# 1NC---Round 5

## K

### 1NC — Racial Capitalism K

**The world is structured by the World Computer, an apparatus of racial capitalism that uses algorithmic techniques to commodify life. Information is produced through real abstraction that codify race, gender, and sexuality – that information structures productive thought to create value for capitalism.**

**Beller 21** (Jonathan Beller = Professor of Humanities and Media Studies and Critical and Visual Studies at Pratt Institute, “*The World Computer: Derivative Conditions of Racial Capitalism”*, Duke University Press, BEH)

Information as Real Abstraction Taking the **notion that Capital was always a computer as a starting point** (Dyer-Witheford, 2013), The World Computer understands the **history of the commodification** of life as a process of encrypting the world’s myriad qualities as quantities. Formal and informal techniques, from double-entry bookkeeping and racialization, **to the rise of information and discrete state machines**, imposed **and extended the tyranny of racial capital’s relentless calculus of profit.** By means of the **coercive colonization of almost all social spaces, categories, and representations**—where **today language, image, music, and communication all depend upon a computational substrate** that is an outgrowth of fixed capital—all, or nearly all, expressivity has been captured in the dialectic of massive capital accumulation on the one side and radical dispossession on the other. **Currently the money-likeness of expression**—**visible as “likes”** and in other attention metrics that treat attention and affect as currency—is symptomatic of the financialization of daily life (Martin, 2015a). **All expression,** no matter what its valence, **is conscripted by algorithms of profit** that intensify **inequality by being put in the service of racial capitalism**; consequently, we are experiencing a near- apocalyptic, world-scale failure to be able to address global crises including migration for reparations, carceral systems, genocide, militarism, climate racism, racism, pandemic, anti-Blackness, extinction, and other geopolitical ills. The colonization of semiotics by racial capital has rendered **all “democratic” modes of governance outmoded** save those designed for the violent purpose of extracting profits for the enfranchised. Culturally these modes of extraction take the form of fractal fascism. An **understanding that informationalized semiotic practices** function as financial derivatives may **allow for a reimagining of the relationship between** language, visuality, and that other economic medium, namely **money, in an attempt to reprogram economy** and therefore the creation and distribution of value**—and thus also the politics and potentials of representation.** In what would amount to an end to postmodernism understood as the cultural logic of late capitalism, our revolutionary politics require, as did the communisms of the early twentieth century, a new type of economic program. In the age of computation, putting political economy back on the table implies a reprogramming of our cultural logics as economic media for the radical redress of the ills of exploitation and the democratization of the distribution of the world social product. **Sustainable communism requires the decolonizaton of abstraction** and the remaking of the protocols of social practice that give rise to real abstraction. **Though in this section we will more narrowly address the issues of money, race, and information as “real abstraction,” and their role in computational racial capitalism**, we note the overarching argument for the larger study: **1 Commodification inaugurates the global transformation** of qualities into quantities and gives rise to the world computer. **2 “Information” is not a naturally occurring** reality but emerges in the footprint of price and is always a means to posit the price of a possible or actual product. 3 **The general formula for capita**l, M-C-Mʹ, where M is money, C is commodity, and Mʹ is more money) can be **rewritten M-I-Mʹ,** where I is information. 4 “Labor,” Attention, Cognition, Metabolism, **Life converge as “Informatic Labor” whose purpose,** with respect to Capital, **is to create state changes in the Universal Turing Machine** that is the World Computer— racial capital’s relentless, granular, and planetary computation of its accounts**. 5 Semiotics, representation, and categories of social difference** function as financial derivatives—as wagers on the economic value of their underliers and as means of structuring risk for capital. 6 **Only a direct engagement with the computational colonization** of the life-world through a reprogramming (remaking) of the material processes of abstraction that constitute real abstraction can secure victory—in the form of a definitive step out of and away from racial capitalism—for the progressive movements of our times. Such a definitive movement requires an occupation and decolonization of information, and therefore of computation, and therefore of money. Only through a remaking of social relations at the molecular level of their calculus, informed by struggle against oppression, can the beauty of living and the fugitive legacies of creativity, community, and care prevail. The mode of comprehension, analysis, and transformation proposed here will require an expanded notion of racial capitalism. It interrogates the existence of deep continuities and long-term emergences—what one could correctly call algorithms of extractive violence—in the history of capitalism. These algorithms of violence include the reading and writing of code(s) on bodies, their surveillance and overcoding by informatic abstraction. Such algorithms of epidermalization or “the imposition of race on the body” (Browne: 113) are inscribed and executed on the flesh (Spillers 1987); and they are executed by means of codification processes that violently impose both a metaphysical and physical reformatting of bodies. As Simone Browne shows, epidermalization is given “its alphanumeric form” (99) through a vast array tools of marking, scarification, discipline, and surveillance that include branding irons, implements of torture, auction blocks, ship design, insurance policies, newspaper ads for runaway “property,” photographs in postcard form and a panoply of other media of dehumanization. Executable code is imposed as social categories of race, gender, religion and property, as ideologies, psychologies, contracts, brands, communication theories, game theories, and quantities of money—these abstractions work their ways into and are indeed imposed by the machines of calculation—and their avatars. We confront a continuous process of unmaking and remaking using all means available; it is violently inscribed on bodies. Sylvia Wynter, in her post– Rodney King piece “No Humans Involved: An Open Letter to My Colleagues” writes, “Both W. E. B. Du Bois and Elsa Goveia have emphasized the way in which the code of ‘Race’ or the Color Line, functions to systemically predetermine the sharply unequal re-distribution of the collectively produced global resources; and therefore, the correlation of the racial ranking rule with the Rich/Poor rule. Goveia pointed out **that all American societies are integrated on the basis of a central cultural belief** in which all share. This belief, that of **the genetic-racial inferiority** of Black people to all others, functions to enable our social hierarchies, including those of rich and poor determined directly by the economic system, to be perceived as having been as pre-determined by ‘that great crap game called life,’ as have also ostensibly been the invariant hierarchy between White and Black. Consequently in the Caribbean and Latin America, within the terms of this sociosymbolic calculus, to be ‘rich’ was also to be ‘White,’ to be poor was also to be ‘Black’ ” (Wynter: 52). “To be ‘rich’ was also to be ‘White,’ to be poor was also to be ‘Black.’ ” The real abstraction imposed by executable code—the “**code of ‘Race’ ” that “functions to systematically predetermine** the structurally **unequal redistribution of global resources**” is beholden to mediating capitalist exchange while embarking on a radical reformatting of ontology. This reformatting, the supposed result of “that great crap game called life,” brutally correlates race and value, but not entirely by chance, while racial capitalism embarks on imposing this calculus globally. Racial abstraction is endemic to what we will further explore as “real abstraction”; the evacuation of quality by abstract categories and quantities is, as we shall see in more detail, a “necessary” correlate to a world overrun by the calculus of money. Such algorithms of violence encode social difference, and although they may begin as heuristics (“rules of thumb”), they are none the less crucial to the **calculated and calculating expansion of racial capital**. Its processes and processing structures the meanings that can be ascribed to— and, as importantly, what can be done to—those of us whose data profiles constitute us as “illegal,” “Mexican,” “Black,” “[Roma] Gypsy,” “Jew,” and a lexicon of thousands of other actionable signs. This codification process draws from the histories of slavery, of colonialism, of state formation, of genocide, of gender oppression, of religious pogroms, of normativity, and again from the militarization and policing and the apparatuses of calculation that have developed within states and parastates in their own biometric pursuit of capital—power. Their violent destruction and remaking of the world. The **internalization of these codes**, including the struggles with them and the ways in which they license and/or foreclose various actions, exists in a recursive relationship to their perilous refinement. **Their analysis, a code-breaking of sorts,** will therefore demand some drastic modifications in many of the various anticapitalist, antistate warrior-stances practiced to date, particularly in a large number of their European and U.S. incarnations that until very recently remained blind to their own imperial violence and are too often complicit with hegemonic codes of masculine, unraced agency, imperialist nationalism, and default liberal assumptions in relation to questions of race, gender, sexuality, coloniality, and other forms of historically institutionalized oppression.3 The analytic, **computational racial capital, would identify the field of operations** that emerges around the embryonic form of the commodity and coarticulates with racial abstraction to formalize its code, code **that serves as operating system for the virtual machine here hypostasized as “the world computer”** and by inscribing itself on bodies and everything else. The commodity, the analysis of which famously begins volume 1 of Marx’s Capital, expressed the dual being and indeed dual registration of the humanly informed object as both quality of matter and quantity of exchange-value, along with the global generalization of this form. “The wealth of societies in which the capitalist mode of production prevails appears as an immense collection of commodities” (125). Commodities were (and with some modifications to be discussed further on, still are) humanly informed materials with a **use-value and an exchange-value— humanly informed qualities indexed by quantities**. “Computational racial capital,” as a heuristic device, stages an analysis of the convergence of what on the one side often appeared as universal: **the economic, abstract, and machinic operating systems of global production** and reproduction endemic to the commodity form and its calculus, with what on another side, sometimes appeared as particular or even incidental: racism, colonialism, slavery, imperialism, and racialization. The concept organizes this dramaturgy of analytically reunifying elements that were never materially separate in light of the study that the late Cedric Robinson conducted and recorded as Black Marxism. Robinson writes, “The development, organization and expansion of capitalist society pursued essentially racial directions, so too did social ideology. As a material force, then, it could be expected that racialism would inevitably permeate the social structures emergent from capitalism. I have used the term ‘racial capitalism’ to refer to the development and to the subsequent structure as an historical agency” (1983: 2–3). The World Computer takes what Robinson saw as “civilizational racism,” and its central role in the development of capital as axiomatic,—and sees that this role extends to and deeply into capitalist calculation and machinery during the entire period in which the world economic system seems to have moved form the paradigm of the commodity to a paradigm of information. “**Computational racial capitalism” would** **thus understand the generalization of computation** as an extension of capital logics and practices that include and indeed require the economic calculus of the dialectics of social difference. These differences, both economic and semiotic, would include those plied by slavery, anti- Blackness and other forms of racism during the past centuries. Computation must **therefore be recognized** as not a mere technical emergence but the **practical result of an ongoing and bloody struggle** between the would-have- it-alls and the to-be-dispossessed. Developed both consciously and unconsciously, computational racial capitalism is, when seen in the light of ongoing racialization and value extraction, “the subsequent structure as an historical agency.” The racial logic of computation must be pursued when considering finance, surveillance, population management, policing, social systems, social media, or any of the vast suite of protocols plying difference for capital. The local instance of computation, a specific 1 or 0, may seem value neutral, a matter as indifferent as lead for a bullet or uranium for a bomb. But we are looking at computation as the modality of a world- system. Computation emerges as **the result of struggles that informed “class struggle**” in all its forms, recognized or not by the often spotty tradition(s) of Marxism, including those struggles specific to the antagonisms of colonialism, slavery, imperialism, and white supremacist heteropatriarchal capitalism more generally. It is the result of struggles indexed by race, gender, sexuality, nationality, and ethnicity, along with additional terms indexing social differentiation too numerous to incant here but that together form a lexicon and a grammar of extractive oppression—and as we have said and as must always be remembered, also of struggle. The lexicon includes compressions that result in many of history’s abstractions including a perhaps singularly pointed abstraction: “a history whose shorthand is race” (Spillers 1997: 142). The grammar for that lexicon depends upon the deployment and execution of forms of differentiating abstraction that are lived—lived processes of abstraction and lived abstraction organized by the increasingly complex and variegated calculus of profit and thus of domination. “**Real abstraction,”** then**, emerges** not just as money in Sohn-Rethel’s sense, but **as the codification of race, gender, sexuality, geography, credit and time**—and gives rise to a “grammar,” in Hortense Spillers’s (1987) use of the term, that not only structures meaning and redounds to the deepest crevices of being smelted by social practices, but also, and not incidentally, prices differentials indexed to social difference.4 “Real abstraction,” as Sohn-Rethel spent his life deciphering, takes place “behind [our] backs” as the practical and historical working out of the exchange of equivalents within the process of the exchange of goods (33). For him, the development of the money-form, of the real abstraction that is money, is Exhibit A of the abstraction process mediating object exchange. This capacity for abstraction, realized first in “the money commodity” and then as money provided the template for further abstraction, not least in the conceptual formations of Western philosophy itself (1978). Sohn-Rethel develops this argument that practices of exchange precede the abstraction of value in Intellectual and Manual Labour, providing the full quotation from Marx: “Men do not therefore bring the product of their labour into relation with each other as value because they see these objects merely as the material integuments of homogeneous human labour. The reverse is true: by equating their different products to each other in exchange as values, they equate their different kinds of labour as human labour. They do this without being aware of it. (Marx 1990: 166 in Sohn-Rethel 1978: 32). Here is Sohn- Rethel’s commentary: People become aware of the exchange abstraction only when they come face to face with the result which their own actions have engendered “behind their backs” as Marx says. In **money the exchange abstraction achieves concentrated representation**, but a mere functional one— embodied in a coin. It is not recognizable in its true identity as abstract form, but disguised as a thing one carries about in one’s pocket, hands out to others, or receives from them. Marx says explicitly that the value abstraction never assumes a representation as such, since the only expression it ever finds is the equation of one commodity with the use- value of another. The gold or silver or other matter which lends to money its palpable and visible body is merely a metaphor of the value abstraction it embodies, not this abstraction itself. (33–34) Exchange-value is “in our heads” but is not the creation of any individual. Alongside use-value it is the other, abstract component of the “double being” of the commodity-form. Like Norbert Wiener’s (1961: 132) definition of information but, strictly speaking, emerging long before the idea of information proper, real abstraction is “not matter or energy.” There is not an atom of matter in exchange-value, or, as Marx puts it, “Not an atom of matter enters into the objectivity of commodities as values; in this it is the direct opposite of the coarsely sensuous objectivity of commodities as physical objects” (1990: 138). And a bit on, “So far no chemist has ever discovered exchange-value in a pearl or diamond” (177). But unlike in Wiener’s naturalist definition of information, exchange-value is an index of a social relation, an historical outcome. It indexes “abstract universal labor time,” a third term that forms the basis of comparison between two ostensibly incomparable and therefore incommensurable commodities, and, because common to both, creates the ratio of value that renders them quantitatively commensurable. **This distinction between the social basis of exchange-value and the universal character** of information should give us pause. As we shall have occasion to observe, information, as it is today (mis)understood, is thought to be a naturally occurring additional property of things—neither matter nor energy—rather than a domain of expression constituted by means of a technological and economic repression of its social dimension. Notably, Sohn-Rethel “set[s] out to argue that the **abstractness operating in exchange and reflected in value does nevertheless find an identical expression**, namely the abstract intellect, or the so-called pure understanding—the cognitive source of scientific knowledge” (34). For him, it gives rise to the abstract capacities of the subject of philosophy as well as the quantitative capacities of the subject of science and mathematics that in the twentieth century move toward a paradigm of information. Echoing Sohn-Rethel, we could say then that information is in our machines but not the creation of any individual machine. Not an atom of matter enters into information, though, like value, it is platformed on matter and requires energy for creation. This thesis will take on particular importance as we consider social differences whose descriptors, it turns out, are executable in a computational sense, at least from the point of view of financial calculus, but platformed on matter, and indeed, on living matter, on life. Beyond the intention of any individual, abstraction as “exchange-value” in “money” occurs in and as the process and processing of exchange in accord with an emerging standard. This standard, which economists call “exchange-value,” and which, in Marx is based on abstract universal labor time (the historically variable, socially necessary average time required to produce a commodity), persists alongside and within the specific qualities of the commodity (its use-value) and creates the commodity’s dual being. Though without chemical or material basis, **this standard, exchange-value, is a social relation**—a social relation as an abstraction—that inheres in the commodity-form itself and is formalized with the rise of the money commodity. The money commodity, in becoming a general equivalent, standardizes and thus renders fully quantifiable the exchange-value of commodities—exchange-values denominated in quantities of money. The quantification of value in a measure of money is an abstraction enabled by money itself which, as we have seen, is a real abstraction. It is a calculation that has occurred behind our backs, and indeed produces what Hayek (1945) identifies as the price system. When we recognize the differences in wages among people who are raced, gendered, nationed, and classed by various matrices of valuation, we also recognize that the calculus performed by and as real abstraction includes racial abstraction and gender abstraction. It is part of the calculus of **capital that provides it with an account of and discounts on the rate of exchange** with the labor power of marked people(s) —by discounting people(s) (Beller 2017b; see also Bhandar and Toscano 2015: 8–17). Racial abstraction provides capital with an index that measures a deviation from the average value of human life (itself historically driven down by the falling rate of profit). In this, computational racial capitalism is not merely a heuristic or a metaphor for the processes of a virtual machine; it is a historical-material condition. As we shall see, and as is obvious at least in the general case to anyone who has thought seriously about it, whiteness (and the fascist masculinity endemic to it) is not only operating where one finds “race”: it is operating everywhere in the imperium that it can be imagined (by some) that race is not a factor—**in medicine, in science, in statistics, in computation, in information**. As I wrote—resituating Bateson’s (1972) definition of information—in The Message Is Murder, **information is not merely “a difference that makes a difference”; it is a difference that makes a social difference**. **This slight difference in expression situates information historically.** While in keeping with Bateson’s far reaching ideas regarding an ecology of mind **(“If I am right, the whole thinking about what we are and what other people are has got to be restructured”;** 468), ideas that at **once problematize any distinction between inside and outside** and that make him dubious of any thought that presupposes sovereign subjectivity, my interpolation of “social” in his formulation “a difference that makes a social difference” **shifts the emphasis somewhat by insisting on the always already sociohistoricity** of any possible knowledge. Bateson believed that his understanding of information and systems ecology promised a new mode of thinking that he himself, as a twentieth-century bourgeois white man, did not feel capable of really embodying. Thus our interpolation, in keeping with Bateson but made compatible with Marx is, in keeping with Marx, designed to “transform ... the problem of knowledge into one of social theory” (Postone 2003: 216). Such a transformation **situates knowledge and now also information in the sociohistorical milieu**, the ecology such that it is, of racial capitalism, and therein finds information’s historical conditions of possibility. Here we advance the argument for the ultimately determining instance of social difference (and up the ante for the bet against whiteness) by **proposing that information is the elaboration of real abstraction**, of abstraction that results from collective practices of economic exchange and therefore from the general management of value as a social relation. I argue that set out in logical sequence, information is posited by, then posits and then presupposes the human processes of exchange that Sohn-Rethel, following Marx, argues are the practices that first give rise to the money- form and to real abstraction. For Sohn-Rethel the result of the activities of comparison, adequation, and trading of specific things that have qualities— which are, strictly speaking, incomparable—resulted over time in a process of finding a relation of equivalence and then general equivalence indexed to abstract labor time, what was in effect socially average human labor time. Exchange-value was a quantitative measure of that abstract time—the average socially necessary time to create commodity X denominated in money. This real abstraction was no one’s invention but was the practical result of exchange—of people’s activity—and thus emerged as a nonconscious result that nonetheless interceded on conscious process. Consequently, real abstraction was for Sohn-Rethel also the precursor to conceptual abstraction, including philosophy, science and mathematics. He writes: **The essence of commodity abstraction, however, is that it is not thought-induced**; it does not originate in ~~men’s~~(people’s) minds but in their actions. And yet this **does not give “abstraction” a merely metaphorical meaning. It is abstraction in its precise, literal sense.** The economic concept of value resulting from it is characterized by a complete absence of quality, a differentiation purely by quantity and by applicability to every kind of commodity and service which can occur on the market. These qualities of the economic value abstraction indeed display a striking similarity with fundamental categories of quantifying natural science without, admittedly, the slightest inner relationship between these heterogeneous spheres being as yet recognizable. While **the concepts of natural science are thought abstractions, the economic concept of value is a real one**. It exists nowhere other than in the human mind but it does not spring from it. Rather it is purely social in character, arising in the spatio-temporal sphere of human interrelations. It is not people who originate these abstractions but their actions. “They do this without being aware of it.”5 The practical rise of a form of abstraction indifferent to particular qualities is key here and is to be understood as a precursor to the content- indifferent abstractions of a variety of types. As Simmel notes in The Philosophy of Money, law, intellectuality, and money “have the power to lay down forms and directions to which they are content indifferent” (441–2). Without doubt, such power informed the racial categories of the Humanism of Ernst Renan, Roger Caillois, and others so brilliantly excoriated by Aimé Césaire in his Discourse on Colonialism. We add here the hypothesis that **the rise of information as the content-indifferent assignation of numerical index to any social relation** whatever, is a development of the abstraction necessary for economic exchange to persist under the intensive “developmental” pressure of global racial capitalism—information is derived from the increasingly complex things that people do through and as exchange and as such is both precursor and corollary to financialization— **the social conditions that sustain what is fetishistically apprehended as “finance capital”** and its seeming capacity to derive wealth from pure speculation and risk management in ways that (incorrectly) appear to be fully detached from labor and labor time. In this light, information reveals itself as **neither naturally occurring nor the creation of anyone in particular**, but, in keeping with Sohn-Rethel’s Marxian formulation of real abstraction, is likewise invented “**behind our backs” as a result of ~~“man’s”~~ “People’s” practical activity**. Information enables a complexification and further generalization of what will turn out to be monetary media, media that would be adequate to, and indeed are adequate (from the perspective of capital) to contemporary forms of exchange—what people do when they interact with one another in what is now the social factory. In brief, information is the extension of a monetary **calculus adequate to the increasingly abstract character of social relations and social exigencies**. It is an interstitial, materially platformed, calculative fabric of abstraction that through its coordinated capillary actions orchestrates social practice and provides interface for the uptake of value production. Once this idea is fully grasped, it becomes pointless to look for any other origin to the information age. Just as for Marx there is not a single atom of matter in exchange value (1990: 138), we say that there is not a single atom of matter in information.6 “All the phenomenon of the universe, whether produced by the hand of man or indeed by the universal laws of physics, are not to be conceived as acts of creation but solely as a reordering of matter” (Pietro Verri 1771, cited in Marx 1990: 133; note 13). Value is the socially valid informing of matter, so too is information. Economy then is society’s matter compiler and, approximately simultaneously with the advent of “man,” “history,” and “the world market,” “exchange value” emerges as a quantitative measure of the social value of material state changes indexed to human labour posited as “abstract universal labour time.” Marx’s famous example of the simple wooden table in Chapter 1 of Capital, which “transcends sensuousness” when leaving the clear-cut framework of use value and becoming a commodity and thus an exchange value, registers as “fetishism,” the “metaphysical subtleties,” “theological niceties,” and “grotesque ideas” (1990: 163), endemic in the table’s computability as value. In brief, just as **discreet states of matter embodying value as a network of commodities** mediated by markets and tied to labor give rise historically to the discrete state machine, otherwise known as the computer, exchange value gives rise to computable information and then to computation itself, becoming interoperable with it. Even before the rise of information proper, **exchange value operates as information** (and thus, necessarily information processing) —and then, as synthetic finance and contemporary forms of computer- mediated accounting and production readily testify, by means of it. Computation is the extension, development, **and formalization of the calculus of exchange value**—the ramification of its fetish character—and becomes in spirit and in practice, a **command control layer for the management of the profitable calculus of value**. Platformed on states of matter, information, not matter but rather difference between and among states of matter, extends, grammartizes, and granularizes the calculus of value regarding the organization of matter. **Commodities and computation thus run the same basic operating system**—state changes in matter driven by human practices—the value of which in any given state is expressed in the context of an informatic network and indexed to labor time. As such, information is the processing power of money itself and is inexorably beholden to abstract labor time and thus to racial capitalism. It is, in brief, an outgrowth of the money form. The cost of computation, the **arrival at a discrete state, is a derivative operation**, indicating an investment, that is explicitly a risk on the future value of an underlier, that is, on value itself. This argument for understanding the social as the ultimate referent and ground for any and all information, further advanced in chapter 1, is not content to serve **as a mere heuristic for cultural theorists to express a modicum of suspicion** with respect to truth claims backed by statistics and information. It is a **thoroughgoing indictment of information as a technique of value extraction**, racialization, and instrumental social differentiation. As a first approximation, actually existing information, like actually existing money, can indeed be said to be the root of all evil—in as much as the fact of its existence is a symptom of a far more complex historical process than what would seem to be discernible from the fact of the coin or the bit. The problem, of course, is that your metabolism (and mine), cannot easily extend into the future without access to both. I develop this idea here to say that everywhere computation operates, so too does racial capitalism—at least until proven otherwise. The repressive apparatus of capital clearly assumes this role for information, even if it does so at a level that most often exceeds ordinary default “human” (white) understanding: **the net result to date of the number crunch of “the world computer**” is a hierarchy of valuations inseparable from the violence of racialization and its attendant dispossession, and inseparable again from what Ruth Wilson Gilmore (2007: 28) in her classic and statistically attuned definition of racism calls “the state-sanctioned or extralegal production and exploitation of group- differentiated vulnerability to premature death.” Today, we argue, no calculation**, networked as it is with the world computer, is fully separable from informatics and its basis in racial capitalism.** We will argue for this logical and also horrific history of abstraction in more detail below as we explore the interoperability of digital systems and their colonization of the semiotic, corporeal and material domains. The global learning curve of revolutionary praxis must attend to this modal innovation of systemic oppression, an oppression which is at once beyond all calculation and one with it.7

#### ICT development is dependent on anti-Black labor practices, material extraction, and environmental destruction.

Noble 16, assistant professor in the Department of Information Studies in the Graduate School of Education and Information Studies at UCLA. (Safiya Umoja, 2016, “A Future for Intersectional Black Feminist Technology Studies”, *Socialist & Feminist Online*, Issue 13.3-14.1, <https://sfonline.barnard.edu/traversing-technologies/safiya-umoja-noble-a-future-for-intersectional-black-feminist-technology-studies/>, accessed 8/26/2021)

\*\*\*note – underlined portion of the card has mention to sexual assault, it will not be highlighted.

The New Scramble for Africa: An Intersectional Analysis of the IT Sector

In the new scramble for Africa’s resources, transnational information and communication industries are racing to control the minerals and land needed for their aggressive expansion and growth—an echo of earlier colonial pursuits by European nations looking to open new markets for cotton and revitalize depressed Western economies.[20] Neocolonial processes remain intact, particularly in places like the Democratic Republic of Congo. That nation’s history of Western plunder began a century and a half earlier, under the rule of King Leopold II of Belgium, when its rubber and ivory resources were extracted for the manufacture of tires and condoms destined for the sprawling automobile and leisure culture of the United States.[21]

Efforts to reclaim autonomy over the Congo and its natural-resource riches were led in part by the pan-Africanist Patrice Lumumba, whose opposition to Belgian and US control of the Congo resulted in his assassination in 1961. This was but one of many efforts to subdue and effectively put down Black liberation movements on the continent of Africa. The foreclosing of African anti-colonial movements by Western state powers was mirrored in the US government’s simultaneously enacted Counter Intelligence Program (COINTELPRO), which systematically assassinated and jailed Black feminist and Black Power liberation and civil rights movement activists in the US from the 1960s to the 1980s. Many of these same strategies are being re-enacted in this historical moment under the USA Patriot Act. The North American activists targeted by COINTELPRO were seeking liberation from interlocking oppressions, and developed relationships of solidarity and mutual aid with many pan-Africanist movements. Since the 1940s, pan-Africanists had been actively engaging in conferences and knowledge production designed to unify the interests of oppressed peoples directly affected by imperialist projects around the globe. This is an important intellectual lineage from which intersectional feminist critiques and activism emerged, their origins evident in the statement issued in 1945 from the Fifth Pan-African Conference:

We condemn the monopoly of capital and the rule of private wealth and industry for profit alone. We welcome economic democracy as the only real democracy. Therefore we shall complain, appeal and we will make the world listen to the facts of our condition. We will fight every way we can for freedom, democracy and social betterment.[22]

These intellectual linkages of critique and resistance demonstrate the connection between colonial projects of the past to the neocolonial, transnational, and neoliberal projects of the contemporary moment. Indeed, the neocolonial projects that fuel extraction industries (and their concomitant environmental and human catastrophes) in places like the Congo today persist in a historical trajectory of global capital’s thirst for expansion at the expense of Black life. Pádraig Carmody details the colonial quest for rubber and ivory in the Congo that led to the slaughter of more than ten million people; Carmody estimates that another three to five million were killed from 1983 to 2003 in wars over minerals and the control of coltan.[23] Coltan, short for columbite-tantalite, is a mineral, more potent than steel which is needed for computers and electronics to release electrical charges in small capacitors.[24] Contemporary global communications infrastructure, including the internet and the billions of devices, appliances, electronics, and “things” connected to it, could not exist without cheap access to coltan. Nevertheless, the bloody “conflict mineral” wars over its control—the rape, violence, and loss of human life involved—are largely invisible byproducts to digital tech users in the West.

In the networked economy of resources needed for global communications infrastructure, Black lives are engaged in some of the most treacherous labor essential to the growth and proliferation of the internet. Capital’s organization in multi-tiered global supply chains[25] obfuscates the direct relationships between Black labor, child labor, civil war, rape, and a smartphone, laptop, or iPad. Electronics companies such as Google, Apple, Dell, Intel, Sony, Nokia, and Ericsson are heavily invested in the computer and electronics hardware manufacturing industries and need raw minerals such as coltan to produce components such as tantalum capacitors for microprocessor chips. But this labor is outsourced, and thus conveniently out of sight and out of mind, going to low-bidders who provide the cheapest labor under favorable neoliberal economic policies. These practices are consistent with other forms of racialized and outsourced internet labor, such as commercial content moderation for large internet companies.[26]

In a transnational and neoliberal context, such practices are not limited to sites located geographically outside the West. David Pellow and Lisa Sun-Hee Park have written a comprehensive study of the underside of Silicon Valley—touted as a panacea of innovation, wealth, and opportunity, when this is the reality only for a choice few.[27] Just as in other areas of the globe, the technology and communications industries headquartered in Silicon Valley achieve their capital accumulation at the expense of overuse and abuse of the environment, gross poverty, and health degradation as they rely on an invisible labor force of immigrants and others living in the transnational, racialized margins:

Power, privilege and wealth are relational, which often means that one person’s riches and leisure time are derived from another’s impoverishment and hard labor; one’s socioeconomic or racial/ethnic group’s access to safe, high-salary jobs and clean neighborhoods is frequently linked to another group’s relegation to dangerous, low-wage occupations and environmentally contaminated communities. This is the essence of environmental racism and environmental injustice: ecological policies and practices are characterized by unfair treatment, discrimination, and oppression.[28]

Intersectional analysis makes these relational elements visible and allows us to trace the connections forged by inequities of wealth and power that bind local communities to others around the globe. Taking an intersectional approach to the internet and its infrastructure bridges the African diaspora, to help us see where and how oppressions are operationalized in similar ways and in the service of shared agents or shared motivations. The internet and its infrastructure are implicated in cases such as the recent public health crisis in Flint, Michigan, where state and corporate abuses, in the interest of multinational companies heavily invested in the technology sector, resulted in poisoned water supplies. The web is functioning as a site of online hyper-surveillance and trolling of Black activists engaged in the #BlackLivesMatter movement in the US and beyond. It is fundamental to Wall Street, where, through the mortgage crisis and Great Recession of 2008, information technology and the gamification of financial markets led to the largest decimation of Black wealth in the history of the United States. It is central to the oppressive working conditions facing Congolese laborers engaged in mineral extraction, in mineral wars, and in creating the greatest site of sexual violence in the world, according to the United Nations. It is evident in the toxic waste sites on the west coast of Africa, in Ghana, where e-waste is shipped in from the West and dumped, poisoning land, water, people, and environments.

These connections need to be made in order to understand the tradeoffs and true costs that come with the overemphasis, financially and in policy, on digital technologies and internet infrastructures. Communications scholar Robert Mejia has critiqued the multiple ways in which electronics and communications devices and infrastructures have material consequences with potent environmental impacts. He notes:

it is imperative that media and cultural studies scholars offer an account of how the 3.7 million gallons of water used per day by Intel in Hillsboro, Oregon, and the millions more used elsewhere, contribute to an ecology hospitable to infectious disease and its natural reservoirs… Knowing that an estimated 632,000 pounds of mercury were disposed of in United States’ landfills between 1997 and 2007, from just discarded personal computers alone, and that about 130 million cellphones are thrown away each year.[29]

The consequences of these ecological disasters are not equitably applied to everyone. The study of the materiality of the internet includes thinking through the specific contexts of who is affected by the social, environmental, economic, and policy arrangements of the digital.[30]

Intellectual investments in thinking of the internet and the digital as disembodied and ephemeral—as if they have no materiality—come at a great cost of erasure and denial. Jean-François Blanchette has written one of the most detailed critical accounts of the development of computing—including the ways in which information is processed, networks are developed and managed, and fiber infrastructure is built and maintained—in order to dislodge the idea that the internet and computing are immaterial or abstract.[31] An intersectional examination of the global information infrastructure underscores that it is predicated upon a complex, globalized, and fundamentally material economy of resource extraction and human labor, from Congolese labor to extract minerals, to Chinese labor working for poverty wages at Foxconn to make Apple’s iPhones, to the exclusion of African American labor from high-wage IT jobs in the United States, to Ghanaians sifting through electronic trash and toxic waste.

#### The new “cold war” battle for tech supremacy with China is a race manufactured to cover up US digital colonialism — only movements against capitalism can reign in US imperialism and prevent the aff’s impact.

Kwet 21, PhD in Sociology from Rhodes University and is a Visiting Fellow of the Information Society Project at Yale Law School (Michael, March 4th, “Digital colonialism: The evolution of US empire,” *The Transnational Institute*, <https://longreads.tni.org/digital-colonialism-the-evolution-of-us-empire>, Accessed 07-08-2021)

A Chinese or US digital empire?

In the West, there is a lot of chatter about “a new Cold War,” with the US and China battling it out for global technological supremacy. Yet, a close look at the tech ecosystem shows that US corporations are overwhelmingly dominant in the global economy.

China, after decades of high growth, generates around 17 percent of global GDP and is predicted to overtake the US by 2028, feeding into claims that American empire is on the decline (a narrative that was previously popular with the rise of Japan). When measuring the Chinese economy by purchasing power parity, it is already larger than the US. However, as economist Sean Starrs points out, this wrongly treats states as self-contained units, “interacting as billiard balls on a table.” In reality, Starrs contends, American economic dominance “hasn’t declined, it globalized.” This is particularly true when looking at Big Tech.

In the post-WWII period, corporate production was spread across transnational production networks. For instance, in the 1990s, companies like Apple began outsourcing electronics manufacturing from the US to China and Taiwan, exploiting sweatshop workers employed by companies like Foxconn. US tech transnationals often design the IP for, say, high-performance router switches (e.g. Cisco) while outsourcing manufacturing capacity to hardware manufacturers in the South.

Starrs profiled the world’s top 2,000 publicly traded companies, as ranked by Forbes Global 2000, and organized them according to 25 sectors, showing the dominance of US transnationals. As of 2013, they dominated in terms of profit shares in 18 of the top 25 sectors. In his forthcoming book American Power Globalized: Rethinking National Power in the Age of Globalization, Starrs shows that the US remains dominant. For IT Software & Services, US profit share is 76 percent versus China’s 10 percent; for Technology Hardware & Equipment, it is 63 percent for the US versus 6 percent for China, and for Electronics, it is 43 and 10 percent, respectively. Other countries, such as South Korea, Japan and Taiwan, often fare better than China in these categories as well.

Portraying the US and China as equal contenders in the battle for global tech supremacy, as is often done, is therefore highly misleading. For example, a 2019 United Nations “Digital Economy” report states that: “Geography of the digital economy is highly concentrated in two countries” — the United States and China. But the report not only ignores factors identified by authors like Starrs it also fails to account for the fact that most of China’s tech industry is dominant inside China, save a handful of major products and services, such as 5G (Huawei), CCTV cameras (Hikvision, Dahua), and social media (TikTok), which also hold large market shares abroad. China also has substantial investments in some foreign tech firms, but this hardly suggests a genuine threat to the dominance of the US, which has a much larger share of foreign investments as well.

In reality, the US is the supreme tech empire. Outside of US and Chinese borders, the US leads in the categories of search engines (Google); web browsers (Google Chrome, Apple Safari); smartphone and tablet operating systems (Google Android, Apple iOS); desktop and laptop operating systems (Microsoft Windows, macOS); office software (Microsoft Office, Google G Suite, Apple iWork); cloud infrastructure and services (Amazon, Microsoft, Google, IBM); social networking platforms (Facebook, Twitter); transportation (Uber, Lyft); business networking (Microsoft LinkedIn); streaming entertainment (Google YouTube, Netflix, Hulu), and online advertising (Google, Facebook) — among others.

The upshot is, whether you are an individual or a business, if you are using a computer, American companies benefit the most. They own the digital ecosystem.

Political domination and the means of violence

The economic power of US tech giants goes hand-in-hand with their influence in the political and social spheres. As with other industries, there is a revolving door between tech executives and the US government, and tech corporations and business alliances spend a great deal lobbying regulators for policies favorable to their specific interests — and digital capitalism in general.

Governments and law enforcement agencies, in turn, form partnerships with tech giants to do their dirty work. In 2013, Edward Snowden famously revealed that Microsoft, Yahoo, Google, Facebook, PalTalk, YouTube, Skype, AOL, and Apple all shared information with the National Security Agency via the PRISM program. More revelations followed, and the world learned that data stored by corporations and transmitted over the internet is sucked into enormous government databases for exploitation by states. Countries in the South have been targets of NSA surveillance, from the Middle East to Africa and Latin America.

Police and the military also work with tech corporations, who are happy to cash fat checks as providers of surveillance products and services, including in countries across the South. For example, through its little-known Public Safety and Justice Division, Microsoft has built an extensive partnership ecosystem with “law enforcement” surveillance vendors, who run their tech on Microsoft cloud infrastructure. This includes a city-wide command-and-control surveillance platform called “Microsoft Aware” that was purchased by police in Brazil and Singapore and a police vehicle solution with facial recognition cameras that has been rolled out in Cape Town and Durban, South Africa.

Microsoft is also deeply involved with the prison industry. It offers a variety of prison software solutions that cover the entire correctional pipeline, from juvenile “offenders” to pretrial and probation, through jail and prison, as well as those released from prison and put on parole. In Africa, they partnered with a company called Netopia Solutions, which offers aPrison Management Software (PMS) platform that includes “escape management” and prisoner analytics.0

While it is not clear where exactly Netopia’s Prison Management Solution is deployed, Microsoft stated that “Netopia is [a Microsoft partner/vendor] in Morocco with a deep focus on transforming digitally, government services in North and Central Africa.” Morocco has a track record of brutalizing dissidents and torturing prisoners, and the US recently recognized its annexation of Western Sahara, in contravention of international law.

For centuries, imperial powers tested technologies to police and control their citizens on foreign populations first, from SirFrancis Galton’s pioneering work on fingerprinting applied in India and South Africa, to America’s combination of biometrics and innovations in managing statistics and data management that formed the first modern surveillance apparatus to pacify the Philippines. As historian Alfred McCoy has shown, the collection of surveillance technologies deployed in the Philippines offered a testing ground for a model which was eventually brought back to the United States for use against domestic dissidents. Microsoft and its partners’ high-tech surveillance projects suggest that Africans continue to serve as a laboratory for carceral experimentation.

Conclusion

Digital technology and information plays a central role in politics, economy, and social life everywhere. As part of the American empire project, US transnational corporations are reinventing colonialism in the South through their ownership and control of intellectual property, digital intelligence, and the means of computation. Most of the core infrastructure, industries, and functions performed by computers are the private property of American transnational corporations, who are overwhelmingly dominant outside US borders. The largest firms, such as Microsoft and Apple, dominate global supply chains as intellectual monopolies.

An unequal exchange and division of labor ensues, reinforcing dependency in the periphery while perpetuating mass immiseration and global poverty.

Instead of sharing knowledge, transferring technology, and providing the building blocks for shared global prosperity on equal terms, the rich countries and their corporations aim to protect their advantage and shake down the South for cheap labor and rent extraction. By monopolizing the core components of the digital ecosystem, pushing their tech in schools and skills training programs, and partnering with corporate and state elites in the South, Big Tech is capturing emerging markets. They will even profit from surveillance services provided to police departments and prisons, all to make a buck.

Yet against the forces of concentrated power, there are always those who push back. Resistance to Big Tech in the South has a long history, dating back to the days of international protests against IBM, Hewlett Packard, and others doing business in apartheid South Africa. In the early 2000s, Global South countries embraced Free Software and the global commons as a means to resist digital colonialism for a while, even if many of those initiatives have since faded. In the last few years, new movements against digital colonialism are emerging.

There is much more going in this picture. An ecological crisis created by capitalism is rapidly threatening to permanently destroy life on Earth, and solutions for the digital economy must intersect with environmental justice and broader struggles for equality.

To stamp out digital colonialism, we need a different conceptual framework that challenge root causes and major actors, in connection with grassroots movements willing to confront capitalism and authoritarianism, American empire, and its intellectual supporters.

#### The United States is a revisionist power. Concerns of Chinese tech dominance are rooted in orientalist Sinophobia.

**Nair 18** , founder and CEO of the Global Institute For Tomorrow (GIFT), an independent think tank based in Hong Kong. (Chandran, 12/21/2018, “Why Asia Should Be Worried By America’s Bullying of China,” *The Diplomat*, <https://thediplomat.com/2018/12/why-asia-should-be-worried-by-americas-bullying-of-china/> Date Accessed: 3/19/2021)

Imagine a scenario where a senior American business executive is suddenly detained overseas, at the behest of the Chinese government, which accuses him or her of violating its national security. American and Western media would undoubtedly express outrage and have a field day bashing China.

Yet when the equivalent happened last week with Canada’s detention of Huawei’s chief financial officer, Meng Wanzhou, on behalf of the United States, questions about the arrest’s legitimacy, or the presence of political motives behind it, were largely absent.

This is not to argue that Meng is completely innocent of breaking American law. But it is important to note that the right to this extraterritorial behavior is asymmetric: only the United States is allowed to wield it “legitimately.” No other country, such as Malaysia, which is trying to recover 1MDB-related money from Goldman Sachs, can dare to act in this way. If other nations tired of U.S. judicial bullying – and there are many – start to retaliate by detaining Americans and citizens of its Western allies, things could become very messy, very quickly.

But Meng’s arrest leads to a different question. Despite protests to the contrary, the United States made a choice to escalate tensions by taking this action. Why?

Some have connected Meng’s arrest to the wider trade tensions between China and the United States. Huawei had already been accused by Western politicians of being a front for the Chinese government, and it has been denied access to Western markets. Given that technology is one of the few areas where the West is still clearly dominant, people have viewed this pressure as strategic economic leverage.

But this misses a more fundamental cause for the worries about China, which now spread beyond trade and economics. Articles about China’s technology and surveillance, such as its “social credit system,” worry about a techno-dystopia, despite similar surveillance being done in Western countries (and by their own tech companies). The United States has expressed concern about the activities of university students from China, while Australian politicians have spent months debating “foreign influence” in their domestic politics: a rather poorly veiled reference to China.

A good case study is Google’s cancelled re-entry into China with a Chinese-compliant version of Google search. This was met with controversy both by Western media and Google’s own employees. This is partly the company’s own fault, due to its loud and public withdrawal from China almost 10 years ago. But similar concessions by Google in smaller countries have not sparked such controversy; only China has. Interestingly, a Chinese version of Google might actually be of value to Chinese people, as local search engines like Baidu have been plagued with scandal, hoaxes, and frauds. But the fear that Western observers have about China means that this benefit could be denied them.

One could argue that this is part and parcel of the usual geopolitical conflict between an incumbent power and a rising one, or that they are merely representations of how the economic relationship between China and the West continues to change.

But the source of suspicion is deeper and often not spoken about. For a long time, “American exceptionalism” (and “Western exceptionalism” in general) has been based on the idea that the American or Western culture, way of life, and values are superior. One could perhaps see racial supremacist undertones in these beliefs as well. After all, these were the same sentiments that permeated the colonial era and were used to explain away or justify the shameful excesses of colonialism.

It is clear that neither the United States nor Europe is mentally prepared for the prospect of another country, especially a non-Western one, being successful, let alone overtaking the West. This is particularly true for China: a country long viewed as backward but which has now succeeded while following its own political, economic, and cultural model. For the first time in two centuries a non-Western nation with a wholly different political system is challenging the West, and this is causing great anguish.

“American exceptionalism” is threatened when a country with different values does well. We first saw this in the 1980s: anti-Japan sentiment was sparked when Japanese companies started to buy American cultural symbols. This worry was reflected in American popular culture, best shown in any depiction of an American future dominated by Japanese companies. But this sentiment was nowhere near the level we can see today regarding China. Even the most liberal of Western media outlets have found it near impossible to portray China in a balanced way, finding it difficult to remove their inherent comfort with deep-rooted Western ideas and framings, and to confront their own prejudices.

The United States and the West by extension cannot accept China’s success on its own terms and this permeates almost all segments of society. This is one issue on which there is bipartisan support in the United States. The fear of China and the rest is real. They cannot just accept that China’s success says nothing about how Western countries should govern themselves. Instead, China’s model must be proven incorrect, by ignoring its successes in poverty reduction, education, and economic development and focusing on other issues.

There are hard lessons and warnings for here for developing countries, especially large ones finding their rightful place in the community of nations. People assume that the rise of other large developing nations, such as India, Indonesia, or Nigeria, will not be as disruptive as China’s, perhaps due to the belief that they would “balance” China or would not threaten to disrupt the international order. But this betrays a Western need to oppose China at all costs. Other countries need to be aware that they might be next if they begin to demand a say in world affairs. A rising India could be next.

If the roots of American-Chinese tensions come from something other than just geopolitics or economics, then the ascent of these large developing countries may not be as smooth as they hope. This would be due to the Western, U.S.-led opposition to the “rise of the others,” something the world has not seen in over two centuries. It is this that could well define and shape geopolitics in the 21st century. Denying that this sentiment exists and drives foreign policy would be to play into the hands of those who wish to preserve a Western world order at all costs.

One question many Americans asked themselves in the aftermath of the September 11 attacks was “Why do they hate us?” One wonders if people in China are asking themselves the same thing. They may not like the answer they get back.

#### High speed code development requires modularity that encodes racism into the world computer. That automates genocide and sustains systems of apartheid and settler colonialism.

Beller 21, Professor of Humanities and Media Studies and Critical and Visual Studies, Pratt Institute, Brooklyn NY. (Jonathan, February 2021, *The World Computer: Derivative Conditions of Racial Capitalism*, 92-95 Duke University Press) \*\*strikethrough and brackets modify offensive language

In the context of the machinic absorption of forms of human being and human exploitation, Tara McPherson (2012) has brilliantly argued that the modularity achieved in the development of UNIX has its analog in racial segregation. Modularity and encapsulation, necessary to the writing of the UNIX code that still underpins contemporary operating systems, were emergent, general sociotechnical forms, what we might call technologies, abstract machines, or real abstractions. “I am not arguing that programmers creating UNIX at Bell Labs and at Berkeley were *consciously* encoding new modes of racism and racial understanding into digital systems,” McPherson argues. “The emergence of covert racism and its rhetoric of colorblindness are not so much intentional as systemic. Computation is a primary delivery method of these new systems and it seems at best naïve to imagine that cultural and computational operating systems don’t mutually infect one another” (30-31).

This is the computational unconscious at work—the dialectical inscription and reinscription of sociality and machine architecture that then becomes the substrate for the next generation of consciousness, ad infinitum. In an unpublish paper entitled “The Lorem Ipsum Project,” Alana Ramjit (2014) examines industry standards for the now-digital imaging of speech and graphic imagines. These include Kodak’s “Shirley cards” for standard skin tone (white), the Harvard Sentences for standard audio (white), the “Indian Head Test Pattern” for standard broadcast image (white fetishism) and “Lenna,” an image of Lena Soderberg taken from *Playboy* Magazine (white patriarchal unconscious) that has become the reference standard image for the development of graphics processing. Each of these examples testifies to an absorption of the sociohistorical at every step of mediological and computational refinement (Roth 2009).

More recently, as Chris Vitale (2015) brought out in a powerful presentation on machine learning and neural networks given at Pratt Institute in 2015, Facebook’s Machine has produced “DeepFace,” an image of the minimally recognizable human face. However, this ur-human face, purported to be the minimally recognizable form of the human face, unsurprisingly turns out to be a white guy. This is a case in point of the extension of colonial relations into machine function. Given the racialization of poverty in the system of global apartheid (Federici 2012), we have on our hand (or rather, in our machines) a new modality of automated genocide. Fascism and genocide have new mediations and have not just adapted to new media but have merged. Of course, the terms and names of genocidal regimes change, but the consequences persist. Just yesterday it was called neoliberal democracy. Today it’s called the end of neoliberalism. The current worldwide crisis in migration is one of the symptoms of the genocidal tendencies of the most recent coalescence of the “practically” automated logistics of race, nation, and class. Today racism is at once a symptom of the computational unconscious, an operation of nonconscious cognition, and still just the garden variety self-serving murderous willed ~~stupidity~~ [absurdity] that is the legacy of slavery, settler colonialism, and colonialism.

Thus we may observe that the statistical methods utilized by IBM to find Jews, ~~Gypsies~~ [Romas], and queers in the shtetl are operative in Wiener’s antiaircraft cybernetics as well as in Israel’s Iron Dome missile defense system. The prevailing view, even if it is not one of pure mathematical abstraction, in which computational process has its essence without reference to any concrete whatever, can be found in what follows. As an article entitled “Traces of Israel’s Iron Dome Can Be Found in Tech Startups” for *Bloomberg News* almost giddily reports: “The Israeli-engineered Iron Dome is a complex tapestry of machinery, software and computer algorithms capable of intercepting and destroying rockets midair. An offshoot of the missile-defense technology can also be used to sell you furniture (Coppola 2014).11

Not only, it seems, is war good computer business, it’s good for computerized business. It is ironic that the Iron Dome is likened to a tapestry and now used to sell textiles—almost as if it were haunted by Lisa Nakamura’s (2014) recent findings regarding the (forgotten) role played by Navajo women weavers in the making of early transistors for Fairchild, the eerily named company of Silicon Valley legend and founding father—as well as infamous eugenicist—William Shockley. The article goes on to confess that the latest consumer spin-offs, which facilitate the real-time imaging of couches in your living room and drive sales on the domestic front, exist thanks to the U.S. financial support for Zionism and its militarized settler colonialism in Palestine. “We have American-backed apartheid and genocide to thank for being able to visualize a green modern couch in our very own living room before we click ‘Buy now.’” (Okay, this is not really a quotation, but it expresses the essence of the article.)

Census, statistics, informatics, cryptography, war machines, industry standards, markets—all are management techniques for the organization of otherwise unruly humans, subhumans, posthumans, and nonhumans by capitalist society. The ethos of content indifference, along with the encryption of social difference as both mode and means of systemic functionality, is sustainable only so long as derivative human beings are themselves rendered as content providers, body and soul. But it is not only tech spin-offs from the racist war dividends that we should be tracking. Wendy Hui Kyong Chun (2004) has shown in utterly convincing ways that the gendered history of the development of computer programming at ENIAC (Electronic Numerical Integrator and Computer), in which male mathematicians instructed female “computers” to physically make the electronic connections (and remove any bugs), echoes into the present experiences of sovereignty enjoyed by users who have, in many respects, become programmers (even if most of us have little or no idea how programming works, or even what we are programming).

#### Risk management induces volatility upon billions to produce stability for the security state and capitalism. That ensures extinction by warming.

Beller 21, Professor of Humanities and Media Studies and Critical and Visual Studies, Pratt Institute, Brooklyn NY. (Jonathan, February 2021, *The World Computer: Derivative Conditions of Racial Capitalism*, 46-47 Duke University Press)

Innovation organized by entrepreneurs of the self, of the cyberself, creates possibilities for arbitrage on those super-sets of labor-time, attention and life-time; and all the while, everyday risk management is underpinned and indeed anchored by the calculus of genocide. From the binary of the A-bomb to IBM’s punch-carding of the Nazi Holocaust, from the calculus of sovereign debt to that of social media, the lives of people (in Nagasaki, in Auschwitz, in Furguson), become the substrate that registers the meaning of the compute—at least the meaning as far as they may have been concerned. So many are posited as but renewable pawns in an endless game, and the game goes on. Dispossession and genocide, and the capacity to wreak these, guarantee the liquidity of the financial system by guaranteeing that there will always be some billions willing or forced to do anything for its money and the access to information, to informed matter and therefore to life that it provides. In our era, we see clearly that, under capital, the “stability” imposed by systemic integrations and its programs of finance, surveillance, security, mediation, and so on produces ever greater volatility, and we see that this volatility risk can be bought and sold; it can be cut up, bundled, bought, and resold, priced as content-indifferent numbers based upon volatility indices. Meanwhile the markets roil, dispossession rages, and the planet boils.

As history could confirm, by the mid-twentieth century, the complexity of the techniques for the management of societies, from markets to warfare, from media to cybernetics, and now from social media to the derivatives created by synthetic finance, all required discrete state machines to store and manage the pertinent inventories, schedules, and programs--their valuable information. Though usually thought of as properly belonging to the history of science, communication, mathematics, or computation, the socioeconomic endeavors composing the history of the discrete state machine and its ever more supple functionality are to be thought as part of the increasing complexity of capitalist abstraction and thus the abstraction of social relations. They are the elaboration of real abstraction, the expansive formalization of the field of exchange taking place “behind the backs” of living people. These socioeconomic endeavors such as Google, Facebook, the security state, are the effective occupation of the space and time at all scales by the logistics of exchange and its expanding field of production.

Datalogical representation is already risk management. Management, efficiency, optimization; Foucault’s entrepreneur of the self; and even Brian Massumi and Erin Manning’s “more than human of the human” all recognize a technological paradigm of control operating in and through (and as) the individual (Massumi 2018). We may also observe that the techno-logic of capitalism built upon efficiency—the maximum exploitation of the laboring substrate to meet the demands of the falling rate of profit—prevails across all organizational scales, from the individual to the laboratory to the university to the jail, the township, the state, and the nation-state. In “cultural” spaces, representative agents (a.k.a. subjects) manage and aggregate resources, offering themselves as profiles or brands that are themselves not only marketable, but marketable as derivative exposure to their underliers: their audiences, networks, assets, and currencies. I “friend” you to add you to me, to gain exposure to your network, to add you to my portfolio I am an “influencer.” “Culture,” too, understood as a semi-autonomous domain separable from materiality and technology, can today only be a fetish—another case of platform fetishism—because the generalization of computing means that culture as the connective, communicative tissue of the sociosemiotic is ever more subject to the granularization and grammartization of commodification on the “object’ side (and, its other aspect, the fractalization of fascism on the “subject” side) in what, from a global standpoint, is a racial capitalist sociocybernetic bio-techné. Such is “culture” today—an expression of an overall informationalization of social relations subject to historically imposed computability. Cultural form, computable because inseparable from computation, heretofore always a way of connecting to (or disconnecting from) a multiplicity of networks, is now itself a derivative—a social derivative. Its derivative condition explains what was known as “the postmodern condition,” and is instituted by the universal expansion of the factory code toward the total colonization of space, time, representation, and mind: sociality itself in the largest sense.

That the principles of the ordination of matter, being, time, and value by number (or of publics by statistics, and/or of opinions by likes) were perceived to be universal, that is, generally applicable to all phenomena, was more than convenient. It was, as we have said, colonial. It was racializing and gendering. It was capacitating and maiming (Puar 2017). The math, though famously “content-indifferent,” was never value free. Nor were the devices, from desktops to mainframes, from bombers to smartphones, that it spawned. As Diane Nelson (2015: 56) writes in *Who Counts?*, her astonishing ethnography of Mayan number systems and genocide and, also and as importantly, her scathing ethnography of western mathematics and genocide, “Double-entry bookkeeping is also an ‘ethnomathematics,’ but one with an army.” Double-entry bookkeeping was also a proprietary technique; its truth claims, in the form of accounts, implied pathways of control and functionality that served as conduits for capitalization and colonization. It was a system of representation that repressed noise (context) to clearly resolve the value signal called price in a calculus of profit and loss. In our own period, where we see very clearly (simply by looking at the business pages or, for that matter, the culture pages in any newspaper) that contemporary global capitalism is in lockstep with computation, we might expect that the politico-economic meaning of computation as an emergent order of proprietary organization is becoming clear. As new and powerful terms such as *platform sovereignty* (Bratton 2016), *algorithmic governance,* and *the society of metadata* or “*metadata society*” (Pasquinelli 2018) indicate, it appears that it is the information itself that has (or indeed is) value. But the argument here is that it is only valuable within the framework of computation, and indeed within the framework of computational racial capital—at least thus far. Information is the result of that framework; it is an ethno-graphic (not just anthropocentric) instantiation composed from, in, and on states of matter. The framework, a computational infrastructure that is also primarily fixed capital, emerges in conjunction with the myriad phenomena that are now treated informatically; the apparatus is the other side of the supposedly raw material of information. Information is and can only be a relation. The clear implication of this argument is that, just as a DVD presupposes a technical world that can record it and make it play, the very presence of “information” implies the background armature of computation as a mechanism of perception and organization that is fundamentally social and historical. This background armature of perception and organization further indicates the background armature of racial capital as the primordial condition—the meta-machine architecture—of the present system of accounts. We note, and not only in passing, that this way of narrating the epic poem of AI puts anti-Blackness, slavery, settler colonialism, indentured servitude, imperialism, sexism, proletarianization, racial capitalism, and the active organization of oppression for profit at the epistemic center of a computer that could be called world history. It is computation that perceives information, and it is capital expansion that requires the perceptual-instrumental process endemic to quantification, digitization, and computation. The entire system has its conditions of possibility and derives both its significance and its character from the history of capital accumulation, that is itself theft and only theft, and which is, to defer again to the chorus: colonialism, slavery, white heteropatriarchy, imperialism, globalization, financialization, and genocide.

**The alternative is to reject the affirmative in favor of a cognitive strike. Refusal is a creative act that enables us to reimagine cybernetic forces of racial capitalism and create space for communist solidarities. We control uniqueness – capitalism is creating ongoing Armageddon.**

Beller 21 (Jonathan Beller = Professor of Humanities and Media Studies and Critical and Visual Studies at Pratt Institute, “Introduction:  The Social Difference Engine and the World Computer,” in *The World Computer: Derivative Conditions of Racial Capitalism*, Duke University Press, pp. 183-189 BEH)

Given the sea change in the nature of **languages and images** themselves— their wholesale transposition and transformation from a means of **representation to a means of production**— the difficulty here is both with the substrate of communication (its bits) and with the us- versus- them perspective: we want to ban advertisers, but today we must also confront the disturbing possibility that we are them. Remember, “they” **program** “our” language and “our” imagination, “we” speak **“their” thought**— indeed, that is our work, or rather our labor. What to do with the fact that “we have seen the enemy and he is us?” One could say, one could want to say, “I don’t care who you are: if you live in the first world, if you live in the Global North, then fuck you! You ain’t no victim, even if you’re sick.” But who would be saying that? Probably some other Northerner, writing about how culture or the Venice Biennale, as if it were, could or should be more than a lavish spectacle of global suffering staged for a cosmopolitan elite. As capital’s nations, banks, armies, schools, languages, newspapers, and films did to its colonies and colonial subjects, the current **institutions from states to computer**- media companies do to “us”: they command us to make ourselves over **in capital’s image** for their own profit through networked strategies of **expropriation and dispossession**. “We” do it to ourselves, and our representations of **self and other are designed to sell** a version of ourselves back to ourselves so that we can perform further work on what is now the raw material for the next iteration of images. Therein lies our ontological lack, an ontological lack of solidarity and of even the possibility for solidarity. Therein lies the desire for and indeed necessity **to become a plantation manager** — the word is overseer. Though it is beyond the scope of this essay, this digital neocolonialism that practically commands global Northerners to in one way or another accept Nazism and genocide with their cappuccino could be understood as being on a continuum with the internal colonization of Europe by the German banks— which depends of course on the **distributed production of a kind of neoliberal “realism**” that Mark Fisher (2009) called “**capitalist realism,”** and was only ever a hair’s breadth away from fascism. This fact of our investment in and by advertising, the conversion of the sign to what I call the “advertisign,” poses a genuine problem for theory— indeed an unprecedented one. This problem is particularly evident considering the material conditions (class, nationality, education, race, language, et c.) of the participants in the would-be counterhegemonic theoretical discussions of culture and policy that presuppose the books, computers, schools, and institutions that sustain these. Those within the circuit of these discussions have already passed through a homogenization process which **programs them in compatible systems languages**. **Without submitting ourselves** and our own aspirations to radical critique, without conducting a Gramscian inventory of our ostensibly internal constitutions, we run the risk of merely trying to set up a **competing corporation** with a new business model. The revolution will not **be televised**; decolonization **will not be a brand.** Any would-be anticapitalist “we” runs this risk of coopting and cooptation from the get-go, particularly if it does not think about the materiality of **social production** from top to bottom: class, yes, but also race, nation, gender, sexuality, ability, geolocation, historical stratification. The world’s postmodern poor, the two billion– plus living on two dollars a day, also lab or to survive in the material landscape organized by the post- Fordist social factory its **anti- Blackness, its Islamophobia, its endless and mutating racism** and imperialism. However, from the standpoint of capital, **the role of those at the bottom is to serve as substrate** for image- production and semiosis; not only in factories, cottage- industries, subsistence farming, and informal economies, but also as starving Advertisarial Relationshordes; “irrational,” criminalized or surplused populations; subject- objects for policing, encampment, and bombing; desperate refugees; and even as voids in the idea of the world—as sites of social death. Forgive me, but I’d wager that no one capable of understanding these words can claim full exemption from the indictment they issue regarding structural complicity with the production and reproduction of everyday life. Humans **are troped (via discourse and the screen) to organize military production**, national policy, internment camps and prisons, bourgeois imaginations, museum shows, corporate strategy, and market projections. Let us clearly state here that **any program** that does not admit this excluded **planet into dialogues** **that vitiate** the **monologues imposed by capitalist** informatics and advertisigns is still floating in the realm of the ruling ideas **and therefore participant in murder.** These ruling ideas are the ones whose density and weight, whose material support and very machinery, threaten to further crush the late- capitalist poor out of not just representation but out of existence. This erasure and disposability, imposed by systems of informatic inscription designed to absorbe very output of sense, is the achievement of the advertisarial relations endemic to computational racial capitalism. When information is an advertisement for itself that presupposes the operating system of the world computer as virtual machine, **banning what we recognize as advertising on the internet, even if an excellent beginning,** is just not adequate to address these issues of representation, social justice, planetary and climate racism, and emancipation. To summarize: the forms of sociality which are the conditions of possibility for the online, informatically organized r elations— best characterized as advertisarial — run through e very sector and register of planetary life. The internet, while recognizable as an effect and a cause of the current form of **planetary production and reproduction**, cannot be considered in isolation as a **merely technical platform or set of platforms if its historical role is to be properly understood.** To take the internet as an autonomous technological force results in a species of platform **fetishism that disavows both the histories and material conditions** of its emergence, conditions that are, in short, those of screen culture and racial capitalism; this is to say that it, the internet, is the very means by which the capitalist suppression of global democracy (which is emphatically, economic democracy as well) has been accomplished and continues. If the internet is autonomous, it is because it expresses the autonomization of the value form. As noted previously, **with the hijacking of communications** and **semiotic infrastructures** by racial capitalism, the medium is the message and **the message is murder.** To ban advertising on the internet would be a good start— but what if the whole thing is advertising? **One reading of** what I have said thus far might suggest that, giv**en the expropriation of the cognitive- linguistic, our volition is overtaken by capital logic;** and given our inability to cogitate in any way that is genuinely resistant to capitalist expropriation, coercion, strictly speaking, **is no longer necessary to impose cooperation for capitalist production.** We “want” to cooperate productively, our desire— which, from the dispossession of even language and mind constitutes ourselves as subjects in the media ecology of the capital is t technical image, that is, in and through the organization of digital information—**is itself an iteration of capital, a script of becoming predestined to become capital**. The old language scored by the new image machines and their extractive algorithms locally organizes cooperative subjects who want to cooperate with vectoral capitalization. **We want to provide content in order to derive currency and survive.** Our solidarity on the internet produces more internet. Thus, in a certain way— and particularly since **we no longer properly have any thoughts of our own—we all collaborate in a world organized by images and screens, thereby participating more or less mindlessly in the seamless realization and triumphant apotheosis of the programming business.** However, I am sorry to have to report that the dystopian vision **here is not quite as bucolic as even this** already dreary picture of unwitting and irredeemable pulverization and servitude. While I do see that representation and semiotics have been increasingly flattened à la Orwell and Marcuse by a vast internalization of the apparatuses of oppression ( in which “**thought” is the** [productive] thought **of the [capitalist**] Party and “**repressive desublimation**” is an engine of capitalist- fascist **production)** the “old problems” like the hierarchy of class have not gone away; neither have racism, sexism, homophobia, transphobia, ableism, and fascist nationalisms ceased playing their roles to create vectors of privilege for white male– identifying aspiration. Indeed, most thought today, such that it is, is all about maintaining hierarchical society. **The thinking runs thus**: capital is nature, capital is eternal, capital is information is nature. Or, in a more pedestrian mode: **human beings are naturally acquisitive and competitive**, economic growth and technological advancement mean progress, **this tech provides**, **or almost provides,** a color- , gender- , and religion- blind society, and so on— and one must advance one’s place in it by any (crypto- or not- s o- cryptofascist**) means necessary.** Of course, there exists better thinking out there. Mia Mingus: “As organizers, we need to think of access with an understanding of disability justice, moving away from an equality based model of sameness and ‘we are just like you’ to a model of disability that embraces difference, confronts privilege and challenges what is considered ‘normal’ on every front. We don ’t want to simply join the ranks of the privileged; we want to dismantle those ranks and the systems that maintain them” (Mingus 2011, cited in Puar 2017: 16). However, there is **broad- band, ambient programming that facilitates assuming neo- liberal** and full-on **fascist subjective sovereignty**. This programming seeks triumphant brushes with plenitude (communion with the big Other, as distinct from the racial or otherwise other, becomes the ego- ideal) , and this same programming is violent, competitive, hateful, mean- spirited, and alienating when embraced—at the same time that it is also cooperative, simpering, and abject. Servitude, even when automatic and mostly unconscious, is unhappy and, as we can see any day from the daily news, utterly pathological and sick. Of course, this diagnosis represents a huge generalization, but despite its broad-brushing lack of subtlety we may find that such a schizoid oscillation between entitled adjudicator and abject supplicant sums up the contours of your average reality televisions how or comments section on YouTube. It is Bateson’s (2000) and Deleuze and Guattari’s (1977) schizophrenic, caught in the double- bind, who has become the capitalist norm— the one who struggles to negotiate in the form of contradictory signals the aporias of hierarchical society, while reproducing it, and all the while experiencing their own psychic dissolution as an injunction to create. 3 With this schizoid capture in mind, let me then develop my question about the internet— “ What if it is all advertising?”—in the framework of post- Fordist production. The argument is that, in the context of virtuosity and the expropriation of the cognitive- linguistic by computational racial capital, sociality itself has become advertisarial, a ceaseless waging of capitalized exploits designed to garner attention and value for oneself and one’s capitalistic. This situation represents— indeed imposes— a derivative logic, a logic **in which every action** is a hedge, a kind of risk management devoted to maximize a return. In addition to the fractalization of fascism, in which agency is manifest as a profile that has aggregated the attention of others, advertising has worked its way into the sign itself, into the image, and into data visualization, and it has generated the advertising . All signs become points of potential cathexis, derivative positions on the underlier that is social currency and ultimately value. This new type of sign is not simply the brand but also an element of vectoral language (Wark 2007): functionalized words in a production channel, engaging in the micromanagement of desire, the production of new needs, and the capturing of the imagination, all in order to induce linguistic and behavioral shifts in the attention of others while aggregating their attention for oneself— t urning their heads with an interface. This combination of the manipulation of market conditions (that is, everyday life) through techniques of risk management is no longer merely the province of advertising but of so- called tuman interactivity 188 Chapter 4(what was once just communication and before that culture), now become adversarial through and through. From Smythe’s claim in the “Blindspot” essay (1977) that all leisure time has become lab or time, to Virno’s (2004) notion of virtuosity, we have seen aspects of this model for the capitalist overdetermination of apparently unremunerated time before. However, here— with the financialization of expression—we clearly grasp that the financialization of everyday life means also the convergence of semiotics and financial derivatives. Given the thoroughgoing intensification of vectoral, and in fact matrixial, signs, we need to investigate its implications in the context of a discussion of radical media practice. I will make two additional points here before shifting gears and turning at the end of this chapter to what I identify as an aesthetics of survival—an aesthetics that emerges from within the matrix of adversarial, schizoid capture. The final chapter of this volume will endeavor to extend aspects of such socio aesthetic forms, those resistant to computational racial capitalism, to new notions of radical finance and the possibility of platform communism. If, as was already becoming true in the cinematic mode of production, the dominant means of representation have become the dominant means of production, the questions of and models for political agency are radically transformed, and the urgent need to decolonize communication and decolonize finance presents itself. Future communication will require a cybernetic approach, and, as wes hall argue, this cybernetic approach will necessarily be financial, though it will be reaching toward a different order and different mode of production. Like communism, because it will need to be communist, it will see economic transformation of the material relations of production and reproduction as essential to the revolution. It will draw on the repressed and extracted cognitive- linguistic resource of the racialized and other wise marginalized and configure ways to make our voices matter both as meaning and as tools for the reorginzation of the material world and the social relations therein prescribed. Language and images are neither inside nor outside; they are part of the general intellect— currently they are at once media of thought and of capital. We also know that languages and images are not isolable, meaning that they are not and have never been stand- alone entities but rather exist in relation to their media, their platforms, which are again inseparable from society and its institutions. Furthermore, each platform relates to another platform. Paraphrasing McLuhan, we could even say that the “content” of a media platform is another platform. Thusly the general intellect is inseparable from its media platforms and their financials. We see that the general intellect, once largely held in common, is increasingly being privatized; the very media of our thought belong to someone else . This expropriation of the media commons is precisely the precondition of the real subsumption of society 189 Advertisarial Relationsby capital. It is an extension of the ongoing expropriation begun by primitive accumulation and money as capital, and it has been accomplished through the financialization of media as platforms of extraction. The ramification of mediation by computation and information has resulted in its convergence into formats offering derivative exposure to underliers that are the expressive vitality and futurity of our communication. We therefore no longer have any organic relation to the materials for thought itself (sincerity has become a myth, at least in the medium- term of most circles)— t he words, images, and machines we require to think, to express ourselves, to interact, and to know have been ripped from the species and privatized via the longue durée of dissymmetrical exchange. We work on the words and images, but as numbers they belong to someone else. The media themselves have become forms of capital— forms of racial capital— and our usage of these media means that we work to add value that valorizes capital, for the capitalist and within a relation designed as much as possible to guarantee that our creative acts necessarily occur as dissymmetrical exchange with capital. I write this book in a discourse that does not just not belong to me because it is shared, but in a discourse that is increasingly the property of a set of institutions— publishers, journals, universities— that all have their eye on the bottom line. The means by which we most intimately know the world, ourselves, and our desires (our images and words) are themselves vectors of capitalization intent upon converting our very life- process into surplus value (which is to say value for capital). We need strategies that will seize the means of production and create a reverse subsumption of affect, intellect**, knowledge**, **capability, communication, and community.** When all media have converged as economic media, it is **economic media that must be re- engineered**. When all media have converged as economic media, it is economic media that must be re- engineered. Again, I think this subsumption of cognitive and affective capacity, the quasi-automating (scripting) of productive labor for capital, is what Stiegler means by the proletarianization of the nervous system—which would include the proletarianization of the pathways of feeling and thought. Our affective capacities are put to alienated and alienating work in the social factory, and their product too is alienated, producing ever-intensifying and ever-accumulating dispossession and disempowerment as the dialectical antithesis of its simultaneous production of unprecedented wealth and power for the cyborg avatars of the great media conglomerates. Intellect and emotional intelligence, the product of thousands of years of species- becoming, is being strip-mined so that extraction machines may continue their furious innovation to further discount people. I write this book aware of the pressure to think it just right, to at once extend thinking in order to command attention and produce new needs, but also to delimit it, to control myself, and to put the reins on whatever counterpower may rage within my body, because academia can tolerate only so much “bullshit” and no more. Yes sir, I’ll be careful not to cross that line, but a word to the woke: the bullshit is the best part. From a historical perspective, this encroachment on the means of representation—that Banksy and I and a billion others join the silenced majority in opposing—indicates that the individual subjective agent, itself a platform for sociality that developed with the rise of capitalism (as the subject who relates to other subjects in the market, the bearer of the commodity and thus its thought), is nearly **defunct.** As has been noted previously, in a world where life processes are stripped, ripped apart, rebundled, and sold as derivative exposures, the individual subject is an outmoded technology despite the fact that it still appears as a skeuomorph in certain updated technosocial apparatuses—like the latest forms of films, games, influencers, and versions of national politics that proffer invitations to momentary individualistic identification for the dividual purpose of providing a sense of familiarity and orientation. While palliative for some in small doses, such individuality is no longer a viable (which is to say, sustainable) fantasy. The real thought is that of the infrastructure, of the AI that codes our meat and scripts our sheets. Sure I take up the mantle for a few moments each day to appear as the agent of this text, suiting up as the operator of an intellect that might be adequate to the informatic shit-storm of racist, capitalist, imperialist, patriarchal, for-profit assaults, but then I drop off into an ocean of petty concerns, food shopping, and home repairs. And even when I say “I,” to perform as the nexus of all this insight, I also know that it’s hardly me talking. I’m just curating at the gates of shit that needs to be said, and hopefully titrating to let the right stuff through. That’s part of my politics though Dog knows that I could create a more lucrative named-professor type profile with just a little more discipline, a bit more self-interested adherence to the protocols of the academy’s factory code. Instead, there is the effort to overturn, to be or at least to live something beyond being the scribe of the world computer, to at once witness the drama of the emergence of the intelligence of commodification, testify to its outrage, and intimate the possibility of its overthrow. Such would be the art of this text, practiced at the limits of disciplinarity and of subjectivity, guaranteed by nothing and no one. The expiration of the subject form, imminent since the subject’s first intimation of mortality—and made structurally mandatory by Freud and especially, with the full-blown rise of the sign at the moment of it radical marginalization by visuality, by Lacan—is not necessarily a cause for lament, despite the increasingly intense fading of its incalculable beauty, its sad reduction to cliché. From a political perspective, it means that within each concrete individual body the presumed continuity of the individual is riddled with contradictory and indeed unassimilable indicators; it means also that there exists in differing quantities and qualities capitalist and noncapitalist striations or sectors. Hallways of emptiness, but also hallways of love. Like bundled assets, the mind-body is tranched by executable logics organized by a calculus of risk available to investors. There are, to be a bit simplistic, **aspects of desire that are** programmed (indeed farmed) to produce practices that function in perfect accord with capitalist accumulation strategies (individualizing or schizoid) and aspects of **desire that are atavistic or collectivist**, utopian, communist, or maybe even just plain lonely, and, in short, subprime. In reality, of course, desire is more singular than even such formalizations might indicate. Insert your favorite snippet of poetry here. Hortense Spillers in “All the Things You Could Be by Now If Sigmund Freud’s Wife Was Your Mother” (1997) invokes “the Dozens” and the music of and like that of Charles Mingus (152–3), to make present an “interior intersubjectivity”(140) testifying to the rich unaudited psychic life of what might today be called Blackness. There are vast resources beyond the easy resolution of hegemonic hermeneutics whether deployed by institutionally validated psychoanalysis or compressed by current systems of informatic extraction. In agreeing with Freud that consciousness makes up a small part of mental life when compared to the preconscious, the unconscious, dreams, and so on, but in rejecting the normative assumptions and disavowals (including his own Jewishness) that situate Freud and the psychoanalytic discourse that will become part of European and U.S. bourgeois society, Spillers recognizes a vast store of mental life and the possibility of listening anew. However, when speaking of politics now, we therefore necessarily speak of the abstract forms available for the conceptualization and deployment of concrete emergences whether referring to haecceities that are innumerable or collective forms of existence and psychic life actively mediating between “the one” and “the ‘masses’ ” (141). Let us listen anew. Acknowledging that we ultimately and if possible immediately want to “marry our thought” (Wynter 1994b: 65) to the wealth of subaltern forms of life and the care of the bios, allow me then to put the situation of the post- Fordist subject thusly: in Imperialism, the Highest Stage of Capitalism, Lenin (1939) showed how imperialist dividends complicated class issues in England, since many people, otherwise part of the working class, got a share of the dividends of imperialism by clipping the coupons of their investments in racist, exploitative British enterprises across the globe. Today this race-based class fractionalization is fully internalized in the Global North; on our iPads built by Chinese slaves from blood metals extracted from the Congo, we may momentarily feel like biomorphically unmarked nobles in the global cosmopolis; while on the job market or when simply seen in our raced and gendered embodiments, we are abjects. Materially and intellectually we are nodal points on a global network. The signal oscillates between narcissistic megalomania and utter abjection and can be affected by a billion parameters taking us from melancholia to outrage. **Thus, even the concrete individual is composed of class fractions, race fractions, gender fractions.** In the form of signs, we clip coupons that validate our investments. The language of object-identification, we observe here, cannot really keep up with the fluctuations resulting from the throughput of code as we work to identify and disidentify our agency. Can we audit a different mode of emergence, a different futurity than one inexorably overcoded by capital? Of course this is still somewhat simplistic and also class-specific, as many (billions even) never get to participate as an enfranchised global citizen in any aspect or moment of life, even if the lived experience of these same billions is radically overdetermined by the class(es) from which they are excluded.4 The gilded poverty of the enfranchised, as opposed to the mere poverty of the rest, is now a measure of connectivity. A more complete view is that we are the product of the world system and thus everything we are has been produced vis-à-vis globalization, and therefore everything bears the trace of the system in its entirety (again, in varying proportions). This conceptualization of concrete individuals (bodies) as global communitarian products forced to varying degrees into templates of individualized risk by capitalist states, is not to erase class; however, it suggests that, just as Fanon saw the great European metropoles as the product of third world labor, we are all products of the worst conditions prevailing in the Global South and around the planet. Global inequality is internal to **our being**. It is us. How then does one (such a one who is relatively enfranchised by the derivative language of texts such as this one) inventory those relations and produce them as formations of solidarity rather than as disavowed residuum? Is there another data-sphere, a communist one? Can we build communist interfaces, networks, **and finance?** How would **we register,** track, amplify, and render actionable the communitarian affinities, **solidarities, obligations, and debts**, the resources in the wake of too many genocides to count, that in actual practice **underpin the official economy,** collective life, and whatever authentic hope is left to our species? Perhaps we have arrived at a question worthy of theory: Is there, could there be communist algorithms? Communist derivatives? Derivative communism? We are looking for that path. To add to my point about the shifting, distributed character of political actors—that goes so far as to suggest that we can no longer think only of actors but rather must think of vectors and fields in addition to thinking of the resources developed in cultures of survival—I will make a second observation. **A political intervention** in the advertisarial relations that have this planet heading toward environmental doomsday requires not only revolutionary policy but revolutionary culture. (I defer further discussion of a third requirement, revolutionary finance, to the final chapter.) This culture must take into account that, for many on this planet, Armageddon is not the future but an **ongoing constant**. My call here (which should not be entirely unfamiliar, as it gives petit bourgeois intellectuals something important to do) is to (re)politicize semiotic and affective structures and practices, including and perhaps especially those we might control, for example our own utterances—our expression. Of course, to call them “our own” seems to contradict what I’ve said about the expropriation of the cognitive- linguistic and the intensification of aphanisis by visual, verbal, and digital media derivatives, but it is here precisely that we confront one of the significant material contradictions of our time: who or what speaks in us? This question, which I shorthand using the phrase the politics of the utterance and which you can experience palpably right now (as you endeavor to think), seems to me to insist that **our idea-making** must actively produce its solidarity with the dispossessed. We must struggle for the **radical constellation.** The question concerning the politics of the utterance, asked here in a strange passage of this text through a beyond-academic terrain, a moonless forest the traversal of which may or may not at this point lead us back to the plot, also raises the question of becoming, as well as the questions of agency and of action within the capitalist image— programmable images, racializing and racist images that, in the terms we have set out, are functionally omnipresent. Continuous media throughput has generated a capitalist imaginary structuring both language function and imaging processes, coordinated at scales and by calculative logics that exceed individual comprehension. Though the occasion is upon us, **we must struggle for space and time to think. We must** open a spread on which to bet against the dominant order. We glimpse, and we feel, that to insist upon the unremitting relevance of both culture-making and of cross-cultural transnational solidarity helps **to avoid platform fetishism** because it sees the internet and its machines not as a set or collection of autonomous technologies but as a historically emergent system of value-expropriative communication and organization, built directly upon older but nonetheless contemporaneous forms of inequality, including but not limited to historically emergent techniques of gendering, racialization, and imperialism, and embedded in the living flesh of the world. All of this calculative interconnectivity and networked agency implies, contradictorily, in fact, that the internet is not all advertising—but neither is advertising all advertising. It is also murder and struggle. Banksy knows that. The advertisarial relation is the programmatic relation encrypted in the apparatuses of capital: the war of each against all, taken all the way from finance, computation, and surveillance to the speech act and the imagination in accord with the autopoietic algorithm of the distributed Leviathan. Marx himself saw capitalism as vampiric, and today’s processes of **capitalization are even more totalitarian**, more widely distributed, and more blood-, life-, and indeed soul-sucking than even in prior eras—though such comparisons **don’t do those killed by past iterations of capitalism any good.** Despite the disavowals to the contrary, we recognize that capital needs labor, needs metabolic time more desperately and more voraciously than ever before (what else is biopolitics?) and, furthermore, that it wages war on life-time on all fronts, in order to secure labor power, its product and basis, at a discount. The pyramids of inequality become internal fractals, and even as the base broadens, the tip with the all-seeing eye (that is not a subject) ascends ever higher. **We do not** yet **know what can be destroyed** or indeed built with the massive appropriation of Banksy’s rocks, but we do know that at present **there is** total war against our using them to build anticapitalist, nonhierarchical, horizontal, solidary sociality. The refusal or détournement **of capital’s encroachment** **is** itself a creative act. Perhaps we have only **begun to glimpse what** a total **refusal might achieve.**

## Case

### 1NC — T/L

#### The only card about the aff says “marketplaces” will be designated as platforms utilities — doesn’t say companies will be destroyed, just that parts of companies would be spun off — can’t solve integration and we impact turn innovation

### 1NC — Heg

#### No ev China tech collapses US primacy — Nouwens is old and says leapfrog once in passing — no internal link

#### We will concede that public epistemology is necessary for hegemony---this is alternative solvency – rejecting the affirmative will collapse US heg.

#### American hegemony is underpinned by genocide and violent intervention.

Morefield 19 (Jeanne, Professor of Politics at Whitman College and will soon join the Department of Political Science and International Studies at The University of Birmingham, “Trump’s Foreign Policy Isn’t the Problem,” 8 January 2019, <https://bostonreview.net/politics/jeanne-morefield-trump%E2%80%99s-foreign-policy-isn%E2%80%99t-problem>, DOA: 1-30-2020)

Trump’s willingness to say such things has precipitated an existential crisis in the international relations world. U.S. foreign policy, as an academic discourse and political practice, is built on the delicate foundation of what Robert Vitalis has called the “norm against noticing,” This deflective move has long been the gold standard of international relations; under its rules of play, IR experts act as if the United States has never been an imperial power and that its foreign policy is not, and has never been, intentionally racist. The norm against noticing thus distinguishes between the idea of the United States as a necessary world-historical actor and the reality of how the United States acts.

In that reality, the United States has long been an imperial power with white nationalist aspirations. Given the racialized nature of U.S. imperial expansion, it makes sense that Alexis de Tocqueville predicted, in a chapter entitled “The Three Races of the United States,” that the United States would one day govern “the destinies of half the globe.” In its early days, while still a slave-holding country, the United States asserted its sovereignty through genocide on a continental scale and annexed large portions of northern Mexico. The country went on to overthrow the independent state of Hawaii, occupied the Philippines and Haiti, exerted its regional power throughout Latin America, expanded its international hegemony after World War II, and became what it is today: the world’s foremost military and nuclear power with a $716 billion “defense” budget that exceeds the spending of all other major global powers combined.

“Taking over from the British Empire in the early twentieth-century,” argues James Tully, the United States has used its many military bases located “outside its own borders”—now nearly 800 in over 80 countries— to force open-door economic policies and antidemocratic regimes on states throughout the formerly colonized world. An extremely partial list of sovereign governments that the United States either overthrew or attempted to subvert through military means, assassinations, or election tampering since 1949 includes Syria, Iran, Guatemala, Lebanon, the Congo, Cuba, Chile, Afghanistan, Nicaragua, Grenada, Cuba, Korea, Vietnam, Cambodia, Iraq, Yemen, Australia, Greece, Bolivia, and Angola. Such interventionist policies have contributed substantially to today’s inegalitarian world in which an estimated 783 million people live in profound poverty. In sum, for untold millions of humans in the Global South, the seventy years of worldwide order, security, and prosperity that Ikenberry and Deudney associate with Pax Americana has been anything but ordered, secure, or prosperous.

#### Hegemony makes war more likely---intervention and military spending make conflict worse, while other factors constrain aggression.

Fettweis ’17 (Christopher J.; is Associate Professor of Political Science at Tulane University; May 8th; *Unipolarity, Hegemony, and the New Peace*; <https://www.tandfonline.com/doi/abs/10.1080/09636412.2017.1306394?journalCode=fsst20>; accessed 5/3/19; MSCOTT)

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 high-level 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 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.

Conflict and US Military Spending

How does one measure polarity? Power is traditionally considered to be some combination of military and economic strength, but despite scores of efforts, no widely accepted formula exists. Perhaps overall military spending might be thought of as a proxy for hard power capabilities; perhaps too the amount of money the United States devotes to hard power is a reflection of the strength of the unipole. When compared to conflict levels, however, there is no obvious correlation, and certainly not the kind of negative relationship between US spending and conflict that many hegemonic stability theorists would expect to see.

During the 1990s, the United States cut back on defense by about 25 percent, spending $100 billion less in real terms in 1998 that it did in 1990.68 To those believers in the neoconservative version of hegemonic stability, this irresponsible “peace dividend” endangered both national and global security. “No serious analyst of American military capabilities doubts that the defense budget has been cut much too far to meet America’s responsibilities to itself and to world peace,” argued Kristol and Kagan at the time.69 The world grew dramatically more peaceful while the United States cut its forces, however, and stayed just as peaceful while spending rebounded after the 9/11 terrorist attacks. The incidence and magnitude of global conflict declined while the military budget was cut under President Clinton, in other words, and kept declining (though more slowly, since levels were already low) as the Bush administration ramped it back up. Overall US military spending has varied during the period of the New Peace from a low in constant dollars of less than $400 billion to a high of more than $700 billion, but war does not seem to have noticed. The same nonrelationship exists between other potential proxy measurements for hegemony and conflict: there does not seem to be much connection between warfare and fluctuations in US GDP, alliance commitments, and forward military presence. There was very little fighting in Europe when there were 300,000 US troops stationed there, for example, and that has not changed as the number of Americans dwindled by 90 percent. Overall, there does not seem to be much correlation between US actions and systemic stability. Nothing the United States actually does seems to matter to the New Peace.

### 1NC — Legal Engagement

#### Legal engagement stuff:

#### 1. There’s only 1 card about the aff — that’s not teaching intricacies of the market.

#### 2. They did the research on the aff — that solves.

#### 3. Other schools solve — Emory reading antitrust and heg affs solve.

#### 4. Market Studies solve — it’s what their ev is about

#### 5. None of us are in a position to change antitrust law and the aff is not a broad movement against antitrust.

### 1NC — China

#### 1AC Kroenig says alt causes — 3D printing and hypersonics, and says it’s a question of integrating tech into the military, not innovation [KU reads yellow — inserted for reference]

Kroenig and Gopalaswamy, 18 (Matthew Kroenig and Bharath Gopalaswamy, Kroenig is an Associate Professor of Government and Foreign Service at Georgetown University and Deputy Director for Strategy in the Scowcroft Center for Strategy and Security at the Atlantic Council. , Gopalaswamy is the Director of the South Asia Center at the Atlantic Council. He holds a PhD in mechanical engineering with a specialization in numerical acoustics from Trinity College, Dublin., 11-12-2018, accessed on 8-11-2021, Bulletin of the Atomic Scientists, "Will disruptive technology cause nuclear war? - Bulletin of the Atomic Scientists", <https://thebulletin.org/2018/11/will-disruptive-technology-cause-nuclear-war/>)//Babcii

Rather, we should think more broadly about how new technology might affect global politics, and, for this, it is helpful to turn to scholarly international relations theory. The dominant theory of the causes of war in the academy is the “bargaining model of war.” This theory identifies rapid shifts **in the balance of power as a** primary cause of conflict. International politics often presents states with conflicts that they can settle through peaceful bargaining, but **when bargaining** breaks down, war results. Shifts in the balance of power are problematic because they undermine effective bargaining. After all, why agree to a deal today if your bargaining position will be stronger tomorrow? And, a clear understanding of the military balance of power can contribute to peace. (Why start a war you are likely to lose?) But **shifts in the balance of power** muddy understandings **of** which states have the advantage. You may see where this is going. New technologies threaten to create potentially destabilizing shifts in the balance of power. For decades, stability in Europe and Asia has been supported by US military power. In recent years, however, the balance of power in Asia has begun to shift, as China has increased its military capabilities. Already, Beijing has become more assertive in the region, claiming contested territory in the South China Sea. And the results of Russia’s military modernization have been on full display in its ongoing intervention in Ukraine. Moreover, China may have the lead over the United States in emerging technologies that could be decisive for the future of military acquisitions and warfare, including 3D printing, hypersonic missiles,quantum computing, 5G wireless connectivity, **and** artificial intelligence (AI). And Russian President Vladimir Putin is building new unmanned vehicles while ominously declaring, “Whoever leads in AI will rule the world.” If China or Russia are able to incorporate new technologies into their militaries before the United States, then this could lead to the kind of rapid shift in the balance of power **that** often causes war. If Beijing believes emerging technologies provide it with a newfound, local military advantage over the United States, for example, it may be **more willing** than previously **to** initiate conflict over Taiwan. And if Putin thinks new tech has strengthened his hand, he may be more tempted to launch a Ukraine-style invasion of a NATO member. Either scenario could bring these nuclear powers into direct conflict with the United States, and once nuclear armed states are at war, there is an inherent risk of nuclear conflictthrough limited nuclear war strategies, nuclear **brinkmanship**, or simple accidentor inadvertent escalation**.** This framing of the problem leads to a different set of policy implications. The concern is not simply technologies that threaten to undermine nuclear second-strike capabilities directly, but, rather, any technologies that can result in a meaningful shift in the broader balance of power. And **the** solution **is not** to preserve **second-strike** **capabilities, but** to preserve prevailing power balances more broadly. When it comes to new technology, this means that the United States should seek **to maintain an innovation edge**. Washington should also work with other states, including its nuclear-armed rivals, to develop a new set of arms control and nonproliferation agreements and export controls to deny these newer and potentially destabilizing technologies to potentially hostile states. These are no easy tasks, but **the consequences of Washington losing the race** for technological superiority to its autocratic challengers just **might mean nuclear Armageddon.**

#### Zhang is about current use of intelligent combat vehicles and AI enabled early warning systems — escalation inevitable or fake.

#### **No China war.**

Lei 20, PhD and MA in International Politics, associate research fellow with the China Institute of International Studies. (Cui, 7-24-2020, "Despite heated talk, risk of a US-China hot war is small", *South China Morning Post*, https://www.scmp.com/comment/opinion/article/3094121/why-risk-us-china-hot-war-small-despite-heated-talk)

Many observers are pessimistic about deteriorating US-China relations and believe the two countries are heading towards a cold war. Even worse, some argue that the situation might be more dangerous than the US-Soviet Union Cold War, and that a hot war might break out between the two. This argument is unconvincing. First of all, deterrents to a flare-up are much stronger in US-China relations than in US-Soviet relations. Although economic and people-to-people ties between China and the US are declining, they are still close compared to US-Soviet ties. It is hard to decouple two closely intertwined economies and societies. Take two examples. China is expected to become the world's largest consumer market, a temptation hard to resist for exporters, including those from the US. And in education, more than 300,000 Chinese students study in the US, bringing in huge revenues for the US education industry. Many universities go to great lengths to woo international students. Recently Harvard and the Massachusetts Institute of Technology even sued the government over its new visa restrictions, now aborted, on international students. Second, even if there is decoupling, the pain would not be too great and can be kept out of the national security sphere if properly handled. In fact, for national security reasons, a modest degree of isolation will make both sides more secure and comfortable. For instance, if China’s information technology equipment cannot capture Western markets, the US will be more relaxed. If China cannot get advanced technologies from the US and its technological progress slows down, the US will be less anxious. In the same vein, China feels assured knowing that if the Trump administration does impose a travel ban on Communist Party members, it would be abandoning one of the tools available to the US to promote “peaceful evolution” in China. Economic decoupling is undeniably more painful for China than for the US. But unlike Japan during WWII, which was hit hard by the US oil embargo because of its lack of natural resources, China has no such problems. Given its large domestic market, losing the US as a major customer is not a disaster for China, and can be compensated through more dynamic economic activities at home. China can also make up for being freezed out of technological exchanges by turning to indigenous innovation. As for the US, it can import goods from other developing countries, albeit less cheaply. The relative loss is acceptable when weighed against the heightened perception of economic independence and security. Third, the ideological confrontation between China and the US is less intense than that during the Cold War. Unlike the obsession with ideology in those days, the line between capitalism and socialism is blurred today. The market economy has become universally recognised as the best way to promote economic growth and, politically, many countries have embraced democracy. Even North Korea calls itself the Democratic People’s Republic of Korea. Although ideological hawks in the US still long for the day when the beacon of freedom will light up the world, after many years of fighting bloody wars overseas, most American people are not interested in promoting democracy abroad. Meanwhile, China just wants to preserve its political system and has no interest in exporting it to other countries, as the Soviet Union did. Thus, ideological antagonism in China-US relations can easily be eased by calculations of realistic interests, which create conditions for compromise and cooperation. Fourth, both China and the US have many options other than war to achieve their policy goals. While they have no allies to serve as a buffer, given the nature of the potential conflict in the South China Sea or Taiwan Strait, both countries are adept at operating in grey zones and fighting psychological, public opinion or diplomatic warfare below the threshold of war. The forced closure of the Chinese consulate in Houston by the US government is just the latest act of brinkmanship. In addition, given China’s huge economic and financial interests in the US, the latter can wield the stick of sanctions when use of force is highly risky or not worth it. When both sides have many tools and options, why would they rush to war to achieve their goals? Last but not least, the imbalance of power will act as a deterrent. Some say the US and Soviet Union did not fight a hot war because they were evenly matched. It was not the case, actually. At the beginning of the Cold War, the Soviet Union was at a relative military disadvantage. Moreover, a country needs the will to fight before going to war, even if it is stronger militarily than its adversary. Having fought years of meaningless wars, the US is weary of war. China, too, abhors war. Having a clear understanding of US strength, especially when its own economy is slowing down and it is facing various domestic challenges, China would not wish to recklessly start a war with the US. In summary, the possibility of a hot war between China and the US is very small. The greatest danger for China is not a cold or hot confrontation with the US, but policymakers’ interpretation of the momentary hostility towards Beijing of a portion of the American population and the larger world. An erroneous interpretation could end China’s march to further opening up, and see it turn instead towards self-isolation.

#### Chinese leadership is key to solving all global problems – that solves the case

Shen Yamei 18, Deputy Director and Associate Research Fellow of Department for American Studies, China Institute of International Studies, 1-9-2018, "Probing into the “Chinese Solution” for the Transformation of Global Governance," CAIFC, http://www.caifc.org.cn/en/content.aspx?id=4491

As the world is in a period of great development, transformation and adjustment, the international power comparison is undergoing profound changes, global governance is reshuffling and traditional governance concepts and models are confronted with challenges. The international community is expecting China to play a bigger role in global governance, which has given birth to the Chinese solution. A. To Lead the Transformation of the Global Governance System. The “shortcomings” of the existing global governance system are prominent, which can hardly ensure global development. First, the traditional dominant forces are seriously imbalanced. The US and Europe that used to dominate the global governance system have been beset with structural problems, with their economic development stalling, social contradictions intensifying, populism and secessionism rising, and states trapped in internal strife and differentiation. These countries have not fully reformed and adjusted themselves well, but rather pointed their fingers at globalization and resorted to retreat for self-insurance or were busy with their own affairs without any wish or ability to participate in global governance, which has encouraged the growth of “anti-globalization” trend into an interference factor to global governance. Second, the global governance mechanism is relatively lagging behind. Over the years of development, the strength of emerging economies has increased dramatically, which has substantially upset the international power structure, as the developing countries as a whole have made 80 percent of the contributions to global economic growth. These countries have expressed their appeal for new governance and begun policy coordination among themselves, which has initiated the transition of global governance form “Western governance” to “East-West joint governance”, but the traditional governance mechanisms such as the World Bank, IMF and G7 failed to reflect the demand of the new pattern, in addition to their lack of representation and inclusiveness. Third, the global governance rules are developing in a fragmented way, with governance deficits existing in some key areas. With the diversification and in-depth integration of international interests, the domain of global governance has continued to expand, with actors multiplying by folds and action intentions becoming complicated. As relevant efforts are usually temporary and limited to specific partners or issues, global governance driven by requests of “diversified governance” lacks systematic and comprehensive solutions. Since the beginning of this year, there have been risks of running into an acephalous state in such key areas as global economic governance and climate change. Such emerging issues as nuclear security and international terrorism have suffered injustice because of power politics. The governance areas in deficit, such as cyber security, polar region and oceans, have “reversely forced” certain countries and organizations to respond hastily. All of these have made the global governance system trapped in a dilemma and call urgently for a clear direction of advancement. B. To Innovate and Perfect the International Order. Currently, whether the developing countries or the Western countries of Europe and the US are greatly discontent with the existing international order as well as their appeals and motivation for changing the order are unprecedentedly strong. The US is the major creator and beneficiary of the existing hegemonic order, but it is now doubtful that it has gained much less than lost from the existing order, faced with the difficulties of global economic transformation and obsessed with economic despair and political dejection. Although the developing countries as represented by China acknowledge the positive role played by the post-war international order in safeguarding peace, boosting prosperity and promoting globalization, they criticize the existing order for lack of inclusiveness in politics and equality in economy, as well as double standard in security, believing it has failed to reflect the multi-polarization trend of the world and is an exclusive “circle club”. Therefore, there is much room for improvement. For China, to lead the transformation of the global governance system and international order not only supports the efforts of the developing countries to uphold multilateralism rather than unilateralism, advocate the rule of law rather than the law of the jungle and practice democracy rather than power politics in international relations, but also is an important subject concerning whether China could gain the discourse power and development space corresponding to its own strength and interests in the process of innovating and perfecting the framework of international order. C. To Promote Integration of the Eastern and Western Civilizations. Dialog among civilizations, which is the popular foundation for any country’s diplomatic proposals, runs like a trickle moistening things silently. Nevertheless, in the existing international system guided by the “Western-Centrism”, the Western civilization has always had the self-righteous superiority, conflicting with the interests and mentality of other countries and having failed to find the path to co-existing peacefully and harmoniously with other civilizations. So to speak, many problems of today, including the growing gap in economic development between the developed and developing countries against the background of globalization, the Middle East trapped in chaos and disorder, the failure of Russia and Turkey to “integrate into the West”, etc., can be directly attributed to lack of exchanges, communication and integration among civilizations. Since the 18th National Congress of CPC, Xi Jinping has raised the concept of “Chinese Dream” that reflects both Chinese values and China’s pursuit, re-introducing to the world the idea of “all living creatures grow together without harming one another and ways run parallel without interfering with one another”, which is the highest ideal in Chinese traditional culture, and striving to shape China into a force that counter-balance the Western civilization. He has also made solemn commitment that “we respect the diversity of civilizations …… cannot be puffed up with pride and depreciate other civilizations and nations”; “facing the people deeply trapped in misery and wars, we should have not only compassion and sympathy, but also responsibility and action …… do whatever we can to extend assistance to those people caught in predicament”, etc. China will rebalance the international pattern from a more inclusive civilization perspective and with more far-sighted strategic mindset, or at least correct the bisected or predominated world order so as to promote the parallel development of the Eastern and Western civilizations through mutual learning, integration and encouragement. D. To Pass on China’s Confidence. Only a short while ago, some Western countries had called for “China’s responsibility” and made it an inhibition to “regulate” China’s development orientation. Today, China has become a source of stability in an international situation full of uncertainties. Over the past 5 years, China has made outstanding contributions to the recovery of world economy under relatively great pressure of its own economic downturn. Encouraged by the “four confidences”, the whole of the Chinese society has burst out innovation vitality and produced innovation achievements, making people have more sense of gain and more optimistic about the national development prospect. It is the heroism of the ordinary Chinese to overcome difficulties and realize the ideal destiny that best explains China’s confidence. When this confidence is passed on in the field of diplomacy, it is expressed as: first, China’s posture is seen as more forging ahead and courageous to undertake responsibilities ---- proactively shaping the international agendas rather than passively accepting them; having clear-cut attitudes on international disputes rather than being equivocal; and extending international cooperation to comprehensive and dimensional development rather than based on the theory of “economy only”. In sum, China will actively seek understanding and support from other countries rather than imposing its will on others with clear-cut Chinese characteristics, Chinese style and Chinese manner. Second, China’s discourse is featured as a combination of inflexibility and yielding as well as magnanimous ---- combining the internationally recognized diplomatic principles with the excellent Chinese cultural traditions through digesting the Chinese and foreign humanistic classics assisted with philosophical speculations to make “China Brand, Chinese Voice and China’s Image get more and more recognized”. Third, the Chinese solution is more practical and intimate to people as well as emphasizes inclusive cooperation, as China is full of confidence to break the monopoly of the Western model on global development, “offering mankind a Chinese solution to explore a better social system”, and “providing a brand new option for the nations and peoples who are hoping both to speed up development and maintain independence”. II.Path Searching of the “Chinese Solution” for Global Governance Over the past years’ efforts, China has the ability to transform itself from “grasping the opportunity” for development to “creating opportunity” and “sharing opportunity” for common development, hoping to pass on the longing of the Chinese people for a better life to the people of other countries and promoting the development of the global governance system toward a more just and rational end. It has become the major power’s conscious commitment of China to lead the transformation of the global governance system in a profound way. A. To Construct the Theoretical System for Global Governance. The theoretical system of global governance has been the focus of the party central committee’s diplomatic theory innovation since the 18th National Congress of CPC as well as an important component of the theory of socialism with Chinese characteristics for a new era, which is not only the sublimation of China’s interaction with the world from “absorbing and learning” to “cooperation and mutual learning”, but also the cause why so many developing countries have turned from “learning from the West” to “exploring for treasures in the East”. In the past 5 years, the party central committee, based on precise interpretation of the world pattern today and serious reflection on the future development of mankind, has made a sincere call to the world for promoting the development of global governance system toward a more just and rational end, and proposed a series of new concepts and new strategies including engaging in major power diplomacy with Chinese characteristics, creating the human community with common destiny, promoting the construction of new international relationship rooted in the principle of cooperation and win-win, enriching the strategic thinking of peaceful development, sticking to the correct benefit view, formulating the partnership network the world over, advancing the global economic governance in a way of mutual consultation, joint construction and co-sharing, advocating the joint, comprehensive, cooperative and sustainable security concept, and launching the grand “Belt and Road” initiative. The Chinese solution composed of these contents, not only fundamentally different from the old roads of industrial revolution and colonial expansion in history, but also different from the market-driven neo-liberalism model currently advocated by Western countries and international organizations, stands at the height of the world and even mankind, seeking for global common development and having widened the road for the developing countries to modernization, which is widely welcomed by the international community. B. To Supplement and Perfect the Global Governance System. Currently, the international political practice in global governance is mostly problem-driven without creating a set of relatively independent, centralized and integral power structures, resulting in the existing global governance systemcharacterized as both extensive and unbalanced. China has been engaged in reform and innovation, while maintaining and constructing the existing systems, producing some thinking and method with Chinese characteristics. First, China sees the UN as a mirror that reflects the status quo of global governance, which should act as the leader of global governance, and actively safeguards the global governance system with the UN at the core. Second, China is actively promoting the transforming process of such recently emerged international mechanisms as G20, BRICS and SCO, perfecting them through practice, and boosting Asia-Pacific regional cooperation and the development of economic globalization. China is also promoting the construction of regional security mechanism through the Six-Party Talks on Korean Peninsula nuclear issue, Boao Forum for Asia, CICA and multilateral security dialog mechanisms led by ASEAN so as to lay the foundation for the future regional security framework. Third, China has initiated the establishment of AIIB and the New Development Bank of BRICS, creating a precedent for developing countries to set up multilateral financial institutions. The core of the new relationship between China and them lies in “boosting rather than controlling” and “public rather than private”, which is much different from the management and operation model of the World Bank, manifesting the increasing global governance ability of China and the developing countries as well as exerting pressure on the international economic and financial institution to speed up reforms. Thus, in leading the transformation of the global governance system, China has not overthrown the existing systems and started all over again, but been engaged in innovating and perfecting; China has proactively undertaken international responsibilities, but has to do everything in its power and act according to its ability. C. To Reform the Global Governance Rules. Many of the problems facing global governance today are deeply rooted in such a cause that the dominant power of the existing governance system has taken it as the tool to realize its own national interests first and a platform to pursue its political goals. Since the beginning of this year, the US has for several times requested the World Bank, IMF and G20 to make efforts to mitigate the so-called global imbalance, abandoned its commitment to support trade openness, cut down investment projects to the middle-income countries, and deleted commitment to support the efforts to deal with climate change financially, which has made the international systems accessories of the US domestic economic agendas, dealing a heavy blow to the global governance system. On the contrary, the interests and agendas of China, as a major power of the world, are open to the whole world, and China in the future “will provide the world with broader market, more sufficient capital, more abundant goods and more precious opportunities for cooperation”, while having the ability to make the world listen to its voice more attentively. With regard to the subject of global governance, China has advocated that what global governance system is better cannot be decided upon by any single country, as the destiny of the world should be in the hands of the people of all countries. In principle, all the parties should stick to the principle of mutual consultation, joint construction and co-sharing, resolve disputes through dialog and differences through consultation. Regarding the critical areas, opening to the outer world does not mean building one’s own backyard, but building the spring garden for co-sharing; the “Belt and Road” initiative is not China’s solo, but a chorus participated in by all countries concerned. China has also proposed international public security views on nuclear security, maritime cooperation

[Marked]

and cyber space order, calling for efforts to make the global village into a “grand stage for seeking common development” rather than a “wrestling arena”; we cannot “set up a stage here, while pulling away a prop there”, but “complement each other to put on a grand show”. From the orientation of reforms, efforts should be made to better safeguard and expand the legitimate interests of the developing countries and increase the influence of the emerging economies on global governance. Over the past 5 years, China has attached importance to full court diplomacy, gradually coming to the center stage of international politics and proactively establishing principles for global governance. By hosting such important events as IAELM, CICA Summit, G20 Summit, the Belt and Road International Cooperation Forum and BRICS Summit, China has used theseplatforms to elaborate the Asia-Pacific Dream for the first time to the world, expressing China’s views on Asian security and global economic governance, discussing with the countries concerned with the Belt and Road about the synergy of their future development strategies and setting off the “BRICS plus” capacity expansion mechanism, in which China not only contributes its solution and shows its style, but also participates in the shaping of international principles through practice. On promoting the resolution of hot international issues, China abides by the norms governing international relations based on the purposes and principles of the UN Charter, and insists on justice, playing a constructive role as a responsible major power in actively promoting the political accommodation in Afghanistan, mediating the Djibouti-Eritrea dispute, promoting peace talks in the Middle East, devoting itself to the peaceful resolution of the South China Sea dispute through negotiations. In addition, China’s responsibility and quick response to international crises have gained widespread praises, as seen in such cases as assisting Africa in its fight against the Ebola epidemic, sending emergency fresh water to the capital of Maldives and buying rice from Cambodia to help relieve its financial squeeze, which has shown the simple feelings of the Chinese people to share the same breath and fate with the people of other countries. D. To Support the Increase of the Developing Countries’ Voice. The developing countries, especially the emerging powers, are not only the important participants of the globalization process, but also the important direction to which the international power system is transferring. With the accelerating shift of global economic center to emerging markets and developing economies, the will and ability of the developing countries to participate in global governance have been correspondingly strengthened. As the biggest developing country and fast growing major power, China has the same appeal and proposal for governance as other developing countries and already began policy coordination with them, as China should comply with historical tide and continue to support the increase of the developing countries’ voice in the global governance system. To this end, China has pursued the policy of “dialog but not confrontation, partnership but not alliance”, attaching importance to the construction of new type of major power relationship and global partnership network, while making a series proposals in the practice of global governance that could represent the legitimate interests of the developing countries and be conducive to safeguarding global justice, including supporting an open, inclusive, universal, balanced and win-win economic globalization; promoting the reforms on share and voting mechanism of IMF to increase the voting rights and representation of the emerging market economies; financing the infrastructure construction and industrial upgrading of other developing countries through various bilateral or regional funds; and helping other developing countries to respond to such challenges as famine, refugees, climate change and public hygiene by debt forgiveness and assistance.

# 2NC

## K

### 2NC—AT: Growth

#### Their turns have a uniqueness problem – even if they win that warming is solved with really fast growth and a focus, no card says we’re doing any of that shit right now.

#### Renewables under capitalism wreak havoc on global ecosystems and cause neocolonial resource scrambles – magnifies extraction.

Hickel 19, PhD, Fellow of the Royal Society of Arts, Senior Lecturer at Goldsmiths, University of London. (Jason, 5-6-2019, "The Limits of Clean Energy", *Foreign Policy*, https://foreignpolicy.com/2019/09/06/the-path-to-clean-energy-will-be-very-dirty-climate-change-renewables/)

We need a rapid transition to renewables, yes—but scientists warn that we can’t keep growing energy use at existing rates. No energy is innocent. The only truly clean energy is less energy.In 2017, the World Bank released a little-noticed report that offered the first comprehensive look at this question. It models the increase in material extraction that would be required to build enough solar and wind utilities to produce an annual output of about 7 terawatts of electricity by 2050. That’s enough to power roughly half of the global economy. By doubling the World Bank figures, we can estimate what it will take to get all the way to zero emissions—and the results are staggering: 34 million metric tons of copper, 40 million tons of lead, 50 million tons of zinc, 162 million tons of aluminum, and no less than 4.8 billion tons of iron. In some cases, the transition to renewables will require a massive increase over existing levels of extraction. For neodymium—an essential element in wind turbines—extraction will need to rise by nearly 35 percent over current levels. Higher-end estimates reported by the World Bank suggest it could double. The same is true of silver, which is critical to solar panels. Silver extraction will go up 38 percent and perhaps as much as 105 percent. Demand for indium, also essential to solar technology, will more than triple and could end up skyrocketing by 920 percent. And then there are all the batteries we’re going to need for power storage. To keep energy flowing when the sun isn’t shining and the wind isn’t blowing will require enormous batteries at the grid level. This means 40 million tons of lithium—an eye-watering 2,700 percent increase over current levels of extraction. That’s just for electricity. We also need to think about vehicles. This year, a group of leading British scientists submitted a letter to the U.K. Committee on Climate Change outlining their concerns about the ecological impact of electric cars. They agree, of course, that we need to end the sale and use of combustion engines. But they pointed out that unless consumption habits change, replacing the world’s projected fleet of 2 billion vehicles is going to require an explosive increase in mining: Global annual extraction of neodymium and dysprosium will go up by another 70 percent, annual extraction of copper will need to more than double, and cobalt will need to increase by a factor of almost four—all for the entire period from now to 2050. The problem here is not that we’re going to run out of key minerals—although that may indeed become a concern. The real issue is that this will exacerbate an already existing crisis of overextraction. Mining has become one of the biggest single drivers of deforestation, ecosystem collapse, and biodiversity loss around the world. Ecologists estimate that even at present rates of global material use, we are overshooting sustainable levels by 82 percent. Take silver, for instance. Mexico is home to the Peñasquito mine, one of the biggest silver mines in the world. Covering nearly 40 square miles, the operation is staggering in its scale: a sprawling open-pit complex ripped into the mountains, flanked by two waste dumps each a mile long, and a tailings dam full of toxic sludge held back by a wall that’s 7 miles around and as high as a 50-story skyscraper. This mine will produce 11,000 tons of silver in 10 years before its reserves, the biggest in the world, are gone. To transition the global economy to renewables, we need to commission up to 130 more mines on the scale of Peñasquito. Just for silver. Lithium is another ecological disaster. It takes 500,000 gallons of water to produce a single ton of lithium. Even at present levels of extraction this is causing problems. In the Andes, where most of the world’s lithium is located, mining companies are burning through the water tables and leaving farmers with nothing to irrigate their crops. Many have had no choice but to abandon their land altogether. Meanwhile, chemical leaks from lithium mines have poisoned rivers from Chile to Argentina, Nevada to Tibet, killing off whole freshwater ecosystems. The lithium boom has barely even started, and it’s already a crisis. And all of this is just to power the existing global economy. Things become even more extreme when we start accounting for growth. As energy demand continues to rise, material extraction for renewables will become all the more aggressive—and the higher the growth rate, the worse it will get. It’s important to keep in mind that most of the key materials for the energy transition are located in the global south. Parts of Latin America, Africa, and Asia will likely become the target of a new scramble for resources, and some countries may become victims of new forms of colonization. It happened in the 17th and 18th centuries with the hunt for gold and silver from South America. In the 19th century, it was land for cotton and sugar plantations in the Caribbean. In the 20th century, it was diamonds from South Africa, cobalt from Congo, and oil from the Middle East. It’s not difficult to imagine that the scramble for renewables might become similarly violent. If we don’t take precautions, clean energy firms could become as destructive as fossil fuel companies—buying off politicians, trashing ecosystems, lobbying against environmental regulations, even assassinating community leaders who stand in their way.

#### Reject ‘no extinction’ defense — it papers-over destruction of the Global South and de-motivates action necessary to avoid the worst impacts of warming.

Klein 21, Opinion Columnist at the New York Times (Ezra, July 15th, “It Seems Odd We Would Just Let the World Burn,” *The New York Times*, <https://www.nytimes.com/2021/07/15/opinion/climate-change-energy-infrastructure.html>, Accessed 08-24-2021)

I do not want this to be a column arguing for despair. No emotion is more useless, and it’s wrong at any rate. If we fail to keep warming below the longtime global goal of 2 degrees Celsius, well, 2 degrees remains better than 2.5. And 2.5 is far preferable to 3. And humanity would much rather have 3 than 3.5. And so on, and so forth. There is no point at which giving up makes more sense than fighting on.

But to the immediate question — how to force the political system to do enough, fast enough, to avert mass suffering — I don’t know the answer, or even if there is an answer. Legislative politics is unlikely to suffice under any near-term alignment of power I can foresee — though I dearly hope Congress passes, at the least, the investments and clean energy standards proposed in the American Jobs Plan. I doubt a wave of bombings would accelerate change, and even if I believed otherwise, who am I to tell others to risk those consequences? The pace of renewable technologies has been a welcome surprise, and I would have us spend endless billions on technological moonshots — including nuclear, direct air capture and even geoengineering research. There is nothing we should not prepare to try, but even if we invent the fuels of the future, we will need policymakers to deploy them over the cries of industries that want to profit from the machines and oil wells of the past.

The good news is that the worst of the climate crisis seems less and less likely. We are on track for 3 degrees of warming, measured in Celsius, not 4 or 5. But 3 degrees is still a catastrophe of truly incomprehensible proportions, visited primarily upon the world’s poor by the world’s rich. We are engineering a world that is so much worse than it need be and that will be lethal for untold millions.

“I suspect that human beings will not go extinct from climate change, but I have higher standards than that,” Kate Marvel, a climate scientist at Columbia University, once told me. “I don’t want to just not go extinct. And for me, there’s almost an abdicating of responsibility by saying, ‘Well, we’re not going to do anything about climate change unless it’s going to kill every last one of us.’ Because the things that, for me, are really frightening about climate change are the consequences for human social systems.”

# 1NR

## Case

### 1NR—Unsustainable

#### 1---COVID, and populism

Cooley & Nexon 20, \*Claire Tow Professor of Political Science at Barnard College and Director of Columbia University’s Harriman Institute, \*\*Associate Professor in the Department of Government and at the Edmund A. Walsh School of Foreign Service at Georgetown University. (\*Alexander, \*\*Daniel H., 6/9/20, “How Hegemony Ends”, *Foreign Affairs*, https://www.foreignaffairs.com/articles/united-states/2020-06-09/how-hegemony-ends)

CONSERVING THE U.S. SYSTEM

Great-power contestation, the end of the West’s monopoly on patronage, and the emergence of movements that oppose the liberal international system have all altered the global order over which Washington has presided since the end of the Cold War. In many respects, the COVID-19 pandemic seems to be further accelerating the erosion of U.S. hegemony. China has increased its influence in the World Health Organization and other global institutions in the wake of the Trump administration’s attempts to defund and scapegoat the public health body. Beijing and Moscow are portraying themselves as providers of emergency goods and medical supplies, including to European countries such as Italy, Serbia, and Spain, and even to the United States. Illiberal governments worldwide are using the pandemic as cover for restricting media freedom and cracking down on political opposition and civil society. Although the United States still enjoys military supremacy, that dimension of U.S. dominance is especially ill suited to deal with this global crisis and its ripple effects.

Even if the core of the U.S. hegemonic system—which consists mostly of long-standing Asian and European allies and rests on norms and institutions developed during the Cold War—remains robust, and even if, as many champions of the liberal order suggest will happen, the United States and the European Union can leverage their combined economic and military might to their advantage, the fact is that Washington will have to get used to an increasingly contested and complex international order. There is no easy fix for this. No amount of military spending can reverse the processes driving the unraveling of U.S. hegemony. Even if Joe Biden, the presumptive Democratic nominee, knocks out Trump in the presidential election later this year, or if the Republican Party repudiates Trumpism, the disintegration will continue.

The key questions now concern how far the unraveling will spread. Will core allies decouple from the U.S. hegemonic system? How long, and to what extent, can the United States maintain financial and monetary dominance? The most favorable outcome will require a clear repudiation of Trumpism in the United States and a commitment to rebuild liberal democratic institutions in the core. At both the domestic and the international level, such efforts will necessitate alliances among center-right, center-left, and progressive political parties and networks.

What U.S. policymakers can do is plan for the world after global hegemony. If they help preserve the core of the American system, U.S. officials can ensure that the United States leads the strongest military and economic coalition in a world of multiple centers of power, rather than finding itself on the losing side of most contests over the shape of the new international order. To this end, the United States should reinvigorate the beleaguered and understaffed State Department, rebuilding and more effectively using its diplomatic resources. Smart statecraft will allow a great power to navigate a world defined by competing interests and shifting alliances.

The United States lacks both the will and the resources to consistently outbid China and other emerging powers for the allegiance of governments. It will be impossible to secure the commitment of some countries to U.S. visions of international order. Many of those governments have come to view the U.S.-led order as a threat to their autonomy, if not their survival. And some governments that still welcome a U.S.-led liberal order now contend with populist and other illiberal movements that oppose it.

Even at the peak of the unipolar moment, Washington did not always get its way. Now, for the U.S. political and economic model to retain considerable appeal, the United States has to first get its own house in order. China will face its own obstacles in producing an alternative system; Beijing may irk partners and clients with its pressure tactics and its opaque and often corrupt deals. A reinvigorated U.S. foreign policy apparatus should be able to exercise significant influence on international order even in the absence of global hegemony. But to succeed, Washington must recognize that the world no longer resembles the historically anomalous period of the 1990s and the first decade of this century. The unipolar moment has passed, and it isn’t coming back.

#### 2---debt.

Bandow 20, JD, senior fellow at the Cato Institute. (Doug, 5/28/20, "Want to Fix the Deficit? Bring Home the Troops.", *Foreign Policy*, https://foreignpolicy.com/2020/05/28/us-deficit-military-spending-budget-bring-home-troops/)

The financial burdens of this activist military policy had been growing difficult to bear long before the economic crisis created by the coronavirus pandemic. In June 2019, the Congressional Budget Office forecast trillion-dollar annual deficits as far as the eye can see. The agency warned: “Large budget deficits over the next 30 years are projected to drive federal debt held by the public to unprecedented levels—from 78 percent of gross domestic product (GDP) in 2019 to 144 percent by 2049.” For comparison: Greece was at a similar deficit level when it was battered by its own debt crisis in the wake of the global financial crisis. If interest rates in the United States grow by just 1 percent, in three decades the federal government’s debt will run 199 percent of GDP. However, well before that level is reached, Washington would risk what the Congressional Budget Office terms “a fiscal crisis—that is, a situation in which the interest rate on federal debt rises abruptly because investors have lost confidence in the U.S. government’s fiscal position.” This would greatly intensify the fiscal crunch.

With the ongoing economic collapse and massive federal bailouts, the federal financial situation has dramatically worsened. At the end of April, the budget office projected a 12 percent drop in real GDP this quarter, an unemployment rate of 14 percent, a likely annual deficit of $3.7 trillion in 2020 and $2.1 trillion next year, and debt at 101 percent of GDP by the end of the fiscal year. Those numbers may well rise. The Manhattan Institute’s Brian Riedl believes the red ink might even hit $4.2 trillion this year. If so, Washington will borrow more this year than during 2014 to 2019 combined.

States also face enormous economic pressures. Most are forced to at least nominally balance their budgets, as only Uncle Sam has a printing press, but their pension funds, which collectively faced a $1 trillion funding hole at the start of the year, are likely to have $1.5 trillion to $2 trillion in unfunded liabilities by December. Some states, most notably Illinois, Kentucky, and New Jersey, already are at risk. The Democratic House has proposed including a state bailout in its proposal for another $3 trillion in aid.

The debt tsunami cannot continue indefinitely. Last year, Washington spent $4.4 trillion, of which nearly a quarter was borrowed.

There are no simple solutions. Congress is unlikely to raise taxes. In 2017 the federal budget was awash in red ink, but Congress passed a large tax cut. Making ends meet was pushed even further into the future, when government programs presumably would be paid by someone somehow sometime. The alternative is to scale back spending programs—but there isn’t much to cut. Domestic discretionary outlays, which Congress normally targets when intent on reducing expenditures, ran only $661 billion in 2019. These expenditures, at 6.3 percent of GDP, already were below their historical average, 8.4 percent over the last half-century, and wiping out everything would still leave a deficit. A trillion dollars went for Social Security and $644 billion for Medicare last year—both of which make up the traditional, untouchable third rail of U.S. politics. Although proposals for reform abound, President Donald Trump has refused to trim either, and progressive activists continue to push for benefit increases. Other mandatory entitlement programs, with benefits set by law, constituted $642 billion. Medicaid ran $409 billion; it already provides the lowest reimbursement rates of any government program or private health insurance. Net interest payments came to $375 billion. Interest rates have nowhere to go but up, and these outlays cannot be cut without repudiating the debt.

Meanwhile, last year’s military budget was $676 billion. Today most of that is “defense” only in the sense of protecting allies, many of which can defend themselves and little of which can be considered essential for this nation’s security. (Of course, the United States has other less-than-vital interests, in stability, for instance, and thus the defeat of a group like the Islamic State. Yet Washington, too, has proved to be a major force for instability—as in the cases of Iraq and Libya.) Americans may not mind their government turning military alliances into welfare programs when the United States dominates the global economy. But the calculations change when the federal government is racing toward insolvency. In another decade or two, when entitlements are competing with the national debt in spiraling upward, priorities will finally have to be set. And missions that are not essential, such as engaging in nation-building and protecting prosperous, populous allies, are likely to lose out.

Some right-leaning hawks acknowledge the imminent fiscal crunch but blame social programs. The answer, they argue, is simple: entitlements, not the Pentagon, should be slashed. Alas, they have yet to find a credible presidential candidate willing to make that case. Liberal interventionists have an even bigger problem, as most leading progressives want to spend more, much more, on domestic priorities. Creating “Medicare for All” and wiping out student debt would cost trillions of dollars. Despite the veneer of moderation retained by former Vice President Joe Biden, the presidential candidate has shifted leftward to bolster his support among activists.

The bipartisan advocates of promiscuous intervention are likely to resist any military cutbacks. However, once a fiscal crisis hits, dramatic and rapid if not instant reductions will be required. That risks creating a dangerous mismatch with international objectives.

Policymakers should begin, today, by scaling back their interventionist strategies that require such a large and expensive military, with hundreds of bases and hundreds of thousands of troops around the globe. The military budget is the price of America’s foreign policy. A new approach should exercise restraint, scale back national ambitions, and then construct the force structure necessary to achieve more limited goals.

### 1NR—Transition

#### Biden retrenches now---solves overextension.

Nuechterlein 20, PhD, professor of international relations at the Federal Executive Institute, Charlottesville, Virginia. (Donald, 7-12-2020, "Biden and Trump are not far apart on foreign policy", *NewsAdvance*, https://newsadvance.com/opinion/columnists/nuechterlein\_don/biden-and-trump-are-not-far-apart-on-foreign-policy/article\_6c21d345-2c06-5423-b4d4-8f34005a2244.html)

When President Trump instructed the Pentagon to cut 9,500 troops from Germany, he was denounced by editorial writers, pundits, members of Congress, and European leaders. He also put a limit of 25,000 military personnel that can be stationed in Germany. Critics charged he was abandoning NATO.

Joe Biden didn’t join the chorus. It’s possible he agrees that America is overextended in Europe and needs to retrench. As the presidential campaign heats up, Trump and Biden agree on most foreign policy issues, except how to deal with Russian president Vladimir Putin. Regarding China, Europe, and the Persian Gulf, their positions are not in conflict, although they differ on tactics for handling them. They agree that Putin interfered in 2016 elections and that China is a dangerous threat to U.S. global interests. They share the view that a nuclear-armed Iran would be dangerous in the Persian Gulf and to Israel. In sum, the two candidates believe America must reduce its involvement abroad, especially military presence, in order to strengthen itself for the long-term competition with China.

American foreign policy since World War II may be divided into three distinct periods that correspond to changing world conditions: 1. Containment, from 1948 to 1990 when the Cold War ended; 2. Globalization, from 1990 to 2008 when the U.S. was the sole superpower and promoted international trade and investments; 3. Retrenchment, 2009 to 2020 when Obama and Trump decided to limit America’s military and political exposure abroad. Here’s the situation today:

Russia and Europe. Biden hasn’t disagreed with Trump on major decisions on relations with Europe, or on sanctioning Russia for its moves into Ukraine and harassment of three Baltic States. His reticence to criticize Trump on his troop withdrawal from Germany and threat to impose tariffs on imports from the European Union reflects the reality on Capitol Hill: Democrats haven’t challenged the president on reducing the costs of stationing the military abroad, or on taking a stand against what he calls “unfair trade practices.” When Hillary Clinton eventually opposed Barack Obama’s Trans-Pacific Trade Agreement (TPP), that potential trade issue disappeared from the campaign.

A major issue for both parties is how to challenge Vladimir Putin’s determination to reestablish Russian influence in Eastern Europe and the Baltic. The next president will need the cooperation of Western Europe’s leaders, particularly Germany’s because it emerged from the Cold War as the dominant economic and political power in Europe. Trump alienated European leaders with his anti-NATO rhetoric and U.S. tariffs on imports from Europe. Biden believes in cooperation with Europe and will make those views known in coming months.

China’s ambitions in Asia. There is consensus in Congress and the business community that China is a dangerous long-term threat to U.S. interests in Asia and potentially in Europe. In just twenty years, Communist China has become an economic power with spreading trade relations across the globe. It builds a formidable military force, including cyber warfare capability, to confront commercial shipping in the South China Sea and in Japanese and South Korean seas. It sponsors a global espionage network that steals technology from U.S. and European businesses and laboratories

As on Russia’s ambition in Europe, congressional attitude on China is openly negative, especially after Beijing’s clamp down in Hong Kong. Biden hasn’t criticized Trump’s handling of rocky relations with North Korea or its pressure on South Korea. But Trump and some members of Congress think 28,000 U.S. troops in South Korea is excessive and should be reduced.

Iran and the Persian Gulf. Like Xi Jinping in Asia and Vladimir Putin in Europe, Iran’s Ayatollah Khamenei is determined to recover Iran’s lost influence in the Persian Gulf area. At present, the U.S. 5th fleet, based in Bahrain, stands in his way. It protects the major oil production facilities in Saudi Arabia, Kuwait, the UAE, and Iraq, vital to the economies of Japan, South Korea, and several European countries. Tehran’s drive to become a nuclear power, designed to increase its influence in the entire Middle East, prompted Barack Obama in 2015 to agree to a time-limited nuclear agreement with Iran in return for lifting economic sanctions. Joe Biden as vice president favored the agreement, but Donald Trump did not. He soon withdrew U.S. support after reaching the White House. Biden has not raised this as a campaign issue, and congressional Democrats have avoided the question.

If Trump and Biden agree that U.S. troops in Afghanistan and Iraq should be reduced and withdrawn, and approve reducing forces in Germany and Korea, a serious domestic issue results: What happens when those troops return home? It reopens this question: Should the Army be reduced in size and the defense budget cut? That issue will no doubt confront the next Congress.

### 1NR—Indict

#### Treat their evidence with skepticism---there are strong financial incentives to defend hegemony and demonize alternatives.

Parmar 19, professor of International Politics at City, University of London, and Head of the Department of International Politics. He is a Fellow of the Academy of Social Sciences, and past President of the British International Studies Association. (Inderjeet, June 3rd, 2019; “Transnational Elite Knowledge Networks: Managing American Hegemony in Turbulent Times”, pg. 6-8, *Security Studies*, DOI: 10.1080/09636412.2019.1604986)

American elite knowledge networks center on the strategic and heavily interconnected corporate-philanthropic foundation. The liberal Ford and Rockefeller foundations and conservative variants all fund knowledge networks.28 Unburdened by electors or shareholders, these institutions are governed by trustees drawn from corporations, government, corporate media, and elite universities. Their elitist mindsets and ethno-racial and class identities differentiate these trustees from the majority of Americans. We can track the rise of American global hegemony by exploring the increasing significance of foundations and the institutional architecture that owes its origins to concentrated corporate wealth. At home, this comprised a dense network of think tanks, university foreign affairs organizations, area studies, and social-scientific programs, all of which interlinked with practitioners in politics, media, and government. These elite knowledge networks built long-term relationships that created pathways for the international circulation of ideas, people, and money, and usually connected strongly with American organizations like the Institute of Pacific Relations and the Council on Foreign Relations (CFR). These knowledge networks’ greatest achievement is the elaboration of a liberal-internationalist elite consensus that rejects isolationism and spans the two main political parties, the media, and attentive publics. With the American state’s full cooperation, such knowledge networks helped to establish the post-1945 liberal international order that included Bretton Woods, the United Nations, the Marshall Plan, and NATO.

Official institutions of the liberal international order included the intertwined spines of the private and state-private institutional architecture that had been established during the Cold War to perform the major functions of US hegemonic knowledge networks. These networks grew deep roots in core Western states and civil societies. Symbiotic with NATO, European unity, and the special relationship between the United States and the United Kingdom, such networks provided an international umbrella and developed politically powerful domestic constituencies that were invested in the liberal international order.29

Nevertheless, hegemony studies neglects American ideational-infrastructural power that is operationalized and embedded in influential power-knowledge networks, with linkages that unify private/public domains and international/domestic spheres, and that legitimize domestic vertical power inequality and horizontal inequalities between societies. Those networks are the power technology of the foreign policy establishment.30 Such neglect diminishes our understanding of the forces that perpetuate American hegemony and enable hegemonic elites to block or manage discontent. This article’s neo-Gramscian argument is that, despite crises and challenges that include the disruptive effects of Donald Trump’s presidential campaign and subsequent Twitter-disseminated rhetoric, those networks continue to successfully manage, channel, or block threats to American hegemony. Such networks are likely to remain significant during the Trump presidency, and to constrain attempts to radically alter the liberal international order.

American hegemony, because it is imperial in character and rooted in domestic power elites, is contested at home and abroad—more or less openly—depending on the balance of forces. Hegemony sets requirements on the hegemon. These requirements include delivery of certain freedoms, rights, security, and opportunities, which together construct “the American dream,” as well as a stable world order in which prosperity increases and aspirations appear achievable.31

### 1NR—Thucydides

#### No Thucydides trap---their authors ignore multiple conflict dampening factors

Pempel, 15, T.J Pempel; Jack M. Forcey Professor of Political Science for Study of East Asian Politics at the University of California at Berkeley. (10-29-15, “Thucydides (Clap)Trap: US-China Relations in a Changing Asia-Pacific,” *Global Asia*, https://www.globalasia.org/v10no4/feature/thucydides-claptrap-us-china-relations-in-a-changing-asia-pacific\_tj-pempel)

If a comprehensive power transition remains well over the horizon, multiple forces also mitigate against any “inevitability” regarding military conflict between the two. Endemic to the power transition logic is the high probability of a military clash between the declining hegemon fighting to maintain the “status quo” and a challenger anxious to upend it. This raises a second concern. There should be no presumption of clarity about any pre-existing status quo in today’s Asia-Pacific. Nor are the US and China respectively locked into identifiable roles as defender versus challenger of that presumed status quo.9 To date, both countries have instead shown far more fluidity in adapting to changing realities.

The US may seem rigid in its defense of such things as human rights, its Cold War alliance structure, and freedom of navigation. In turn, China, with its Asian Infrastructure Investment Bank (AIIB), may appear to be challenging the long-established global financial structure centered around the World Bank, International Monetary Fund (IMF) and Asian Development Bank (ADB). Equally it may seem to challenge existing maritime administrative controls with its nine-dash line and its salvos in contested maritime space. It also rejects the premise of an open Internet by its domestic restrictions on citizen access.

Offsetting American efforts to safeguard a number of longstanding practices and principles, however, is the fact that the US has long welcomed and contributed to China’s economic development, just as it did that of Japan and Germany decades earlier. Equally, Washington has encouraged China’s participation in numerous multilateral institutions from the World Trade Organization (WTO) to the International Atomic Energy Agency (IAEA), while also co-operating with China in forging new institutions such as the Six-Party talks or their own bilateral Strategic and Economic Dialogue. As well, Washington has accepted rules it did not set by joining organizations initiated by others, including APEC and the East Asia Summit as well as the G-20 and the North Pacific Coast Guard Forum, for example.

Equally, China has eagerly joined and today actively participates in countless multilateral bodies such as the WTO and the IMF, which required major accommodations within China’s domestic financial and economic system in favor of rules it had little role in shaping. China has been an engaged and rule-abiding member of numerous other regional and global institutions, while also being the world’s most selfless provider of troops to international UN peacekeeping missions.

What we see, instead of two scorpions eying each other warily from opposite ends of a bottle, are two countries in a continual, complex dance of pragmatic adaptation to changing realities. There is little evidence of unbending stances favoring continuity or change. Without a doubt the two countries’ self-defined interests often clash. Such clashes will, like disagreements between any two countries, require acknowledgment and sometimes painful and uneasy accommodation, but they need not result in military conflict. Two countries can be at odds without being at war.

Still, a third counter to the logic of a conflict-laden power transition concerns the non-reinforcing nature of the two countries’ military and economic interests. Unlike prior historical transitions marked by wars, whether that between Athens and Sparta 2,400 years ago or the US and Japan in the 1940s or by the Cold War standoff that marked US-China relations of a few decades ago, the economic and security interests of today’s China and the US are divergent rather than mutually overlapping. Their military postures may hint at a renewed Cold War bipolarity. China remains a protector of North Korea while its relations with Russia have warmed, extending to the two countries’ co-operation in the Shanghai Co-operation Organization (SCO), which some label an “anti-NATO.”10 The US, in turn, continues to strengthen its security alliances with South Korea, Japan and throughout the Asia-Pacific.

Yet any such geostrategic bifurcation is offset by a thick network of financial, trade and monetary interdependencies that include investments, regional production networks, bond markets and trade ties. These weave close linkages that counterbalance the separation in defense and security. Paradoxically, each country’s ability to compete with the other now depends to a considerable degree on the other’s sustained economic success. Where their militaries envision adversaries, their business leaders see profit-generating partners.

This economic interdependence leads to a fourth factor militating against conflict. Just as the two countries now are linked through complex interdependence, particularly in the economic arena, so have they found common grounds for collaboration in multiple arenas such as counter piracy actions in the Gulf of Aden, the Iran nuclear deal, economic responses to the Lehman Shock of 2007, co-operation through the Six-Party talks and recent bilateral agreements on cybersecurity and climate change abatement, to mention only a few instances where mutual co-operation has trumped competition. The two countries’ interests episodically clash, but equally noteworthy they frequently align. There is no reason to presume that going forward this mix will not continue. If the recent sailing of the USS Lassen near China’s new maritime reclamation activities in the South China Sea suggests, for example, classic confrontational behaviors by both sides driving toward a power transition, the less well-publicized friendly visit by the USS Stethem to Shanghai a week later underscores the positive and ongoing military-to-military co-operation the two pursue on an ongoing basis.

Fifth and most important, the logic of power transition rests heavily on structural changes, primarily in the material power balance between two pivotal nation-states. Power transition’s predictions of conflict afford little influence to the significance of agency (i.e. human choice). Under power transition logic, “leaders” in each of the contesting powers emerge as little more than sock puppets responding to shifts in material power. The appeal of parsimony offered by a theoretical perspective like power transition carries with it the drawback of teleology. Human beings can learn; they are more than lemmings compelled by some materialist DNA to march [ignorantly]~~blindly~~ off the same cliff as their historical predecessors. An awareness of the devastating consequences of the two world wars and the even more ominous destructive power of nuclear weapons helped keep the US and the USSR from direct military confrontation for over 40 years. Equally, few political leaders in any of today’s major powers, including China and the US, envision war with one another as a viable mechanism by which to advance their nations’ well-being.11

These factors all weigh strongly against the logic of power transition and its presumptions of probable, if not inescapable, conflict. Future relations between China and the US, as well across the Asia-Pacific more broadly, are more likely to be characterized neither by rigid defense of existing security and economic arrangements nor by their obliteration at the hands of a rising power. More likely will be the less dramatic but more salutary process of uneasy accommodation as each state adjusts to the evolving challenges created by multidimensional regional and bilateral interdependence, as well as shifts in conventional power resources such as wealth and military strength.

This unfolding dynamic will unquestionably require adaptations — often painful ones — to new realities by all parties to that dynamic. However, today’s extensive interweaving of military balances, complex interdependence and overlapping spheres of co-operation are likely to deepen further, providing ongoing incentives to leaders in both China and the US to continue their avoidance of military confrontations. “Uneasy accommodation” is far more likely to be a compelling course for both countries’ leaders than is unrelenting animosity so long as proponents of inevitable enmity do not gain control of policy-making in either country. Instead, the leaders of China and the US, along with those of other states in the region, must continue to enhance their co-operative and positive-sum interactions while minimizing and managing interactions likely to be confrontational and zero-sum.12

History defies teleology. Certainly, that is also true of the theory of power transition. The future of US-China relations and of East Asia are far from predestined. Rather, the Asia-Pacific’s future will emerge as the product of choices made by leaders today and tomorrow. Farsightedness aimed at fostering a positive bilateral and regional order will be essential if such an order is to be forged. But the first requirement of any such future will be for leaders to avoid trapping themselves and limiting their creativity by presuming that their future is preordained to be conflictual. Only then can they avoid the strategic dilemma of imputing the worst intentions to one another and thus creating the downward spiral into mutual mistrust and conflict that each allegedly seeks to avoid.

### 1NR—Leadership

#### US leadership undermines liberal norms---China solves better.

McKinney 19, \*Jared Morgan; PhD candidate at the S. Rajaratnam School of International Studies, Nanyang Technological University (Singapore); \*\*Nicholas Butts; Center for Strategic and International Studies Pacific Forum Young Leader. He holds an LL.M. from Peking University, an MSc from The London School of Economics and an MPA from Harvard University where he was also a Crown Prince Frederik Scholar and a Cheng Fellow. (Winter 2019, “Bringing Balance to the Strategic Discourse on China’s Rise”, *Journal of Indo-Pacific Affairs*, pg. 75-76, https://www.airuniversity.af.edu/Portals/10/JIPA/journals/Volume-02\_Issue-4/McKinney.pdf)

In the abstract, such claims are alarming—in context, and in balance, rather humdrum. In fact, the evidence of any Chinese intention to destroy, or even merely undermine and exploit, the current order is slight. China is certainly using its growing military power to defend its claims in the SCS and even—on occasion— to coerce its neighbors. It uses protectionist economic policies to boost the prospects of Chinese companies and reduce competition. It employs economic statecraft to serve its interests abroad. And it certainly is opposed to America’s policy of global democracy promotion. However, none of these positions fundamentally challenge the existing order, none of them radically depart from America’s own actions when it was a rising power in the nineteenth century, and none of them obviously surpass America’s own contemporary record of order subversion.

When the United States was a rising power, it took half of Mexico and considered taking the rest, it colonized the Philippines and Hawaii, and it unilaterally seized the maritime choke points of the Caribbean (Puerto Rico and Cuba).21 The United States used tariffs—which by 1857 averaged 20 percent22 and by the end of the nineteenth century were “the highest import duties in the industrial world”23—to protect its industries. It stole intellectual property,24 and it ideologically challenged the governments of the “Old World.” Today, despite no longer being a rising power, the United States has launched two disastrous invasions, tortured prisoners, and dispatches drone strikes at a whim with little international legal authority.25 The point is not that two wrongs make a right; it is that international order is much more resilient than critics seem to realize,26 and it is utopian to expect any rising Great Power to act in a way that uniformly satisfies one’s moral scruples, evolving, in Friedberg’s words, “into a mellow, satisfied, ‘responsible’ status quo power.”27

Friedberg or Harris might object that America’s rise took place in the context of a different order. This is perfectly true, but the more important point is that the long nineteenth century (1815–1914)—the era of America’s rise—was the first iteration of the New Peace.28 The implication is that relative peace can and has coexisted with limited wars, property and territorial thefts, acts of coercion, and aggressive assertions of status. This does not mean any of these are desirable— they are not—but it shows that they need not be fatal to the system. Insofar as there is a lesson from that first period of relative peace, it is that Great Power confrontation is the one thing that is fatal. Accepting this does not mean capitulating in every instance, as implied by some,29 but it does mean rediscovering the rules of Great Power competition30 alongside the art of strategy.31

Focusing only on areas that China’s rise violates the scruples of the established powers, moreover, downplays the extent to which China, has, in fact, conformed to the existing order. As a RAND Corporation report published in 2018 concludes, China has been a supporter—albeit a conditional one—of the international order: “Since China undertook a policy of international engagement in the 1980s … the level and quality of its participation in the order rivals that of most other states.”32 The way in which Xi Jinping, following his 2017 Davos speech in defense of globalization, has been heralded as the most prominent champion of international order and defender of globalization underscores the fact that there are different elements of this order, and that China supports many, if not most, of them. Even in places where China is supposedly “altering” the current order, Beijing tends to simultaneously affirm that order. China’s Asian Infrastructure Investment Bank, for instance, actually mirrors existing structures, and China has intentionally copied elements and “best practices” of the World Bank and Asian Development Bank. China is playing the same game, even if it is seeking a bigger role within it.33

#### No china war — that’s Lei. There’s strong deterrents, the US and China are adept at operating in grey zones. The US can use sanctions, both countries are weary of war, and the economy is slowing.

### 1NR—AI

#### Military AI impact is alarmism---PLA is de-coupled and applications are defensive.

Ding 18 (Jeffrey, Centre for the Governance of AI, Future of Humanity Institute, University of Oxford, “Deciphering China’s AI Dream,” March 2018, <https://www.fhi.ox.ac.uk/wp-content/uploads/Deciphering_Chinas_AI-Dream.pdf>, DOA: 1-5-2021) //Snowball

Media reports of an AI arms race between the U.S. and China have proliferated in 2017,153 and leading thinkers have identified AI as a technology that could provide a decisive strategic advantage in the international security realm.154 In contrast, much of the Chinese academic literature discussing military possibilities for AI technology has been largely abstract and speculative, and a majority of it references or focuses on the U.S. Defense Advanced Research Projects Agency’s activities.155 Chinese military institutions, such as the NUDT, have increased their research efforts on intelligent robotics.156 In the short-term, the People’s Liberation Army (PLA) will likely continue to adopt a range of unmanned vehicles into all four services (Army, Navy, Air Force, and Rocket Force).157 Combined with breakthroughs in UAV swarming and intelligentized missiles, these developments could challenge the U.S. military presence in the Pacific theater.

In the long-term, China’s AI development could revolutionize its conduct of military affairs. Although material evidence for Chinese militarization of AI is limited, some rhetorical evidence does show that China sees AI as a revolutionary military technology. In a statement on the central government’s work report by Lieutenant General Liu Guozhi, director of the Central Military Commission’s Science and Technology Commission, he states, in reference to military applications of AI, that the world is “on the eve of a new scientific and technological revolution,” and “whoever doesn’t disrupt will be disrupted!”158 Combined with AI’s dual-use nature, China’s high degree of civil-military fusion has raised concerns about the military applications of AI. Li Deyi, as a quintessential example, is both the director of the Chinese Association for Artificial Intelligence and a major general in the PLA.159 To emphasize, many of these projections are largely speculative as the most sensitive military AI applications are not publicly disclosed. There is not a coherent consensus of ideas on AI in warfare within the PLA. Moreover, the influence of the PLA is not overwhelming, as other bureaucratic entities often have diverging views and the central party apparatus possesses final decision-making powers.

The degree to which China’s militarization will constitute a revolution in military affairs is an important question. Drawing from Chinese-language, open-source articles by military scholars, a recent report by Elsa Kania, at the Center for a New American Security (CNAS), argues that the Chinese People’s Liberation Army (PLA) views AI as a “trump card” technology that could revolutionize the conduct of future warfare.160 As the CNAS report acknowledges, the thinking of the PLA and the central government on the direction of military AI is not solidified. Evidence from the PLA’s investment in UAV swarming and intelligentized missiles shows that the most immediate applications of military AI could align with more limited, defensive goals, including asymmetric countering of U.S. military superiority in the Western Pacific and protecting China’s nuclear deterrent.161