general nuclear war.7F 7 In today’s more nuanced world, attacking satellites, including military satellites, does not necessarily result in nuclear war. For instance, foreign countries have used highpowered lasers against American intelligence-gathering satellites8F 8 and the United States has been reluctant to respond, let alone retaliate with nuclear weapons. This shift in policy is a result of the broader use of gray zone operations, to which countries struggle to respond while limiting escalation. Beginning with the fundamentals of deterrence illuminates how it applies to prevention of aggression in space.

#### 3] Won’t go nuclear – seen as a normal conventional attack because of integration with ground forces

Firth 7/1/19 [News Editor at MIT Technology Review, was Chief News Editor at New Scientist. How to fight a war in space (and get away with it). July 1, 2019. MIT Technology Review]

Space is so intrinsic to how advanced militaries fight on the ground that an attack on a satellite need no longer signal the opening shot in a nuclear apocalypse. As a result, “deterrence in space is less certain than it was during the Cold War,” says Todd Harrison, who heads the Aerospace Security Project at CSIS, a think tank in Washington, DC. Non-state actors, as well as more minor powers like North Korea and Iran, are also gaining access to weapons that can bloody the noses of much larger nations in space.

#### 5] Lack of attribution means no retal

Schwarzer et al ’19 [Daniela, Eva-Marie McCormack, and Torben Schutz; Director, Editor, and Associate Fellow in the Security, Defense, and Armaments Program at the German Council of Foreign Relations; Deutsche Gesellschaft fur Auswartige Politik, “Technology and Strategy: The Changing Security Environment in Space Demands New Diplomatic and Military Answers,” [https://www.ssoar.info/ssoar/bitstream/handle/document/63288/ssoar-2019-schutz-Technology\_and\_Strategy\_the\_Changing.pdf](https://www.ssoar.info/ssoar/bitstream/handle/document/63288/ssoar-2019-schutz-Technology_and_Strategy_the_Changing.pdf?sequence=1&isAllowed=y&lnkname=ssoar-2019-schutz-Technology_and_Strategy_the_Changing.pdf);]

However, even a (misinterpreted) threat to space assets could start a chain reaction and quickly escalate an incident in space to a wider war. Successful deterrence, therefore, requires situational awareness, attribution capabilities and resilient assets. Especially the latter two are notoriously difficult to achieve in space. While it might be easy to attribute a kinetic attack executed with a missile, the same is not true for ASAT attacks by other satellites, and, especially, not for cyberattacks and electronic warfare measures. Without clear attribution, however, it is difficult to deter any adversary, since he could speculate that an attack cannot be traced back to him – making deterrence and retaliation more difficult. Although cross-domain deterrence, i.e. threatening an actor through potential retaliation attacks on or by other-than-space assets, is always possible, it also amplifies the problems involved in traditional deterrence: A response has to be timely and proportionate, and it should not further expand of the conflict.

#### But debris is good—

#### Satellite loss shuts down global fracking

Les Johnson 13, Deputy Manager for NASA's Advanced Concepts Office at the Marshall Space Flight Center, Co-Investigator for the JAXA T-Rex Space Tether Experiment and PI of NASA's ProSEDS Experiment, Master's Degree in Physics from Vanderbilt University, Popular Science Writer, and NASA Technologist, Frequent Contributor to the Journal of the British Interplanetary Sodety and Member of the American Institute of Aeronautics and Astronautics, National Space Society, the World Future Society, and MENSA, Sky Alert!: When Satellites Fail, p. 99-105

Energy, environment, farming, mining, land use. All of these areas and more are now inextricably linked to satellite data and would be devastated should that flow of data stop. Environmental Monitoring Oh how complacent we've become. We take for granted that we will have instant images from space showing a volcanic eruption somewhere in the South Pacific within hours of learning that it happened. When the BP oll spill happened in the Gulf of Mexico in 2010, satellite images were used in conjunction with aircraft and ships to monitor the extent and evolving nature of the spill (Figures 10.1 and 10.2). The data were also used to direct the ships that were attempting to clean up the spill, to warn fishermen of areas in which it would be dangerous to fish, and to generally monitor the extent of the disaster. This is the type of data we get from space in a field known as remote sensing. Remote sensing is, well, exactly what its name implies. With it, you gather data, or sense, usually in the form of electromagnetic radiation (light), remotely - that is, you are not physically touching what you are looking at. Satellite remote sensing began shortly after we began launching satellites and many industries are now totally dependent upon having the capability. We use satellites, like the venerable Landsat series, to study the Earth m unprecedented detail. Since 1972, Landsat satellites have taken millions of high resolution images of the Earth's surface, allowing comprehensive studies of how the land has changed due to human intervention (deforestation, agriculture, settlement, etc.) and natural processes (desertification, floods, etc.). The best way to understand how useful Landsat and similar data can be to governments at all levels is best illustrated by looking at 14then and now" photographs. For example, Africa's Lake Chad has been shrinking for 40 years, as the desert has encroached on this once plentiful inland freshwater lake. Forty years ago, there were about 15,000 square miles of water within the lake. Now, it is less than 500 square miles (Figure 10.3) [1]. And what is the practical side of this particular bit of information? Governments use this type of satellite imagery to avoid human tragedy. Hundreds of thousands of people, if not millions, depend upon the waters of Lake Chad for agriculture, industry, and personal hygiene. With the lake going dry, how has this impacted on their livelihoods, their families, and their very lives? The European Space Agency (ESA) is freely providing satellite data to developing countries as they search for new sources of drinking water. For example, ESA assessed data obtained from space over Nigeria to find over 90 new freshwater sources within that country. After ground teams visited the new sites, all were confirmed to contain fresh water. This was no accident. These were satellites with sensors developed for just such purposes in mind [2]. Desertification is but one example of changing climates affecting people's everyday lives. What about more direct observations of our impact on the planet? Figures 10.4 and 10.5 show the scarring of the Earth's surface as a result of surface mining in West Virginia. This is not a polemic against mining; rather, it is an observation that we can use satellite imagery to monitor such mining and be mindful of its impact on the environment. Other than taking pictures of surface features, like lakes and open pit mines, how are satellites monitoring the Earth's changing climate? In just about every way, by: monitoring global land, sea, and atmospheric temperatures; measuring yearly average rainfall amounts just about everywhere on the globe; measuring glaciation rates; measuring sea surface heights; and more. Remote sensing is more than taking pictures of the Earth in the visible part of the spectrum. We can learn a great deal from looking at part of the spectrum that our eyes cannot see - but our instruments can. Shown in Figure 10.6 is a composite image of the Earth's surface showing the average land-surface temperature at night. The data came from two NASA satellites, Terra and Aqua, as they orbit the Earth in a polar orbit. (This means that they circle the Earth from top to bottom, passing over both the North and South Poles with each complete orbit.) Terra's orbit is such that it passes from the north to the south across the equator in the morning; Aqua passes south to north over the equator in the afternoon. Taken together, they observe the Earth's surface in its entirety every two days. Data sets such as this exist for just about any day of the year and can show either night-time lows or daytime highs. By looking in different parts of the spectrum, like the infrared light discussed above, we can make observations as described in Table 10.1. Pollution Monitoring As emerging countries industrialize, they also become polluters. Many of these countries are not exactly forthright about releasing air-pollution details to the media, so much of our awareness of the rising pollution there is anecdotal - typically m the form of stories told by people who have visited these countries and seen the extreme pollution at first hand. This, by the way, is not exactly scientific. Using satellites, and not relying on either the governments in question or second-hand stories, we can accurately assess the pollution levels there and elsewhere. Using satellite images to measure the amount of light absorbed or blocked by fine particulates in the atmosphere, otherwise known as air pollution, you can determine not only what the airborne pollutant might be, but also its size. And, by looking at the overall light blockage, an accurate estimate of the amount of pollution in the air can also be made. Recent studies show that many of these countries are covered in a pollution cloud that countries in the developed world would deem extremely harmful. And how do we know this with scientific certainty? From satellite measurements. Energy Production The recent boom in the production of shale oil in the United States and elsewhere is due in large part to the identification and geolocation of promising geologic formations for test drilling and fracking. "Fracking" is a somewhat new term that comes from the phrase "hydraulic fracturing". In fracking, massive amounts of previously unusable reservoirs of oil and natural gas are released for capture, sale, and transport from deposits deep within the Earth - many located at least a mile below the surface. In the United States alone, there may be as much as 750 trillion cubic feet of natural gas within shale deposits releasable by fracking [3]. How do energy companies know where to look for these deposits? In large part, by analyzing satellite imagery. According to Science Daily (26 February 2009), a new map of the Earth's gravitational field based on satellite measurements makes it much less resource intensive to find new oil deposits. The map will be particularly useful as the ice melts in the oil-rich Arctic regions. The easy-to-find oilfields have already been found. To fuel the growing world economy, those harder-to-find deposits must be located and tapped - which is why satellite imagery is so important. Take away this and other satellite-dependent techniques of oil and gas exploration and the world economy will feel the impact through higher oil and natural gas prices.

#### Fracking makes extinction inevitable---try-or die to shut it off

Rev. Mac Legerton 18, Co-Founder and Executive Director of the Center for Community Action, Member of the Board of Directors of the NC Climate Solutions Coalition, Member of the Board of Directors of the Windcall Institute, “Will The U.S. Blaze A Trail To Mass Extinction?”, APPPL News, 1/15/2018, https://www.apppl.org/news/will-the-u-s-blaze-a-trail-to-mass-extinction/

As an elder, I now realize that there is even a greater threat to humanity and life on Earth than nuclear war—though, unlike a nuclear exchange, this threat is a slow-motion catastrophe. Can you guess what it is? Here’s a clue: it is something with which most people don’t have a personal relationship. Tragically, some persons remain in total denial of its validity, much less its present danger. And that’s the problem – that’s why this threat needs to be more seriously addressed on the local, state, national, and international level.

What is it? It’s the slow-motion but rapidly growing catastrophe of climate change. There’s now good news amidst this seemingly overwhelming challenge. But the answer may surprise you. Today we know what is the #1 preventable cause of climate change. It’s not coal, it’s not nuclear, and it’s not oil and gasoline. It’s actually the use of the very fuel that is touted as being cleaner, greener, and cheaper than all the rest. This fuel is called “Natural Gas”.

Let’s start with its name – “Natural Gas”. What is “natural gas”? There’s actually nothing “natural” about it when it is forcibly extracted from the ground through hydraulic fracturing, commonly known as “fracking”. When something is forcibly ruptured from deep within the earth with the use of toxic chemicals, the last name you would use for it is “natural”.

Fracking disrupts the geologic fault lines causing earthquakes, uses millions of gallons of fresh water that becomes permanently poisoned by unknown, cancer-producing chemicals added to it, creates air pollution during the drilling process, increases the risk of injury and explosions, raises major health risks to both people and place in close proximity to it, and changes the nature of both neighborhoods and landscapes. Fracking also leaves a massive carbon footprint of drilling wells as deep as 8,000 feet and then drilling horizontally over 10,000 feet; On top of all this, it leaks major amounts of gas into the environment.

So, what is this gas? It is 90-95% methane gas which is a hydrocarbon compound made up of one carbon atom and four hydrogen atoms (CH4). It releases carbon into the atmosphere and produces carbon dioxide (C02) just like coal does when it is burned. Methane is not its trace element–it is its undisputed compound of this fossil fuel product. If a compound is 90-95% of a product, it makes sense to call it by that name. Doesn’t it? Well, actually not if you want people to believe and think that it is something that it is not. It is un-natural methane gas produced under massive and highly toxic pressure and hazardous conditions.

Now that we know what this gas is, what does it do to the atmosphere and climate that is so dangerous? This hydrocarbon has properties that block the radiation of heat from Earth’s surface 100 times more effectively than CO2 (released from burning coal) during its first 10 years of release and 86 times more effectively in its first 20 years. Because of the climate emergency underway, the first 10 or 20 years matter most.

When utility companies and the larger fossil fuel companies state that they are committed to lowering carbon emissions, this just isn’t true. They are radically escalating the most dangerous and worst of all fossil fuels in relation to its impact on the climate. Now the industry wants to expand production of methane gas all over the world by calling it “the most environmentally friendly fossil fuel”and a “bridge fuel” that we can safely use until we transition to 100% renewable energy sources.

Why would a major business industry want to call its product by another name? Perhaps for the same reason that the tobacco industry did not like the term “coffin nails” or “cancer sticks” for cigarettes. Honestly, there’s a striking similarity between what are called cigarettes and natural gas. When both were produced and named, their harm was not fully known. Once the industries promoting them learned of their significant harm, they did everything they could to hide this knowledge from the public. They even hired scientists to deny their dangers. The tobacco industry was eventually sued, the truth was acknowledged, and billions of dollars were paid out in the tobacco settlement.

This same scenario that occurred with the tobacco industry needs to occur with methane gas and the fossil fuel industry. The major difference in these two scenarios is that that this fossil fuel product doesn’t just threaten the lives of individuals who voluntarily breathe it in – it threatens the lives of not only every human being, but also all life on the planet. The outcome of this scenario needs to be a moratorium and eventual end to all use of methane gas as an energy source. For the sake of all of us, our communities, and world, the sooner the better. This abomination is different. There is no time to waste.