# Speech 1AC Colleyville Octas vs Coppell 2-5 3PM

#### Cw – suicide

#### The appropriation of space by private entities isn’t value neutral but is facilitated by the cosmic elite and unequal IR.

Stockwell 20 [Samuel Stockwell (Research Project Manager, the Annenberg Institute at Brown University). “Legal ‘Black Holes’ in Outer Space: The Regulation of Private Space Companies”. E-International Relations. Jul 20 2020. Accessed 12/7/21. <https://www.e-ir.info/2020/07/20/legal-black-holes-in-outer-space-the-regulation-of-private-space-companies/> //Xu]

The US government’s support for private space companies is also likely to lead to the reinforcement of Earth-bound wealth inequalities in space. Many NewSpace actors frame their long-term ambitions in space with strong anthropogenic undertones, by offering the salvation of the human race from impending extinction through off-world colonial developments (Kearnes & Dooren: 2017: 182). Yet, this type of discourse disguises the highly exclusive nature of these missions. Whilst they seem to suggest that there is a stake for ordinary citizens in the vast space frontier, the reality is that these self-described space pioneers are a member of a narrow ‘cosmic elite’ – “founders of Amazon.com, Microsoft, Pay Pal… and a smattering of games designers and hotel magnates” (Parker, 2009: 91). Indeed, private space enterprises have themselves suggested that they have no obligation to share mineral resources extracted in space with the global community (Klinger, 2017: 208). This is reflected in the speeches of individuals such as Nathan Ingraham, a senior editor at the tech site EngadAsteroid mining, who claimed that asteroid mining was “how [America is] going to move into space and develop the next Vegas Strip” (Shaer, 2016: 50). Such comments highlight a form of what Beery (2016) defines as ‘scalar politics’. In similar ways to the ‘scaling’ of unequal international relations that has constituted our relationship with outer space under the guise of the ‘global commons’ (Beery, 2016: 99), private companies – through their anthropogenic discourse – are scaling existing Earth-bound wealth inequalities and social relations into space by siphoning off extra-terrestrial resources. By constructing their endeavours in ways that appeal to the common good, NewSpace actors are therefore concealing the reality of how commercial resource extraction serves the exclusive interests of their private shareholders at the expense of the vast majority of the global population.

### Part 1 is Racial Capitalism

#### All Capitalism is Racial Capitalism – space commercialization cannot sustain itself without disposable populations.

Burden-Stelly 20 [Bracketed for women to womxn. Footnote 14 is inserted below the paragraph it’s cited in, other footnotes excluded for readability. Charisse Burden-Stelly (Visiting Scholar in the Race and Capitalism Project at the University of Chicago. She is currently an African-American Assistant Professor of Africana Studies and Political Science at Carleton College). “Modern U.S. Racial Capitalism: Some Theoretical Insights”. The Monthly Review, Volume 72, Number 3. 7/1/20. Accessed 11/3/21. <https://monthlyreview.org/2020/07/01/modern-u-s-racial-capitalism/> //Xu]

Drawing on the intellectual production of twentieth-century Black anticapitalists, I theorize modern U.S. racial capitalism as a racially hierarchical political economy constituting war and militarism, imperialist accumulation, expropriation by domination, and labor superexploitation.14 The racial here specifically refers to Blackness, defined as African descendants’ relationship to the capitalist mode of production—their structural location—and the condition, status, and material realities emanating therefrom.15 It is out of this structural location that the irresolvable contradiction of value minus worth arises. Stated differently, Blackness is a capacious category of surplus value extraction essential to an array of political-economic functions, including accumulation, disaccumulation, debt, planned obsolescence, and absorption of the burdens of economic crises.16 At the same time, Blackness is the quintessential condition of disposability, expendability, and devalorization. [Footnote 14]: Another feature of modern U.S. racial capitalism is property by dispossession. In Theft Is Property! Dispossession and Critical Theory, Robert Nichols draws on the experience of Indigenous peoples in the United States, Canada, and New Zealand to theorize how the “system of landed property” was fundamentally predicated on violent dispossession. While the Anglo-derived legal-political regimes differed in these localities, the “intertwined and co-constitutive” material effects converged in the legalized theft of indigenous territory amounting in “approximately 6 percent of the total land on the surface of Earth.” Such dispossession, Nichols notes, is recursive: “In a standard formulation one would assume that ‘property’ is logically, chronologically, and normatively prior to ‘theft.’ However, in this (colonial) context, theft is the mechanism and means by which property is generated: hence its recursivity. Recursive dispossession is effectively a form of property-generating theft.” As such, theft and dispossession, through property regimes, are an ongoing feature of the Indigenous reality of modern U.S. racial capitalism. Robert Nichols, Theft Is Property! Dispossession and Critical Theory (Durham: Duke University Press, 2020), 50–51. My operationalization of capitalism follows Oliver Cromwell Cox’s explication in Capitalism and American Leadership.17 Modern U.S. racial capitalism arose in the context of the First World War, when, as Cox explains, the United States took advantage of the conflict to capture the markets of South America, Asia, and Africa for its “over-expanded capacity.”18 Cox further expounds upon this auspicious moment of ascendant modern U.S. racial capitalism thus: By 1914, the United States had brought its superb natural resources within reach of intensive exploitation. Under the stimulus of its foreign-trade outlets, the financial assistance of the older capitalist nations, and a flexible system of protective tariffs, the nation developed a magnificent work of transportation and communication so that its mines, factories, and farms became integrated into an effectively producing organism having easy access to its seaports.… [Likewise,] further internal expansion depended upon far greater emphasis on an ever widening foreign commerce.… Major entrepreneurs of the United States proceeded to step up their campaign for expansion abroad. The war accentuated this movement. It accelerated the growth of [modern] American [racial] capitalism and impressed upon its leaders as nothing had before the need for external markets.19 Relatedly, Peter James Hudson argues that the First World War fundamentally changed the terms of order of international finance, allowing New York to compete with London, Paris, and Berlin for the first time in the realm of global banking. This was not least because the Great War “drastically reordered global credit flows,” with the United States transforming from a debtor into a creditor nation.20 In addition to Latin American and Caribbean nations and businesses turning to the United States for financing and credit, domestic saving and investment patterns were altered to the benefit of imperial financial institutions like the City Bank.21 Although the United States is, to use Cox’s terminology, more a “lusty child of an already highly developed capitalism” than an exceptional capitalist power, the nation perfected its techniques of accumulation through its vast natural wealth, large domestic market, imbalance of Northern and Southern economies, and, importantly, through its lack of concern for the political and economic welfare of the overwhelming masses of its population, least of all the descendants of the enslaved.22 Modern U.S. racial capitalism is thus sustained by military expenditure, the maintenance of an extremely low standard of living in “dependent” countries, and the domestic superexploitation of Black toilers and laborers. Cox notes that Black labor has been the “chief human factor” in wealth production; as such, “the dominant economic class has always been at the motivating center of the spreads of racial antagonism. This is to be expected since the economic content of the antagonism, especially at its proliferating source in the South, has been precisely that of labor-capital relations.”23 In a general sense, racial capitalism in the United States constitutes “a peculiar variant of capitalist production” in which Blackness expresses a structural location at the bottom of the labor hierarchy characterized by depressed wages, working conditions, job opportunities, and widespread exclusion from labor unions.24 Furthermore, modern U.S. racial capitalism is rooted in the imbrication of anti-Blackness and antiradicalism. Anti-Blackness describes the reduction of Blackness to a category of abjection and subjection through narrations of absolute biological or cultural difference; ruling-class monopolization of political power; negative and derogatory mass media propaganda; the ascent of discriminatory legislation that maintains and reinscribes inequality, not least various modes of segregation; and social relations in which distrust and antipathy toward those racialized as Black is normalized and in which “interracial mass behavior involving violence assumes a continuously potential danger.”25 Anti-Blackness thus conceals the inherent contradiction of Blackness—value minus worth—obscuring and distorting its structural location by, as Ralph and Singhal remark, contorting it into only a “debilitated condition.”26 Antiradicalism can be understood as the physical and discursive repression and condemnation of anticapitalist and/or left-leaning ideas, politics, practices, and modes of organizing that are construed as subversive, seditious, and otherwise threatening to capitalist society. These include, but are not limited to, internationalism, anti-imperialism, anticolonialism, peace activism, and antisexism. Anti-Blackness and antiradicalism function as the legitimating architecture of modern U.S. racial capitalism, which includes rationalizing discourses, cultural narratives, technologies of repression, legal structures, and social practices that inform and are informed by racial capitalism’s political economy.27 Throughout the twentieth century, anti-Blackness propelled the “Black Scare,” defined as the specter of racial, social, and economic domination of superior whites by inferior Black populations. Antiradicalism, in turn, was enunciated through the “Red Scare,” understood as the threat of communist takeover, infiltration, and disruption of the American way of life.28 For example, in the 1919 Justice Department Report, Radicalism and Sedition Among the Negroes, As Reflected in Their Publications, it was asserted that the radical antigovernment stance of a certain class of Negroes was manifested in their “ill-governed reaction toward race rioting,” “threat of retaliatory measures in connection with lynching,” open demand for social equality, identification with the Industrial Workers of the World (IWW), and “outspoken advocacy of the Bolshevik or Soviet doctrine.”29 Here, anti-Blackness, articulated through the fear of the “assertion of race consciousness,” was attached to the IWW and Bolshevism—in other words, to anticapitalism—to make it appear even more subversive and dangerous. Likewise, antiradicalism, expressed through the denigration of the IWW and Soviet Doctrine, was made to seem all the more threatening and antithetical to the social order in its linkage with Black insistence on equality and self-defense against racial terrorism. In this way, “defiance and insolently race-centered condemnation of the white race” and “the Negro seeing red” came to be understood as seditious in the context of modern U.S. racial capitalism. The link between my theory of modern U.S. racial capitalism and Robinson’s catholic theory of racial capitalism, beyond his “suggest[ion] that it was there,” is vivified through the prison abolitionist and scholar Ruth Wilson Gilmore, who writes: “Capitalism…[is] never not racial.… Racial capitalism: a mode of production developed in agriculture, improved by enclosure in the Old World, and captive land and labor in the Americas, perfected in slavery’s time-motion, field factory choreography, its imperative forged on the anvils of imperial war-making monarchs.”30 Racial capitalism, she continues, “requires all kinds of scheming, including hard work by elites and their compradors in the overlapping and interlocking space-economies of the planet’s surface. They build and dismantle and reconfigure states, moving capacity into and out of the public realm. And they think very hard about money on the move.”31 Perhaps more than Gilmore, though, my approach aligns with that of Neville Alexander as described by Hudson.32 Like Alexander, who focused on South Africa, I offer a particularistic understanding of racial capitalism, mine being rooted in the political economy of Blackness and the legitimating architectures of anti-Blackness and antiradicalism in the United States. Gilmore qua Robinson offers a more universalist and transhistorical conception. Like Alexander, my theory of modern U.S. racial capitalism is primarily rooted in (Black) Marxist-Leninists and fellow travelers. This is an important epistemological distinction: whereas Robinson finds Marxism-Leninism to be, at best, inattentive to race, my theory of modern U.S. racial capitalism is rooted in the work of Black freedom fighters who, as Marxist-Leninists, were able to offer potent and enduring analyses and critiques of the conjunctural entanglements of racialism, white supremacy, and anti-Blackness, on the one hand, and capitalist exploitation and class antagonism on the other hand.33 Although Robinson draws on scholars like Fernand Braudel, Henri Pirenne, David Brion Davis, and Eli Heckscher to understand European history, socialist theory, and the European working class, the work of Black Marxists like James Ford, Walter Rodney, Amílcar Cabral, and Paul Robeson offer me those same intellectual, historical, and theoretical resources. Finally, I agree with Alexander that the resolution to racial capitalism is antiracist socialism, not a cultural-metaphysical Black radical tradition. In what remains of this essay, I will draw on the work of Black Marxist-Leninists and anticapitalists to explicate the defining features of modern U.S. racial capitalism—war and militarism, imperialist accumulation, expropriation by domination, labor superexploitation, and property by dispossession. In this, I demonstrate that their critiques and analyses offer a blueprint for theorizing modern U.S. racial capitalism. War and militarism facilitate the endless drive for profit. Military conflicts between imperial powers result in the reapportioning of boundaries, possessions, and spheres of influence that often exacerbate racial and spatial economic subjection. War and militarism also perpetuate the endless construction of “threats,” primarily in racialized and socialist states, against which to defend progress, prosperity, freedom, and security. The manufacturing of conflict legitimates the mobilization of extraordinary violence to expropriate untold resources that produce relations of underdevelopment, dependency, extraversion, and disarticulation in the Global South. Moreover, the ruling elite and labor aristocracy in imperialist countries, not least the United States, wage perpetual war to defend their way of life and standard of living against the racialized majority who, because they would benefit most from the redistribution of the world’s wealth and resources, represent a perpetual threat. Here, Du Bois’s 1915 essay, “The African Roots of War,” is instructive.34 Though he does not directly analyze the United States, he nonetheless demonstrates how racism, white supremacy, and the plunder of Africa underpinned the capitalist imperialist war that engulfed the world from July 1914 to November 1918—a war that catapulted the United States into the center of the capitalist world system. Using Du Bois’s own words, Hubert Harrison, the father of Harlem radicalism, makes the direct link: But since every industrial nation is seeking the same outlet for its products, clashes are inevitable and in these clashes beaks and claws—armies and navies—must come into play. Hence beaks and claws must be provided beforehand against the day of conflict, and hence the exploitation of white men in Europe and America becomes the reason for the exploitation of black and brown and yellow men in African and Asia. And, therefore, it is hypocritical and absurd to pretend that the capitalist nations can ever intend to abolish wars.… For white folk to insist upon the right to manage their own ancestral lands, free from the domination of tyrants, domestic and foreign, is variously described as “democracy” and “self-determination.” For Negroes, Egyptians and Hindus to seek the same thing is impudence.… Truly has it been said that “the problem of the 20th century is the problem of the ‘Color Line.'” And wars are not likely to end; in fact, they are likely to be wider and more terrible—so long as this theory of white domination seeks to hold down the majority of the world’s people under the iron heel of racial oppression.35 For Du Bois, the imperialist rivalry for the booty on offer in Africa drove Berlin’s efforts to consolidate its place in the sun by displacing London in particular. While Vladimir Lenin understood that “the war [was] a product of half a century of development of world capitalism and of billions of threads and connections,” Du Bois expanded this analysis by providing a critique of the racial foundations of capitalist expansion.36 He held that the struggle to the death during the Great War for African resources and labor had begun to “pay dividends” centuries earlier through the enslavement of African peoples, the subsequent conflation of color and inferiority, and the reduction of what was routinely referred to as the “Dark Continent” to a space of backwardness ideally suited for dispossession. He further noted that “with the waning possibility of Big Fortune…at home, arose more magnificently the dream of exploitation abroad,” especially in Africa—a dream shared by white labor and the ruling class.37 In other words, this “democratic despotism” allowed for the white working class to “share the spoil of exploiting ‘chinks and niggers,'” and facilitated the creation of “a new democratic nation composed of united capital and labor” that perpetuated racial capitalism across class lines.38 Moreover, this national unity was strengthened through the disrespect and dehumanization of the racialized toilers and peasants in the plundered colonies that mitigated the exploitation and impoverishment of the white working class in imperial countries. This superexploitation allowed white workers to get a share, however pitiful, of “wealth, power, and luxury…on a scale the world never saw before” and to benefit from the “new wealth” accumulated from the “darker nations of the world” through cross-class consent “for governance by white folk and economic subjection to them”—a consensus solidified through the doctrine of “the natural inferiority of most men to the few.”39 Given the entanglement of racialization and capitalist exploitation, Du Bois averred, “Racial slander must go. Racial prejudice will follow…the domination of one people by another without the other’s consent, be the subject people black or white, must stop. The doctrine of forcible economic expansion over subject people must go.” Insofar as this admonishment applied as much to the United States as to European imperialists, beyond the international proletariat, it was the darker peoples and nations of the world who would challenge racial capitalism, not least “the twenty-five million grandchildren of the European slave trade…and first of all the ten million black folk in the United States.”40 Imperialist accumulation denotes the rapacious conscription of resources and labor for the purpose of superprofits through violent means that are generally reserved for populations deemed racially inferior. On the precipice of the Great Depression, the prominent Black communist James Ford beautifully explicated imperialist accumulation. In his 1929 report on the Second World Congress of the League Against Imperialism, he explained that the extant political economy constituted the consolidation of Africa’s partition and the “complete enslavement of its people”; the arresting of its industrialization, which hindered the development of the “toiling masses”; and the relegation of the continent to a source of raw material, a market for European goods, and a dumping ground for accumulated surplus capital. In the U.S. South, the Black poor were dehumanized by Wall Street, “white big business,” and the “rising Negro bourgeoisie” whose condition of possibility was the subjection of the Black working class. This oppression was exacerbated by rigid racial barriers, disenfranchisement, and lynching. Ford further argued that the West Indies, subjected to U.S. militarism and occupation on behalf of Wall Street, were largely transformed into a marketplace for U.S. goods. Moreover, throughout Africa, the U.S. South, and the Caribbean, Black workers were impressed into forced labor, laying railroads, building roads and bridges, and working in mines; were entrapped on plantations through peonage; and were subjected to convict leasing. In addition, they suffered intolerable working conditions and routinized violence.41 Expropriation by domination designates the seizure and confiscation of land, assets, property, bodies, and other sources of material wealth set to work by relations of economic dependence. This relationship exists both between nations and between groups. A quintessential enunciation of expropriation by domination between groups is We Charge Genocide: The Historic Petition to the United Nations for Relief from a Crime of the United States Government Against the Negro People, edited by the Black Communist William Patterson (with significant help from his wife and comrade Louise Thompson Patterson) and submitted to the United Nations by the Civil Rights Congress in 1951.42 The petition meticulously documented the past and present expropriation of Black people by the ruling class of modern U.S. racial capitalism through consistent and persistent discrimination in employment, unfair wages, forced ghettoization, inequitable and inferior accommodation and services, and the denial of justice in the courts. It further argued that this process was sustained by genocidal terror, white supremacist law, and the drive of monopoly capitalists for superprofits. Importantly, We Charge Genocide noted that, for primarily economic reasons, the historical and geographical locus of anti-Black genocide was the “Black Belt” of the Southern United States, a region expropriated by the Northern industrial capitalists and by Southern landowners alike. This was due in large part to plantation systems of sharecropping and peonage—legacies of slavery—in which Black political and economic rights were virtually nonexistent, Black laborers were inexorably tied to the land through debt, and the threat of violence and death precluded demands for justice. For Patterson, such expropriation by domination was the basis of “racist contamination that has spread throughout the United States.”43 We Charge Genocide further conveyed that expropriation by domination, a central element of modern U.S. racial capitalism, was more than a domestic concern because such practices “at home must inevitably create racist commodities for export abroad—must inevitably tend toward war.”44 Labor superexploitation can be understood as an economic relationship in which the intensity, form, and racial basis of exploitation differs little from slavery. Its effects are so extreme that it pushes racialized, particularly Black, labor effectively below the level of sheer physical subsistence. As Harrison explained, in the context of modern U.S. racial capitalism, Black workers “form a group that is more essentially proletarian than any other American group” because enslaved Africans were brought to the “new world” to be ruthlessly exploited. This reality fixed their social status as the most despised group, which in turn intensified their subjection.45 Likewise, organizations like the American Negro Labor Congress and the Anti-Imperialist League analyzed that the racial capitalist superexploitation of Black nations like Haiti in the first quarter of the twentieth century for the purposes of consolidating Wall Street control over land, commercial relations, and production was accompanied by the brutalization of Black labor, the export of Jim Crow practices, military occupation, and political repression.46 In effect, superexploitation results from the conjuncture of white supremacy, racialization, and the “badge of slavery,” which exacerbates the conditions of exploitation to which white working classes are subjected. As the Black Marxist Harry Haywood argued in 1948, “the stifling effects of the race factor are most strikingly illustrated by the drastic differences in the economic and cultural status of Negroes and whites.… Beyond all doubt, the oppression of the Negro, which is the basis of the degradation of the ‘poor whites,’ is of separate character demanding a special approach.”47 Superexploitation, he explained further, constitutes a combination of direct exploitation, outright robbery, physical violence, legal coercion, and perpetual indebtedness. It stifles “the free economic and cultural development” of the Black masses “through racist persecution as a basic condition for maintaining” virtual enslavement.48 The entrapment of Black [womxn] women in domestic labor throughout the twentieth century—a function of their “triple oppression”—is perhaps the most glaring example of labor superexploitation under modern U.S. racial capitalism. In 1936, the lifelong Black radical Louise Thompson explained that Black women’s superexploitation in the capitalist mode of production was based on their race, sex, and subordination in the labor market.49 That same year, Black militants Marvel Cooke and Ella Baker published an article titled “The Bronx Slave Market” in which they studied triple oppression as it related to Black domestic workers. Cooke and Baker explained that the entanglements of racism, sex-based labor subordination, and structural poverty were deeply intensified by the Great Depression and forced Black domestic workers to pauperize their labor for the abysmal wage of less than thirty cents an hour. This form of labor exploitation was unique to the female sex because domestic work was conventional “women’s work,” and it was racialized insofar as the denigration of Black people fitted this group of women for low-wage, unprotected, and contingent labor.50

**Resource competition and wealth extraction under Racial Capitalism produces fascism, endless war and environmental destruction**

Robinson 14(William I., Prof. of Sociology, Global and International Studies, and Latin American Studies, @ UC-Santa Barbara, “Global Capitalism: Crisis of Humanity and the Specter of 21st Century Fascism” The World Financial Review)

Cyclical, Structural, and Systemic Crises Most commentators on the contemporary crisis refer to the “Great Recession” of 2008 and its aftermath. Yet the causal origins of global crisis are to be found in over-accumulation and also in contradictions of state power, or in what Marxists call the internal contradictions of the capitalist system. Moreover, because the system is now global, crisis in any one place tends to represent crisis for the system as a whole. The system cannot expand because the marginalisation of a significant portion of humanity from direct productive participation, the downward pressure on wages and popular consumption worldwide, and the polarisation of income, has reduced the ability of the world market to absorb world output. At the same time, given the particular configuration of social and class forces and the correlation of these forces worldwide, national states are hard-pressed to regulate transnational circuits of accumulation and offset the explosive contradictions built into the system. Is this crisis cyclical, structural, or systemic? Cyclical crises are recurrent to capitalism about once every 10 years and involve recessions that act as self-correcting mechanisms without any major restructuring of the system. The recessions of the early 1980s, the early 1990s, and of 2001 were cyclical crises. In contrast, the 2008 crisis signaled the slide into a structural crisis. Structural crises reflect deeper contra- dictions that can only be resolved by a major restructuring of the system. The structural crisis of the 1970s was resolved through capitalist globalisation. Prior to that, the structural crisis of the 1930s was resolved through the creation of a new model of redistributive capitalism, and prior to that the struc- tural crisis of the 1870s resulted in the development of corpo- rate capitalism. A systemic crisis involves the replacement of a system by an entirely new system or by an outright collapse. A structural crisis opens up the possibility for a systemic crisis. But if it actually snowballs into a systemic crisis – in this case, if it gives way either to capitalism being superseded or to a breakdown of global civilisation – is not predetermined and depends entirely on the response of social and political forces to the crisis and on historical contingencies that are not easy to forecast. This is an historic moment of extreme uncertainty, in which collective responses from distinct social and class forces to the crisis are in great flux. Hence my concept of global crisis is broader than financial. There are multiple and mutually constitutive dimensions – economic, social, political, cultural, ideological and ecological, not to mention the existential crisis of our consciousness, values and very being. There is a crisis of social polarisation, that is, of social reproduction. The system cannot meet the needs or assure the survival of millions of people, perhaps a majority of humanity. There are crises of state legitimacy and political authority, or of hegemony and domination. National states face spiraling crises of legitimacy as they fail to meet the social grievances of local working and popular classes experiencing downward mobility, unemployment, heightened insecurity and greater hardships. The legitimacy of the system has increasingly been called into question by millions, perhaps even billions, of people around the world, and is facing expanded counter-hegemonic challenges. Global elites have been unable counter this erosion of the system’s authority in the face of worldwide pressures for a global moral economy. And a canopy that envelops all these dimensions is a crisis of sustainability rooted in an ecological holocaust that has already begun, expressed in climate change and the impending collapse of centralised agricultural systems in several regions of the world, among other indicators. By a crisis of humanity I mean a crisis that is approaching systemic proportions, threatening the ability of billions of people to survive, and raising the specter of a collapse of world civilisation and degeneration into a new “Dark Ages.”2 This crisis of humanity shares a number of aspects with earlier structural crises but there are also several features unique to the present: 1. The system is fast reaching the ecological limits of its reproduction. Global capitalism now couples human and natural history in such a way as to threaten to bring about what would be the sixth mass extinction in the known history of life on earth.3 This mass extinction would be caused not by a natural catastrophe such as a meteor impact or by evolutionary changes such as the end of an ice age but by purposive human activity. According to leading environmental scientists there are nine “planetary boundaries” crucial to maintaining an earth system environment in which humans can exist, four of which are experiencing at this time the onset of irreversible environmental degradation and three of which (climate change, the nitrogen cycle, and biodiversity loss) are at “tipping points,” meaning that these processes have already crossed their planetary boundaries. 2. The magnitude of the means of violence and social control is unprecedented, as is the concentration of the means of global communication and symbolic production and circulation in the hands of a very few powerful groups. Computerised wars, drones, bunker-buster bombs, star wars, and so forth, have changed the face of warfare. Warfare has become normalised and sanitised for those not directly at the receiving end of armed aggression. At the same time we have arrived at the panoptical surveillance society and the age of thought control by those who control global flows of communication, images and symbolic production. The world of Edward Snowden is the world of George Orwell; 1984 has arrived; 3. Capitalism is reaching apparent limits to its extensive expansion. There are no longer any new territories of significance that can be integrated into world capitalism, de-ruralisation is now well advanced, and the commodification of the countryside and of pre- and non-capitalist spaces has intensified, that is, converted in hot-house fashion into spaces of capital, so that intensive expansion is reaching depths never before seen. Capitalism must continually expand or collapse. How or where will it now expand? 4. There is the rise of a vast surplus population inhabiting a “planet of slums,”4 alienated from the productive economy, thrown into the margins, and subject to sophisticated systems of social control and to destruction - to a mortal cycle of dispossession-exploitation-exclusion. This includes prison-industrial and immigrant-detention complexes, omnipresent policing, militarised gentrification, and so on; 5. There is a disjuncture between a globalising economy and a nation-state based system of political authority. Transnational state apparatuses are incipient and have not been able to play the role of what social scientists refer to as a “hegemon,” or a leading nation-state that has enough power and authority to organise and stabilise the system. The spread of weapons of mass destruction and the unprecedented militarisation of social life and conflict across the globe makes it hard to imagine that the system can come under any stable political authority that assures its reproduction. Global Police State How have social and political forces worldwide responded to crisis? The crisis has resulted in a rapid political polarisation in global society. Both right and left-wing forces are ascendant. Three responses seem to be in dispute. One is what we could call “reformism from above.” This elite reformism is aimed at stabilising the system, at saving the system from itself and from more radical re- sponses from below. Nonetheless, in the years following the 2008 collapse of the global financial system it seems these reformers are unable (or unwilling) to prevail over the power of transnational financial capital. A second response is popular, grassroots and leftist resistance from below. As social and political conflict escalates around the world there appears to be a mounting global revolt. While such resistance appears insurgent in the wake of 2008 it is spread very unevenly across countries and regions and facing many problems and challenges. Yet another response is that I term 21st century fascism.5 The ultra-right is an insurgent force in many countries. In broad strokes, this project seeks to fuse reactionary political power with transnational capital and to organise a mass base among historically privileged sectors of the global working class – such as white workers in the North and middle layers in the South – that are now experiencing heightened insecurity and the specter of downward mobility. It involves militarism, extreme masculinisation, homophobia, racism and racist mobilisations, including the search for scapegoats, such as immigrant workers and, in the West, Muslims. Twenty-first century fascism evokes mystifying ideologies, often involving race/culture supremacy and xenophobia, embracing an idealised and mythical past. Neo-fascist culture normalises and glamorises warfare and social violence, indeed, generates a fascination with domination that is portrayed even as heroic.

#### Revolution is closer than ever but requires communist organization.

Basanta ‘20

[Comrade Basanta, polit-bureau member of the CPN-Maoist. 06/14/2020. “On American Crisis — 2,” <https://www.bannedthought.net/Nepal/CPN-Maoist/2020/OnAmericanCrisis-2-Basanta-Eng.pdf>] pat

Nowadays, the United States of America is undergoing a serious crisis. As a consequence of the health crisis brought in by the mishandling of the Covid-19, the unemployment and the economic crisis caused by lockdown, the Black Lives Matter movement created by the white racist supremacy on the part of ruling class, the US now has been trapped in a vicious circle of crisis after crisis. The former defence secretary Collin Powel and the former state secretary of the US James Mattis, who were strong pillars and confidants of Donald Trump, have turned sharp critics due to his mishandling of the on-going movement. President Trump has stopped talking with Dr. Anthony Fauci, the health advisor of the President as their row in the handling of pandemic sharpened. President Donald Trump has now been isolated almost from all quarters. Moreover, the political tussle in the upcoming presidential election is going to divide and polarise the US society further and he seems to get trapped in an awful crisis and further isolation causing insanity. No one can deny that the obstinate president can deploy military to cleanse racial opposition in the name of containing the 'anarchists' and 'terrorists'. The present crisis in the US seems like a wakeup call for a bigger crisis in the days ahead.

I feel to offer a red salute to the declaration of the autonomous region made recently in the Capitol Hill of Seattle, America. However, emotion is not decisive. The autonomous region established within the framework of the reactionary state power provokes the enemy more than it safeguards the liberation of the oppressed people in CHAZ. This kind of tactical move can be supportive if it is made a part of the overall strategy of revolution. The on-going movement seems to be spontaneous, and it does not have any stated destination. Reform in police does not solve the problem the proletariat and the oppressed black people have been confronting in the US. The solution to the on-going crisis in America is scientific socialism guided by Marxism-Leninism-Maoism and led by a party of the proletariat. Worth noting is that, the spontaneous movement cannot bring about any revolutionary change in society but it creates a situation from the womb of which a correct ideological and political line and the leadership gestate. The present situation in the US shows that the objective condition is getting favourable for the success of the socialist revolution. But as Che Guevara has said the revolution is not like a mango which automatically falls from the mango tree when it is ripe. What is necessary to develop for the American proletariat at present is the armoury of weapons that help make the revolution a success when they act upon the favourably developing situation.

The first weapon for the success of the socialist revolution in the US is the formation of a genuine Communist Party guided by MLM. And the second weapon is a united front led by the party. In the particular situation of America the strong ideological and political unity mainly between the proletariats of white and black colours along with other oppressed people is a must. The reactionary cultural makeup of the US society based on white racist supremacy has made this task more challenging. The third weapon is the fighting force. All of these weapons are unlikely to get realised in a single attempt now in America. Nevertheless, the sharpening of contradictions in the US society and the objective necessity of revolution to solve them is creating an objective condition to realise it.

In the given situation, the communist revolutionaries in the US have to make a conscious effort to build up an ideologically and politically strong communist party and unite in it several groups and individuals scattered all across the US. Once the political party and its ideological and political line are built up, then the others will come on its way. The revolutionaries have to take up this task sooner than later for the emancipation of the entire oppressed people in America, including the blacks.

### Part 2 is the Solvency

#### I affirm Resolved: The appropriation of outer space by private entities is unjust. Spec and definitions in doc.

The – “used to point forward to a following qualifying or defining clause or phrase”. Google. <https://www.google.com/search?q=the+definition&rlz=1C1CHBF_enUS877US877&oq=the+definition&aqs=chrome.0.69i59j69i64j69i61j69i60l2.2103j0j7&sourceid=chrome&ie=UTF-8>

Appropriation – “an act or instance of appropriating something”. <https://www.merriam-webster.com/dictionary/appropriation>

Of – “indicating an association between two entities, typically one of belonging”. <https://www.google.com/search?q=of+definition&rlz=1C1CHBF_enUS877US877&oq=of+definition&aqs=chrome..69i57j69i60.1494j0j7&sourceid=chrome&ie=UTF-8>

Outer Space – “the physical universe beyond the earth's atmosphere”. <https://www.google.com/search?q=outer+space+definition&rlz=1C1CHBF_enUS877US877&oq=outer+space+definition&aqs=chrome..69i57j69i60.2363j0j7&sourceid=chrome&ie=UTF-8>

By – “identifying the agent performing an action.”. <https://www.google.com/search?q=by+definition&rlz=1C1CHBF_enUS877US877&oq=by+definition&aqs=chrome.0.69i59.1433j0j7&sourceid=chrome&ie=UTF-8>

Is – “dialectal present tense first-person and third-person singular of BE”. <https://www.merriam-webster.com/dictionary/is>

Unjust – “not morally right; not fair”. https://dictionary.cambridge.org/us/dictionary/english/unjust

#### The aff identifies appropriation as unjust

Webster ND Definition of IS," Merriam Webster, <https://www.merriam-webster.com/dictionary/is> IS

is Definition of is (Entry 1 of 4) present tense third-person singular of BE dialectal present tense first-person and third-person singular of BE dialectal present tense plural of BE

#### Dialectical present tense means logical coherence which implies no implementation

Your Dictionary ND, , "Dialectical Meaning," No Publication, <https://www.yourdictionary.com/dialectical> Cho

The definition of dialectical is a discussion that includes logical reasoning and dialogue, or something having the sounds, vocabulary and grammar of a specific way of speaking. An example of something dialectical is a Lincoln Douglass style of debate, where both parties argue a point in a logical order. Of, or pertaining to dialectic; logically reasoned through the exchange of opposing ideas.

#### “BE” is a linking verb, not an action verb so implementation is incoherent

Grammar Monster ND "Linking Verbs," Grammar Monster, <https://www.grammar-monster.com/glossary/linking_verbs.htm> CHO

What Are Linking Verbs? (with Examples) A linking verb is used to re-identify or to describe its subject. A linking verb is called a linking verb because it links the subject to a subject complement (see graphic below). Infographic Explaining Linking Verb A linking verb tells us what the subject is, not what the subject is doing. Easy Examples of Linking Verbs In each example, the linking verb is highlighted and the subject is bold. Alan is a vampire. (Here, the subject is re-identified as a vampire.) Alan is thirsty. (Here, the subject is described as thirsty.)

A picture containing text, sign

Description automatically generated



#### Private entities prevent space exploration and culminate in extinction– only central planning can solve development and create an ethical alternative.

Phillips 12 [Leigh Phillips is a science journalist with Nature and formerly a Brussels-based reporter for the Guardian and deputy editor of the EUobserver."Put Whitey Back on the Moon," Jacobin, <https://web.archive.org/web/20120926202524/http://jacobinmag.com:80/2012/09/put-whitey-back-on-the-moon>] nw

Of course, space exploration is expensive, risky and it is difficult to say at the outset what specific benefits it will deliver. All of which makes it very difficult, if not impossible, for the market to enter into this area. Apart from a handful of billionaire dilettantes, space exploration can only be done by the public sector. Virgin Galactic space tourism and out-sourcing cargo payload traffic to SpaceX are not the same as a serious, properly funded search for life on Enceladus, Europa, Mars, Titan and Io – the five best bets for extraterrestrial life in the solar system. The West only got as far as we did as the result of a push from the Soviet Union, which obviously was a monstrous system, but which did have a clear understanding of why space exploration is vital. Once Thatcherite-Reaganite neoliberalism took hold in the eighties and as soon as the competition dropped out in 1991, America lost most of its interest. And yet however expensive it is, what we’re spending at the moment is a pittance compared to what we spend on the military (or, one might add, on bank bailouts). According to astrophysicist Neil de Grasse Tyson, the annual US military budget is equivalent to Nasa’s entire 50-year running budget. “I think if you double [the budget], to a penny on the dollar, that’s enough to take us in bold visions in a shorter time scale to Mars, visit asteroids, to study the status of all the planets.”. There was some excitement last week when NASA announced another Mars mission to launch in 2016 as part of its Discovery Program, this time to listen for “marsquakes” and determine whether Mars has a solid or liquid core and why its crust is not composed of tectonic plates as Earth’s crust is. But the Discovery Program, established in 1992, aims to provide in the era of budget restraint a series of lower-cost planetary missions. In the words of then NASA chief Daniel Goldin: “faster, better, cheaper.” And it was not widely reported that the Marsquake mission (InSight is its name), was the winner out of a trio of finalist projects that included a mission to Saturnian moon Titan, for the first nautical exploration of an extra-terrestrial sea, floating on its hydrocarbon lakes. The cost? Just $425 million. But why can’t we have both? And with the funding that’s needed, not capped at an arbitrary sum? As wiseacre astronomer friend of mine told me, they have a joke: “Faster, better, cheaper: pick two.” Of course, if there were a limited pie of public resources, then a prioritization of other areas would be legitimate – Gil Scott Heron would be right. At the moment, there are other areas in more dire need. But money can be found. The UK’s Tax Justice Network in July published research showing that revenues lost to public coffers by the super-rich hiding these sums in tax havens amounted to $21 trillion as of 2010 – as much as the US and Japanese economies combined, and the figure could be as high as $32 trillion. There is more than enough money out there to have decent social services – and new ones, guaranteed incomes, well-funded pensions, a transformation to a low-carbon (or even carbon-negative) economy, and investment in space exploration. It’s a false choice to say: either space or everything else. The choice is actually between the current crop of political ideologies clustered around the neoliberal center, and something genuinely transformative on a global scale. But we should admit that space is indeed vastly expensive and requires the kind of state-led economy coordination that the near-sighted and risk-averse market will never be able to deliver. The Apollo programme cost $109 billion in 2010 dollars, $18 billion per each of its six landings. Contrary to what we are commonly told, market actors are lumbering elephants of conservatism. In almost every major new society-transforming technological development, it is the public, not the private sector that has done all the heavy lifting in terms of investment and shepherding them through to commercialization. Computers, the internet, biotech, nanotech, telecoms, electric power infrastructure, containerization – all would not be possible without the resolute role of the public sector. As Mariana Mazzucato, an economist specialising in innovation policy, asks in a recent pamphlet for Demos, a UK think-tank: “How many people know that the algorithm that led to Google’s success was funded by a public-sector National Science Foundation grant?” A commitment to any full-blooded exploration and colonization of the solar system will not be achievable until we supersede the current primitive economic system that isn’t only unjust, but also ~~retards~~ [prevents] exploration and technological development. Capitalism isn’t just killing the planet. Capitalism is keeping us stuck on the planet.

### Part 3 is the Method

#### We affirm the normative statement but our analysis isn’t separate from the broader framework – justifications are a prior question to concrete analysis because they answer when, why and how violence and injustice operate

#### “Resolved” means to analyze.

Merriam Webster [It’s the dictionary! Big dictionary! On a website! Isn’t the internet incredible? <https://www.merriam-webster.com/dictionary/resolved>] pat

b : to reduce by analysis

resolve the problem into simple elements

Our scenario analysis of the resolution develops the political grammar for revolution – before we can discuss how to get there, we first must theorize what exact future we are fighting for

#### Mass base cultivation must start through utopic communist demands like the aff that prophesize the end of Capitalism.

**Tonstad 16** (Professor Tonstad is a constructive theologian working at the intersection of systematic theology with feminist and queer theory. Her first book, God and Difference: The Trinity, Sexuality, and the Transformation of Finitude, was published by Routledge in 2016 and was named both as a best new book in ethics and a best new book in theology in Christian Century in the spring of 2017. “Debt Time is Straight Time” political theology, Vol. 17 No. 5, September 2016, 434–448, Edited for ableist language – “visible” changed to “recognizable” )

If debt time, as I have argued, is straight time, can other temporal modes of production and affiliation be imagined? If debt time depends on promises made in the past to subjugate the present and future, might other promising pasts (made available through the non-limitative, intergenerational relations that “homosexual production” sometimes promotes) redirect us toward other futures — futures located in queer time? Dreaming and day-dreaming allow for Kathi Weeks’s “utopian demand” that can teach us what a “different world” in which our dreams would come to life would look like.45 To reeducate our temporal desires, we need to “affirm what we are and will it, because it is also the constitutive basis from which we can struggle to become otherwise.”46 This affirmation is no mere acceptance of the past as it is enforced on us by the moral couplings effort-reward or debt-obligation. Rather, it is “an active intervention into our ways of inhabiting the past.” The utopic demand affirms a future in which the demand would no longer be utopic, while also estranging us from the ethos that there is no alternative.47Guy Hocquenghem writes, “Homosexual production takes place according to a mode of non-limitative horizontal relations, heterosexual reproduction according to one of hierarchical succession … another possible social relation … is not vertical but horizontal.”48 Horizontal temporal relations can join with new spatial orders to constitute a we. Franco Berardi notes that one of the reasons workers’ struggles have tended to disappear historically (as exceptions rather than lasting coalitions) is that “for struggles to form a cycle there must be a spatial proximity of laboring bodies and an existential temporal continuity. Without this proximity and this continuity, we lack the conditions for cellularized bodies to become a community.”49 Spatial proximity is not enough by itself — antiblackness in the United States is but one example proving the point — but it is essential to the formation of coalitions and new forms of solidarity. Without side-by-side relationships, spatial and symbolic, and without creating and becoming a we, we can neither understand “our” time aright to diagnose it, nor shift the future into a direction other than the one marked out by the insistence that there is no alternative. With such relationships, the door is open for possibilities for redirecting the trajectory of debt time that do not require “distance from dominant culture,” but instead can take their own “imbrication with contemporary socioeconomic forces”50 as a point of departure. The first step is to name the powers and in so naming call them up and make them visible [recognizeable]— materialization of the demons that ride and haunt us, seeking to destroy us. The next step is to reorder our temporal and spatial relations to each other to create a we that does not yet exist.The promise of queer prophetic performance Sleeping and waking cross each other: for we must wake from our dreams of dust and ashes in order to read the signs of the times, and we must sleep so that we can learn to dream new dreams. Between the space of sleep and waking, we encounter the memory of other times, a memory that may become grounds for a future that is no future. Naming the signs of the times (knowing the time in order to escape its grasp, refusing the future in order to redirect it) is a prophetic practice. Althaus-Reid says, “[I]f God is to be found in human relationships of economic and loving orders, it is obvious that the right not to be straight in a capitalist society and church has the goal of liberating God.”51 And who can set God free? We need a prophetic52 bodily reordering in which the untimely one will arrive and tell us, or better show us, the series of negations, intentional relations, and world-making activities that are our best hope for living love in a time of capital. These hopes weigh less than the Spirit of Gravity does on our shoulders (that always-already that the history of Christian capitalism imposes on us); with them we may hope for an easier yoke that would allow us to replenish our relations to ourselves and others. Prophets dream for us and against us; they sound the alarm and they fall into trances in which revelations are given to them. Prophets use speech, performance, visions, dreams, and bodies to shift the relations between structures of authority and embedded hierarchicalizations. Those manipulations, those reorderings of apparently fixed elements of the world, reproduce but can also reconfigure visions of orders of power.53 Most importantly, prophets contend with other prophets in inexplicable bodied acts,54 and prophets contend with the prophets of other gods.55 Prophetic contestation breaks open the “monopoly of actuality” that insists “there is no alternative.” “Blow the trumpet … sound the alarm!” “Your sons and daughters will prophesy, your old men will dream dreams, your young men will see visions. Even on my servants, both men and women, I will pour out my spirit in those days.”56 The passage from Joel points to the transgenerational and transgendered aspects of prophecy, and to the importance of dreams. Late capitalism denies us dreams, and late capitalism monetizes even our dreams. But prophets dream the dreams that the rest of us are denied. Prophecies “have been a means by which the “poor” have externalized their desires, given legitimacy to their plans, and have been spurred to action.” For this reason, prophecy had to be “replaced with the calculation of probabilities” — a calculation that depends on the postulate that “the future will be like the past.”57 We are seeking a future that is not like the past. Prophecy opens the possibility of the impossible beyond calculation and prediction. Prophecy can connect the partially open future with the overdetermined present to suggest strategies for redirection and recreation. Kirk Fuoss argues that performance always involves contestation; if he is right, the same would apply to prophetic performances.58 Prophetic performances may contribute to the development of what Valerie Rohy understands as queer non-causality: a temporality “whose beginnings are found in the future.”59 Rohy describes the way becoming gay may involve a circular causality that escapes linear historical determination. In the case of Oscar Wilde, for instance, “Wilde’s homosexuality both causes the gay male identity of the future and is caused by it.”60 Such alternative causalities may break the effort-reward, promise-fault couplings of determinate historical time — of debt time. If we become what is not yet possible, our becoming escapes the past’s determination without negating it. Queer performances that embody impossible futures may have the capacity to vivify and illuminate extant alternative imaginaries while challenging the “monopoly of actuality” exercised by debt time, especially if these queer prophetic performances distinguish themselves from capital not by their freedom from it61 but by practicing in relation to it. Performance can reeducate our imaginations (our dreams) in ways that do not pretend — as attenuated or homonormative gay culture sometimes does — that no other economic order is possible. We need to relearn the connections between sexuality and the economic order that lesbian feminists and black feminists recognized from the very beginning.62 We must enter desire’s school for reeducation so we may learn to name the present for the sake of a redirected future. In order to change our futures (to make them no future for the time of financialized capitalism and hetero-same reproduction), we need — as I have argued — spatial and symbolic side-by-side relations, we need to learn the nature of our time (and times), and we need to create the worlds that we need to learn to want through institution-building and the generation of publics.

#### Debate is a valuable pedagogical space for material analysis and scientific planning – our form of study uses historical synthesis to avoid error replication and catalyze a mass base transition.

Williams 18 [Carine, 7/30/18, “Why Black People Need Maoism in 2018”, *The Hampton Institute*, <http://www.hamptoninstitution.org/why-black-people-need-maoism.html#.XWwv7ZNKh0s> // KZaidi]

When they hear Maoism, many people think of China, Peru, and the Philippines. They picture peasants "surrounding the cities from the countryside." This is, of course, understandable, but a mistake. Maoism is not simply "everything that Mao did," or "everything that happened in China between 1949 and now." I have spent a great deal of my time writing working to dispel these sorts of myths, some peddled in an unprincipled fashion by anti-Maoists. Maoism is a living, breathing science. By science we mean something with universal principles that can be taken and applied by all who have a material interest in making revolution. In the United States, this is Black people, or the New Afrikan nation. It was not by accident that the original Black Panther Party (BPP) developed close relations with the revolutionary leadership of the People's Republic of China. Huey didn't go to China to play; he went to study and learn things that could be applied back home. Of course, he eventually degenerated in political line and practice, taking a right opportunist course along with Bobby Seale (always a centrist) and Elaine Brown (who guided the party, in his absence, into a mainstream political force that led into the arms of the Democratic Party). This opportunism in the highest expression of revolutionary sentiment, practice, and force in this country to date needs to be studied and ruthlessly criticized, yet we should be careful. We must place things in their historical context and ensure that we are able to divide one into two, meaning see the beneficial as well as the negative aspects of a thing but also realize that one aspect must be primary. The BPP was destroyed by a combination of factors: lack of a really scientific method of analysis and cohesive program of political education, failure to promote and apply the Marxist-Leninist principle of Democratic Centralism (debate inside the party, formation of a political line through this debate, and the upholding of this decision by all party members and organs), and a culture of liberalism that ended with comrades fighting comrades, thus opening the door for external factors (the FBI and other LE agencies) to play havoc and get cadre railroaded into prison and killed. We must study and learn all of these lessons, because when we develop another organization with the prestige, mass base, and power that the Panthers had, and we will, they will come for us all again. So, why do we need Maoism? Because we are against the most brutal, bloody, and vicious empire known to humankind. This country is looting and enslaving our class siblings all over the world. To overturn this order of things, to smash it and rebuild it in the interests of the revolutionary proletariat of the entire world, we must apply the synthesis of 200 years of systematic, organized class struggle, which is Marxism-Leninism-Maoism: the continuity of the revolutionary project that was Marxism-Leninism, with a rupture from the dogmatism and revisionism. Maoists do not uphold "Actually Existing Socialism" because a scientific analysis rooted in the principles laid down by the revolutionary movements and projects that gave us Marx, Engels, Lenin, Stalin, and Mao would demonstrate that stealing food from Filipino fisherfolk, like the People's Republic of China (PRC) has been doing, is 100% non-Marxist. This is in disagreement with many Marxist-Leninist organizations today, which uphold these things and other imperialist depredations carried out under the faded red banner of China. The Maoist argument is that Marxist-Leninist terrain has been spent, and the 21st century must learn from Maoism. "You haven't seized state power yet!" others cry. Indeed, and there has never been a truly Maoist party that has initiated armed struggle in the imperialist metro poles. This doesn't mean that Maoist principles cannot be applied to these countries, this means that we must be ever more creative in our application and ever more disciplined in our party-building efforts. Party building in the USA requires the careful and thorough cultivation of a mass base. Tens of thousands, even hundreds of thousands, of people must depend on and follow this party and participate in mass organizations before it can even begin to call itself a vanguard. This is what many who came out of the New Communist Movement of the mid-late 1970s failed to realize. The days of endless squabbling sects that fight over "mass bases" of a handful of other activists must be put to an end, and we must have a truly mass perspective. There is optimism in the spread of For the People (FTP) organizations and the development of the Organizing Committee for a Maoist Communist Party (MCP-OC) which has a more mass orientation and places primacy on the development of a class analysis and political line in the USA that is based in painstaking investigation and rooted in the aspirations and struggles of the most oppressed, along with a record of seeking to develop international solidarity and prison work. This, I believe, is the best hope for New Afrikan Maoists in the United States and I wholeheartedly encourage Black comrades to develop FTP-type organizations in their own communities under OC guidance. Even if this isn't done, at the very least studies in Maoism, studies in Maoist revolutions, and studies in Maoist theory are beneficial. After and during these studies, think about how it can be applied on your block and in your community. Learn about and be like Fred Hampton. Time is up for spinning our wheels; we must get together, unite on a principled and unshakeable basis, and mount a formidable resistance against decades and centuries-old oppression based in capitalism and white supremacy. I also encourage support and donation to the Hampton Institute as an invaluable resource in promoting revolutionary ideology and practice in the finest Marxist tradition.

#### The aff forwards a model of debate where iterative ballots over a season help us determine what a future communist world would look like – the ROB is to establish the conditions that makes revolution possible

Southall 10 (Nicholas Southall, doctoral student, University of Wollongong. “A Multitude of Possibilities: The Strategic Vision of Antonio Negri and Michael Hardt,” School of History and Politics and Sociology, 2010, <http://ro.uow.edu.au/cgi/viewcontent.cgi?article=4274&context=theses> )

Communism will remain associated with many of the horrors of the twentieth century. Yet the term is still used and understood as a name for the continuing proletarian revolution. A 'communist revival' in the English speaking academy has been indicated by the manifesto of students who occupied the University of California, Santa Cruz last year (Communique from an Absent Future: 2009) and the thousand participants in 2009 who paid to attend the 'Idea of Communism' conference at the University of London. My use of the word 'communism' is influenced and inspired by such actions as well as by Hardt and Negri's commitment to struggle over the meaning of words that have a powerful heritage and profound significance to the proletariat. Of course, the word is often linked to previous or existing 'communist states' and 'communist parties'. However, I agree with Hardt and Negri that these states and parties are generally manifestations of state capitalism rather than of communism. The errors and defeats of previous communist experiments and the dead hand of capitalist forms of praxes calling themselves communist continue to weigh heavily on the proletariat, making it difficult to speak of communism without 'corpses in our mouths'. Reclaiming and speaking of communism in a positive sense recognises the genuine communist heritage, which opposes authoritarianism, repression, war and terror, and illuminates its praxes of freedom, democracy, peace and love. Communism has been the enemy common to many neo-liberal, social democratic, fascist and socialist regimes and those identified as communists have been targeted and murdered in their millions during the global class war to break proletarian power. Today these communist victims and the victims of 'communism' 'haunt the world'. But communism is not a ghost, not even "a positive ghost" (Negri in Casarino and Negri: 2008: 200), rather communism is a movement, or movement of movements, and is very much alive. It is this living movement of movements that continues to threaten, challenge and go beyond capital. When I began this thesis, the world was at war and the people of the globe had been told: "Either you are with us or you are with the terrorists" (Bush: 2003). As terror and fear spread, there were growing threats to 'academic freedom' and 'freedom of speech' from those backing the Bush administration's agenda. When Negri was invited to speak at an academic conference in Sydney in 2005 he was publicly denounced as a terrorist in and by major media outlets and the event was cancelled (see Chapter One). Just as Negri was dragged in I977 from the academy in a previous 'state of emergency', to rot in jail under preventative detention for alleged terrorist activity, in the current global 'war on terror' others have fallen victim to a continuous 'strategy of tension'. Dr Andrej Holm and Dr Matthias B were arrested in Berlin in 2007 under anti-terrorist laws and alleged by police to have written, in academic publications, 'phrases and key words' also used by a militant group and of being intellectually capable of authoring the group's 'sophisticated texts'. Liliany Oblando, a Colombian sociologist, was charged in 2008 with 'rebellion' and 'managing resources related to terrorist activities' while investigating right-wing death squads. Both within the academy and outside it, this is a dangerous time to choose the latter option of 'either with us or against us' and to challenge those who seek to silence dissent, curtail critical debate and label opponents of capital, war and repression as 'traitors' and 'terrorists', while they defend an established order that is in fact terroristic. Hardt and Negri (2004: 33) assert that today "the majority of political scientists are merely technicians working to resolve the quantative problems of maintaining order, and the rest wander the corridors from their universities to the courts of power, attempting to get the ear of the sovereign and whisper advice"- Negri has also argued that "it is more interesting and more useful to make revolution than to write about it" (quoted in Hardt: 2005b: 29). Yet Hardt and Negri (2009: 127) are interested in the kind of academic strategic investigations that have "been forged by professors and students who take their work outside the universities both to put their expertise at the service of the social movements and to enrich their research by learning from the movements and participating in the production of knowledge developed there". In order to learn from proletarian theory and practice, throughout this thesis I provide in-depth analysis of Hardt and Negri's writings and discussions about real world politics, while testing their ideas out on various case studies. The thesis maps the development of Hardt and Negri's thought by offering a historical analysis that locates their writings in relation to class struggle and provides contextual analyses of their key ideas. To avoid becoming fixated on the power of capital requires a focus on how the proletariat's agency is a constituent element of social processes. Helping me to resist becoming a technician of social order or an adviser to the sovereign, I embark on this project as an active militant involved in class struggle. Since "it is not feasible to keep the values that a researcher holds totally in check", Bryman (2004: 21) argues that a researcher's politics will influence a whole variety of presuppositions that in turn have implications for the conduct of the research. Accordingly, Mies (1993: 68) advocates a "conscious partiality" in conducting research, while Mitropoulos and Neilson (2005) argue against "the apparently objective space of an ivory tower-whose recourse to a de-politicisation of knowledge marks the concealment of a politics". Proletarian politics is compelled to an incessant process of polemic, critique and intervention in social relations (Thobum: 2002: 453) and my politics have, to a certain extent, determined and will determine, my choice of research areas, choice of method, the analysis and interpretation of data and the conclusions of the thesis. My work is strongly inï¬‚uenced by my values, beliefs, experiences and the methodological assumption that the proletariat must free itself by collectively breaking with capital- Assisting this process, I believe, requires a mode of enquiry that promotes proletarian subjectivities, constructed on the multitude's movements of self-valorisation. The role of the communist intellectual is to embark "on the project of co-research aimed at making the multitude. The intellectual is thus not 'out in front' to determine the movements of history or 'on the sidelines' to critique them but rather completely 'inside"' where strategic investigation can be "a form of militancy" (Hardt and Negri: 2009: H8, 125). Marx's conception of proletarian praxis, that is the relation of theory and practice, explains how change comes about as people act and learn by taking action. "Struggles are the great teachers" about social developments, the "engines of revolutionary theory" (Negri: 2005b: xiii) and Hardt and Negri (2009: I28) advocate the "strategic production of knowledge" through a variety of routes as an "active engagement with the production of subjectivity in order to transform reality, which ultimately involves the production of new truths". They use the ideas of Raniero Panzieri and Cornelius Castoriadis (in Hardt and Negri: 2009: 24) to explain that "although Marxism is born as sociology, the fundamental task is to translate that sociological perspective into not just political science but really the science of revolution" and "revolutionary research constantly has to follow and be redefined by the forms of social movements". Following this advice, I look to the social movements of the multitude, to a wide variety of praxis as well as to theory, to understand Hardt and Negri's strategic vision, interweaving communist hypotheses with the proletariat's multitudinous struggles.

### Part 4 is the Cold War

#### Central Planning solves everything –

#### 1] Red Innovation –

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4.1. Innovation and social property. Innovation occurs as a result of a long and complex accumulation process of knowledge and creativity, where very rarely is a single individual solely responsible. This is an essentially social process in which a plurality of actors and institutions contribute in very different spheres and circumstances. The Austrian School presents an idealized image of innovation in capitalist economies, attributing it exclusively to the figure of the enterprising entrepreneur — whether in a disruptive sense (Schumpeter), or in a strictly coordinating sense (Kirzner). In fact, the entrepreneurial function develops within specific institutional frameworks and organized structures, both at the micro and macro levels. In this sense, a socialist economy has significant advantages for developing technological and business innovation, as opposed to a capitalist economy: i) socialism allows for greater and more efficient allocation of resources to R&D&I activities, thanks to centralized control of the surplus and the absence of sumptuous consumption and a rentier population; ii) there are no obstacles (property rights) to the free dissemination of new products and techniques; iii) the equal distribution of resources (which guarantees that no basic needs go unmet) allows for discovery and fuller development of talent, which likewise occurs when work is undertaken through tasks that are more balanced for the majority and less routine; iv) in allocating investment, more information is available and the criteria are more varied than mere expectation of profit; v) social ownership is more inclusive and participatory than capitalist enterprise in terms of generating and mobilizing knowledge (tacit or not) and encouraging innovation; vi) socialism does not impose short-term innovation cycles looking to generate products that can be commercialized in, say, four to six months, as is typical in capitalist economies. Under these favorable general conditions, the development of innovation in a socialist economy would unfold in three fundamental areas: i) Strategic planning: this traces the main lines of scientific, technological, and innovation research. Here would enter programs for the development of new technologies and infrastructures, as well as visionary projects that explore eventualities and future scenarios. This sort of research is carried out in universities, scientific academies, technological institutes, and other specialized centers in coordination with the business world. The process would consist in testing different alternative productive projects or techniques in order to verify results, in connection with the companies and sectors being served. ii) Companies: research, design, and innovation departments. iii) Business entrepreneurship: individuals and teams put forward proposals in hopes of securing financing. For any of these three areas, material incentives would exist that reward the degree to which the freely programmed objectives are achieved, in addition to purely social or moral incentives such as social recognition or professional and personal fulfilment. In the next section, we focus on how socialist entrepreneurship — something that the Austrian School considers impossible — would ostensibly work. 4.2. Ecosystems for innovation and entrepreneurship. In today’s most dynamic capitalist economies, entrepreneurship and business innovation are developed mainly in the so-called innovation ecosystems, which are institutional environments dedicated to promoting symbiotic interaction among the different actors involved in the process of creating and transforming companies and industries. This sort of institutional framework represents the antithesis of the liberal mythology where the individual capitalist–entrepreneur operates in a purely commercial environment, since these ecosystems are based on public institutions and resources as well as procedures that are not strictly mercantile.9 An efficient and dynamic socialist economy needs institutional environments capable of fostering and channeling the initiative of individuals with special talents to translate innovative ideas into business projects. It must be clear that an ecosystem of socialist innovation does not substitute for, but instead complements, the innovations developed by particular state institutions and programs (such as the transition to a new source of energy, new materials, etc.) as well 9 In the case of Spain, think tanks and capitalist consultants openly admit that “there is not enough private capital to invest in new companies, either through individual investment or through venture capital funds” (Price Waterhouse Coopers, 2015, 32). as innovations taking place in the industrial design departments of businesses. The actors involved in such an ecosystem are essentially the same as those participating in the equivalent ecosystems of the current capitalist economies. Principal differences would lie in the form of interaction among them (in the absence of mercantile links), their decision-making capacity (since no private property rights adhere), and the types of rules in force (including the incentive system). Among the main actors would be the following:

#### 2] Ecological Leninism –

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The impending catastrophe and how to combat it In the second week of September 1917, Lenin penned a long text called The Impending Catastrophe and How to Combat It. ‘Unavoidable catastrophe is threatening Russia’, it begins; the breath of death is over the land and ‘everybody says this. Everybody admits it. Everybody has decided it is so. Yet nothing is being done.’ World War I, the Urcatastrophe of the century, had haemorrhaged Russia and the other belligerent countries and, so it seemed, put civilisation itself on the deathbed. ‘The war has created such an immense crisis, has so strained the material and moral forces of the people, has dealt such blows at the entire modern social organisation, that humanity must now choose between perishing’ or transitioning to ‘a superior mode of production’. Russia stood before the spectre of famine. The war had so torn apart the country that all production apparatuses and logistical structures that would normally ensure basic provisioning were out of commission and, for as long as the war went on, beyond repair. As if that were not enough, heavy floods in the spring of 1917 washed away roads and railway lines. The crisis took a new plunge in August, when grain prices suddenly doubled and Petrograd faced the challenge of surviving without flour. ‘Famine, genuine famine’, one government official complained, ‘has seized a series of towns and provinces – famines vividly expressed by an absolute insufficiency of objects of nutrition already leading to death’. It was in this situation that Lenin wrote his text. In the run-up to October, he and the Bolsheviks were suspended in a moment of abysmal emergency: war behind them, war to the side of them, famine advancing. Lenin obsessed over the breakdown. ‘We are nearing ruin with increasing speed’, he would write; ‘no progress is being made, chaos is spreading irresistibly’; ‘famine, accompanied by unprecedented catastrophe, is becoming a greater menace to the whole country week by week’. What could be done about it? Part of the answer had already been provided by the states fighting the war. To prevent their food systems from collapsing utterly, they had interfered in markets in a manner that pre-war liberal doctrines would never have licensed. Governments from Paris to Petrograd had ‘outlined, determined, applied and tested a whole series of control measures, which consist almost invariably in uniting the population and in setting up or encouraging unions’ and rationing and regulating consumption. The situation had itself ‘suggested the way out’ by calling forth ‘the most extreme practical measures; for without extreme measures, death – immediate and certain death from starvation – awaits millions of people’. But those measures had an obvious limitation: they dealt with symptoms. The drivers of catastrophe were left untouched. The inter-imperialist war and its primum mobile – simple ordinary capital accumulation – were kept going, leaving procurement systems on the edge or, as in Russia, over it. Here, then, was Lenin’s wager: to take measures of the kind already instituted by the warring states, step them up a notch and deploy them against the drivers of catastrophe. First was to end the war. Second was to get the grain supplies under control, seize stocks from rich landowners, nationalise banks and cartels, end private property in the key means of production – a revolution, as Lenin constantly agitated in these months, to stave off the worst catastrophe, which was why it must not be deferred. Against the Kerensky government’s feeble attempts to restore order, he railed that ‘it is unable to avoid collapse, because it is impossible to escape from the claws of the terrible monster of imperialist war and famine nurtured by world capitalism unless one renounces bourgeois relationships’ and ‘passes to revolutionary measures’. At the same time, his rhetorical gambit was to profess that the means for achieving this were at hand, almost uncontroversial. ‘All the state would have to do would be to draw freely on the rich store of control measures which are already known and have been used in the past.’ Indeed, he alleged that any government that wished to combat the impending catastrophe, whatever its affiliation, would have to take those radicalised measures. The objective logic of the situation left no other choice. Now, if we, for a moment, put aside the very considerable historical complications known to everyone, we can see that the logic of the present situation, mutatis mutandis, is not all that dissimilar. So what kind of control measures could be envisioned? Here we must again stay at the level of a rough sketch. Yes, this enemy can be deadly, but it is also beatable States in advanced capitalist countries could claim to have acted on the dangers of pandemics the moment they made the following announcement: today, we are launching a comprehensive audit of all supply chains and import flows running into our country. With our amazing capacity for surveillance and data collection, we’ll shift from citizens to companies, open their books, conduct thorough inputoutput analyses (of the kind scientists already excel at) and ascertain just how much land from the tropics they appropriate. We shall then terminate such appropriation, by cutting off chains that run into tropical forests and, insofar as any can be classified as ‘essential’, redirect them to other locations. Every Noranda, every Skanska and Engie will be withdrawn. The time has come to pull in the claws of unequal exchange, now a menace to all. We shall pay for tropical areas previously devoted to northern consumption to be reforested and rewilded. This will compensate for lost export revenues – not as charity or even a drain on our budgets, but as a running investment in the habitability of this planet, an establishment and maintenance of sanctuaries on which our health depends. We are here simply adhering to the categorical recommendations from scientists (whom we’ll put on the stage for regular briefings on national television): There is an urgent need to stop deforestation and invest in afforestation and reforestation globally. In response to the viral outbreaks, billions of dollars are spent on eradicating the infection, providing services to humans, and developing diagnostic, treatment and vaccination strategies. However, no or less attention is given to the primary level of prevention such as forestation and respecting wildlife habitats. The world should realize the importance of forests and the biodiversity carrying deadly viruses – this from four China-based scientists, venting some despair amid Covid-19. Similar advice has been given for years. ‘The most effective way to prevent viral zoonosis is to maintain the barriers between natural reservoirs and human society.’ Barriers? There is a force at work in human society that by its very nature cannot countenance such a thing. But again, the scientists: ‘The most effective place to address such zoonotic threats is at the wildlife-human interface. A key challenge in doing this is to simultaneously protect wildlife and their habitats’ – the most effective, and the most costefficient. ‘Allocation of global resources from high-income countries to pandemic mitigation programs in the most high-risk EID [emerging infectious disease] hotspot countries should be an urgent priority for global health security’, says the Pike paper. It estimates a tenfold return on such investment. Written six years before Covid-19, it speculates on the damage a zoonotic pandemic could wreak on the world economy and finds that mitigation at the source – reining in trade-driven plantations, livestock, timber, mining – would be a fantastically optimal way of saving money. This is evidently not a guarantee that it will happen. But the northern states of our fantasy have now committed themselves to reason and proclaim: this is the right and necessary thing to do, for us and everyone else on this planet. The immediate beneficiaries will be people living in or next to tropical forests, always first in line for spillover. But our control measures will also spare ourselves from living under this Damocles sword to the end of our days. So the war on wild nature starts to wind down. This begins with a ban on importing meat from countries in or bordering on the tropics. Can there be anything more nonessential? And yet beef is, as we have seen, the one commodity most destructive to these wonderlands of biodiversity. Meat consumption in general is the surest way to waste land, and any extensive reforestation – combined with a protein-needy human population of ten billion or more – presupposes its reduction. Mandatory global veganism would probably be the endpoint most salutary for all. It would give some room back to wild nature and disengage the human economy from the pathogen pools; increased meat consumption is the fastest way to dive deeper. But as economies are currently operating, neither vegans nor vegetarians in the North go (as we often like to think) free of guilt: soybean, palm oil, coffee, chocolate flow as much, or even more, into our stomachs. Control measures for addressing spillover should not follow dietary guidelines, but latitudinal gradients and ecological knowledge. Given what we know about bats, their habitats must have priority, be it steak or flapjacks that stream out of them. Clearly it would be the state that would have to do this. No mutual aid group in Bristol could even hypothetically initiate a programme of this kind. ‘We need (for a certain transitional period) a state. This is what distinguishes us from the anarchists’, with Lenin – or with Wallace: ‘In the face of the potential catastrophe, it would indeed seem most prudent to begin placing draconian restraints on existing plantation and animal monocultures, the driving forces behind present pandemic emergence.’ Note the word ‘draconian’. Progressives of all stripes might shudder at it, but they should return to the chapter on the working day in the first volume of Capital – the ten hours’ day being the original victory of the proletariat, realised when enforcement finally became a little harsh, after all the laxities and prevarication of the early factory legislation. One doesn’t curb capitalist exploitation by carrots. Tropical forests have a recent counterpart to the ten hours’ day: the tenure of Lula. Between 2004 and 2012, deforestation in the Brazilian Amazon underwent its most rapid reduction in modern times, all the more remarkable for running against the trends in the rest of Latin America and Southeast Asia. By what means did the Lula governments accomplish this? By turning some degree of hard power on land-hungry capital: expanding protected areas, registering land properties, monitoring rainforests via satellites, enforcing the forest code and actually punishing those responsible for illegal logging. In 2012, the rate of deforestation stood 84 per cent below its peak of eight years prior. The country that holds two million species, or one tenth of the earth’s total, gave its forests a reprieve, slashing CO 2 emissions by some 40 per cent – perhaps the most impressive mitigation of zoonotic and climatic disaster on record. It didn’t last, of course. ‘Rosa Luxemburg has a great line about revolution being like a locomotive going uphill: if it’s not kept moving, it slides back, and reaction wins. The same can be said of reform. Lula’s two terms could have been a good first act in a transition toward something else; but there was no plan for a second act’, as one scholar of Brazil has noted. Instead came the far right and the abolition of every traffic light ever installed in the Amazon. What should really make one shudder is to think of the zoonotic and climatic legacy of Bolsonaro. Then what of China? After SARS, the state took some perfunctory measures to stem the wildlife trade, promulgating laws with loopholes big enough for rhinoceroses to walk through. It allowed for wild animals to be bred on farms (the Huanong Brothers). The protected species list was last updated in 1990 and omitted at least one thousand native species – including bats – the consumption of which was thereby unregulated, regardless of the public health consequences. Penalties were paltry, enforcement lax, ‘high profits and mild punishment driving the dealers’ to continue accumulating capital – until SARSCoV-2 prodded the state to ban the consumption of any wildlife, from freedom or captivity. Scientists and others worried that the legislation would fray this time too. One team from China writing in Science urged a permanent ban on consumption as well as possession, backed up by stiff penalties; Jingjing Yuan and colleagues went a step further and called for ‘sentence to life prison’ for anyone eating wild. Processing, transporting, marketing wild animals should be similarly sanctioned, the state maintaining a list of species authorised for trade – a list that could be periodically shortened – and sending inspectors into the markets on the fly (recalling the factory inspectors). What could be said against such a tough line? It has been argued that the moral norms of consumers should instead be coaxed into sobriety. The argument ignores three factors. First, if SARS was not enough to scare the clientele away from wet markets – research indicates that awareness of the risks did little to put it off – and if SARS-CoV-2 could not be relied on to do the job either, as some signs suggested – online sellers touted medicines containing rhino horn and other rare animal parts as cures for corona – then apparently one cannot entrust this question to individual enlightenment. Second, enforced laws change norms. The prohibition of child labour in factories and slave labour on plantations clinched their status as unacceptable practices; without those laws, some callous exploiters might have continued to this day. The edification may outlast the laws themselves. One of the few success stories Felbab-Brown can relate in The Extinction Market concerns the use of rhino horn for the making of the Yemeni daggers known as jambiyas. When demand soared in the 1970s, this market became a prime culprit in dragging rhino populations to extinction. But then someone intervened. Interestingly enough, the communist government of South Yemen was far more effective in eliminating demand for rhino-horn jambiyas by eliminating the demand for all jambiyas. It banned the possession of all weapons and aggressively collected them. In 1972, the jambiya ban was thus accompanied by a massive campaign to rid the country of them, with even rich and influential families targeted and forced to sell their daggers. When Yemen was reunited under the capitalist north, the communist principle survived. The ban ‘was not only effectively enforced by the [southern] government but ultimately internalized by the country’s population’. Rhinohorn jambiya went out of fashion. This deep into the sixth mass extinction, some similar courage to wage ecological class war would not seem inappropriate. Third, if there is something the corona crisis has taught, it should be that nudging consumers to voluntarily mend their ways is a strategy of the past. The German state didn’t beg its citizens to please consider living differently: it ordered the malls of Steglitz closed and locked the playgrounds in Kreuzberg. When there is a threat to the health or even physical existence of a population, one doesn’t leave it to the least conscientious individuals to play with the fire as they want. One snatches the matches out of their hands. Some have argued that a blanket abolition of the wildlife trade in China would cause financial losses and make people unemployed – figures between 1 million and an improbable 14 million have been floated – which is, of course, the excuse for every facet of business-as-usual. It could carry us all the way to Venus. But ending the wildlife trade is a responsibility for very many more nations than China. Even Germany has been identified as a central transit point for the global trade in pangolins. States have to figure out a way to extirpate this department of capital accumulation in toto; they have repressive powers to reallocate. Barack Obama purported to make crackdowns on wildlife trafficking a priority. Yet at the end of his second term, there were no more than 130 federal wildlife inspectors in the nation; only 38 of 328 ports of entry had such staff on site; their total number of detector dogs amounted to three. Compare this – from benevolent times – to the apparatus for stopping migrants. Here’s another overdue conversion: open borders to people and close them to commodities from the wild; turn ICE and Frontex and other fortress guards into agencies for shutting down the extinction vortexes. But law enforcement would require more than seizures on the border, which can incite suppliers to compensatory killing sprees. It is the middlemen that need to be netted en bloc. The main alternative to such an approach is to legalise the wildlife trade and encourage the ordered establishment of farms (the Huanong Brothers), but the curtain should now be down on this idea. Wild animals shouldn’t sit in cages. Breeding them in captivity and selling them on markets only whets the appetite for their meat, and experience shows that it’s all but impossible to tell the wild from the farmed; the former leaks into the latter, as long as the suck is there. Demand itself will have to be neutralised. Insofar as ostentation – the open display of status before peers and subalterns – is the purpose of wildlife consumption, criminalisation and actual law enforcement should hit where it hurts. Under the ground, public swagger is harder. This doesn’t mean, as Felbab-Brown is keen to stress, that hard state power is a silver bullet. But it is needed, and fast, she points out. ‘Unlike in the case of drugs’ – and most other illicit activities, one may add – ‘time matters acutely, especially when animals are being poached at extinction rates.’ Some reprioritisation is needed for repressive state apparatuses around the world. And then there is the question of bushmeat, an especially difficult nut to crack, which deserves its own separate investigations. One would wish that lifting areas and countries out of poverty would of itself make bushmeat obsolete, but alas, it might have the opposite effect: affluence can set the extinction vortex spinning. It has, on the other hand, been vociferously argued that one shouldn’t even consider taking the wild food out of the mouth of poor people. Unfortunately, that argument is self-defeating, for in the same moment bushmeat starts to endanger animal populations, it ceases to be a prop of food security and turns into its opposite: an exceedingly undependable protein source. Extinction exhausts it forever. The most viable palette of measures probably includes laws and their enforcement, a rollback of deforestation and ‘incentives for communities to switch to traditionally grown protein-rich plant foods’, such as ‘soy, pulses, cereals and tubers’ – breaking, in other words, the association of meat with the good life. That break begins in the richest countries. If anyone has a duty to lead and assist a global turn to plantbased protein, it is them. Needless to say, such measures would just be starters – local drivers of deforestation, for instance, would still have to be dealt with – and if they were all rolled out next week, infectious diseases wouldn’t thereby vanish at the snap of a finger. The treatment of symptoms will never stop being essential. And so one could look to Cuba, which seems to have spare capacity for every eventuality and continues to serve the world as a subaltern ambulance crew, including in this pandemic: in March 2020, fifty-three professionals in a Cuban medical brigade landed in Lombardy. They came to assist the swamped hospitals of one of the richest provinces in Europe. Of the dozen brigades dispatched over that month, others went to Jamaica, Grenada, Suriname, Nicaragua, Andorra, while Cuba itself agreed to receive a corona-stricken cruise ship turned away from other Caribbean islands – all in line with a tradition of ‘medical internationalism’ that never ceases to confound foes and experts alike. In the 2010s, this poor little nation had more health care workers stationed on foreign soil than the G8; more than the Red Cross, Médecins Sans Frontières and UNICEF combined. When Ebola lacerated West Africa in 2014, hundreds of doctors and nurses dashed off to the miasmic front lines; when Hurricane Mitch tore through Central America and Haiti in 1999, not only did Cuban staff pour in, but Havana initiated a scholarship programme for medical students from the disaster zones; when an earthquake crushed Pakistan in 2005, Cuba sent 1,285 health workers for a year. Canada sent six. In a time of chronic emergency, the world should thank its lucky star there’s at least one state with a tenuous link to the communist ideal still around.‘If anything real is to be done, bureaucracy must be abandoned for democracy, and in a truly revolutionary way, i.e. war must be declared on the oil barons and shareholders’: Lenin. His casus belli was their refusal to produce enough oil and coal. He wanted a war on the barons and shareholders to force the pace of extraction – Russia ‘is one of the richest countries in the world in deposits of liquid fuel’ – having no inkling of any adverse effects. Fuel scarcity was part of his breakdown. Our breakdown has the opposite profile, and so, if anything real is to be done, there will have to be a war with another aim: putting this industry out of business for good. This begins with a nationalisation of all private companies extracting and processing and distributing fossil fuels. Corporations on the loose like ExxonMobil, BP, Shell, RWE, Lundin Energy and the rest of the pack will have to be reined in, and the safest way to do that is to put them under public ownership, either through acquisition or – more defensibly – confiscation without recompense. Then their endlessly burning furnaces can finally be switched off. But they should not simply be liquidated, as in dismantling every platform, sealing the holes, closing the offices, sacking the employees and throwing the lot of the technology on the scrap heap. To the contrary, these units have a constructive task ahead of them. It’s already too hot on earth, and it’s getting hotter by the year, and there’s no end in sight to the heating unless emissions are cut to zero – but even then, it will still be too hot plus residual, potentially self-reinforcing heating in the atmospheric pipeline (the more of it, the longer mitigation waits), and so a worldwide cessation of fossil fuel combustion would not be enough. CO 2 would also have to be drawn out of the air. This has been apparent for at least a decade: everybody says this. Everybody admits it. Everybody has decided it is so. Yet nothing is being done. Nothing at all? There are a bunch of start-ups developing machines for negative emissions. One of them, the Swiss-based Climeworks, might be the most valuable capitalist company on earth these days – valuable as in doing humanity what could eventually be a life-saving service. With machines that look like large fans in boxes, Climeworks sucks air – it could be any air, anywhere. The air is led into a filter that captures CO 2 . Once the filter is saturated, it is heated to 100 degrees Celsius, and the result is pure, concentrated carbon dioxide. The trick as such is no magic, as it has long been applied in airtight rooms – submarines, space stations – where CO 2 has to be scrubbed and flushed out for people to breathe. What Climeworks has just demonstrated, however, is that this is the most promising technology for taking CO 2 out of the earth’s atmosphere – far more so than ‘bioenergy carbon capture and storage’, or BECCS, the speculative solution most in vogue in the days of the Paris agreement. There the idea was to establish gargantuan plantations to cultivate fast-growing trees, harvest them, burn them as fuel, filter away the CO 2 and store it under the ground. But more plantations are not what we need. BECCS would devour such monstrous amounts of land – somewhere like the equivalent of all current cropland to stay below 2°C – that tropical forests might well have to be wiped out. Direct air capture needs no land to grow anything. The contraptions can be placed on roofs. The main inputs they crave are electricity and heat, and because they are small and easily switched on and off, they can be affixed to the grid and turned on when there is an excess of wind and sun (weather-determined moments of overproduction often regarded as a drawback of renewables) and use waste heat from any other process (no shortage of that in urban environs). The CO 2 can be mineralised. It can be buried under the ground in solid form; indeed, since 2017, Climeworks is doing just this in Iceland. As with other novel technologies – solar panels spring to mind – prices will nosedive with mass production. A capitalist solution to a problem made by capitalism? If only. A capitalist company has to have a commodity to sell. With the exception of the pilot plant in Iceland, Climeworks and the other start-ups are turning their concentrated CO 2 into goods with exchange-value. It can be gas sold to greenhouses or soft drink producers (Coca-Cola in the case of Climeworks in Zürich); it could go into microalgae or liquid fuel, possibly even for airplanes. Such commodities bury no CO 2 . They capture it and pass it on for release elsewhere, so that a profit can be made – or, as Nature reported regarding another start-up, Carbon Engineering, run by the famed scientist-cum-entrepreneur David Keith: ‘That CO 2 could then be pressurized, put into a pipeline and disposed of underground, but the company is planning instead to use it to make synthetic, low carbon fuels.’ And how could it plan otherwise? Just throwing the CO 2 away, locking it up in cellars where it must never again be touched, is no way to accumulate capital. It negates the logic of the commodity, because non-consumption would here be the innermost essence of the operation. As Holly Jean Buck shows in After Geoengineering: Climate Tragedy, Repair, and Restoration, a primer and clarion call that should be obligatory reading for anyone minimally concerned with planetary futures, this is the contradiction every direct air capture must run into: if it stays inside the commodity form, it cannot make good on its promise of negative emissions. It will recycle CO 2 , not tuck it away. To scale up these machines to the level where they would make their designated difference – supplementing zero emissions with drawdown – they would have to function as vacuum cleaners, sucking up carbon and putting it out of circulation, as a non- or even anti-commodity. How could such a decontamination of the biosphere run on profit? Where would the increment in exchange-value come from, in amounts sufficient to keep the clean-up going like any other department of accumulation? No one has yet come up with a plausible answer. Buck works through the logic and finds only one way out: the state. Other students of direct air capture have reached the same conclusion. It seems to inhere in it – if the Climeworks model turns out to have some unknown disadvantage, if something else comes to the fore as the superior tech, if there will ever be any negative emissions not growing from land, the same conundrum will reappear: resell the waste and forfeit the purpose, or respect the negative use-value. It’s the productive force or the property relations. And to scale up, one would need a lot of money. That money should come from those who carry historical responsibility for releasing the CO 2 in the first place. There would also need to be massive complexes of technical expertise, drilling and seismic skills, infrastructures for transporting concentrated CO 2 , empty holes in the ground for burial vaults, organisations of supranational size … Who has all these things in ample possession? The oil barons and shareholders, of course. Nationalise them, Buck proposes – not just for ‘getting rid of these corporations, as we might like to, but transforming them into companies that deliver a carbon removal service’. Make them public utilities for restabilising climate. In something of an understatement, Buck adds: ‘There will be a lot of struggles to engage in here.’ But now imagine that states were in fact determined not only to stop the drivers of catastrophe but to put them into reverse gear, and so they expropriated every single fossil fuel company and restructured them into waste disposers, while those already state-owned received the same directives – then we would really be on the way to zero emissions and further: towards 400 parts per million, 380, 350 … It would be some repair to match the tropical rewilding. The demand for nationalising fossil fuel companies and turning them into direct air capture utilities should be the central transitional demand for the coming years. But, needless to say, it would make no sense if CO 2 were still belching out into the atmosphere: emitting and capturing would be a bizarre dissipation of resources to no avail. Everything begins with draconian restraints and cuts. They alone could pave the way for actual drawdown; the sooner they start, the less need for a secondary mega-infrastructure of clean-up. The problem could also be attacked from another angle: not supply but demand, rather like in the first phase of the Covid-19 pandemic. Then it was demand, above all in the transport sector, that went off a cliff and pulled emissions along. In late April 2020, Scientific American publicised the forecast that total global emissions would fall by no more than 5 per cent during the year – in spite of the spring drop by one fourth in China and roughly one fifth in the US – as economies were expected to rebound in the summer and autumn. The journal noted that as record-breaking as a 5 per cent reduction would be, it would still fall short of ‘the 7.6 per cent decline that scientists say is needed every year over the next decade to stop global temperatures from rising more than 1.5 degrees Celsius’. Nearly 8 per cent every year – a far cry indeed from the expected 2020 hiatus (if not from the initial months-long collapses). What would that require? Comprehensive, airtight planning. Everybody knows this. Few say it. One can obviously not rely on spontaneous cessation of demand, or on people just quitting travel; there would have to be a continuous substitution of one kind of energy for another over the transitional period – or, ‘a single economic plan covering the whole country and all branches of productive activity. This plan must be drawn up for a number of years, for the whole epoch that lies before us’, to cite Leon Trotsky. One can of course find this idea so repugnant that one would rather give up on the climate of the earth. And that is indeed the choice the dominant classes and their governments wake up to make every morning. Regardless of whether the problem is attacked from the supply or the demand side, the race to zero would have to be coordinated through control measures – rationing, reallocating, requisitioning, sanctioning, ordering … – so as to fill the gap after fossil fuels. The substitutes themselves are in no need of elaboration. The literature on the Green New Deal and renewable energy roll-out and climate wartime mobilisation is extensive enough to guide a transition several times over. Here we truly are in the situation of Lenin’s September text: everybody knows what measures need to be taken; everybody knows, on some level of their consciousness, that flights inside continents should stay grounded, private jets banned, cruise ships safely dismantled, turbines and panels mass produced – there’s a whole auto industry waiting for the order – subways and bus lines expanded, high-speed rail lines built, old houses refurbished and all the magnificent rest. ‘The ways of combating catastrophe and famine are available’, approaching common knowledge. ‘If our state really wanted to exercise control in a business-like and earnest fashion, if its institutions had not condemned themselves to “complete inactivity” by their servility to the capitalists, all the state would have to do’ would be to roll up the sleeves. Another part of Lenin’s logic applies too: any government that would ‘wish to save Russia from war and famine’ would have to get down to this kind of work. be the central transitional demand for the coming years. But, needless to say, it would make no sense if CO 2 were still belching out into the atmosphere: emitting and capturing would be a bizarre dissipation of resources to no avail. But the lingering conclusion from our initial comparison between corona and climate is that no capitalist state is likely ever to do anything like this of its own accord. It would have to be forced into doing it, through application of the whole spectrum of popular leverage, from electoral campaigns to mass sabotage. Left to its own devices, the capitalist state will continue to attend to symptoms, which, however, must eventually reach a boiling point. One can imagine that in the next years and decades, storms will bite into property, droughts tear apart supply chains, crop yields halve, heat waves enervate labour productivity to the extent that the timeline of victimhood catches up with the dominant classes. The second contradiction will then be upon them. States might no longer be able to just parry the impacts, but feel compelled to safeguard the background condition before it crashes irretrievably. Judging from the reaction to Covid-19, they will grasp for a control measure that can flatten the curve at once, and there is one such known in the libraries of science: solar geoengineering. Spraying sulphate aerosols into the atmosphere is the single kind of injection with a potential to instantly reduce planetary fever. However large in scale, direct air capture would need decades to bring temperatures down; sulphate aerosol injection can cut insolation from one month to the next. Year after year of business-as-usual, this is the pseudo-solution that sneaks up on us like a thief in the night.Indeed, under the cover of the pandemic, in mid-April 2020, one of the largest experiments in geoengineering so far was carried out on the Great Barrier Reef, then subject to the third outbreak of mass bleaching in five years (did anyone notice?). Scientists were authorised by the state to spray trillions of nano-sized ocean salt crystals into the air from the back of a barge. The hope was that these particles would make clouds brighter, so they would reflect more sunlight away from the ocean and shield the reef from the heat. The team told the Guardian they could see corals ‘bleaching around us’ as they bobbed over them. This is a technology distinct from sulphate aerosol injection, namely marine cloud brightening, potentially deployed on a local or regional scale by a state such as Australia, which, numerous monumental disasters notwithstanding, cannot bring itself to impose any control measures on coal extraction. The logic is robust. As one of the sharpest scholars in the field, Kevin Surprise, has argued, solar geoengineering might well be launched on a planetary scale as a fix against the second contradiction, because capitalist states appear constitutionally incapable of going after the drivers. It is fairly widely known that such intervention in the climate system could switch the planet onto another track towards catastrophe. Meanwhile, the corals keep bleaching, the swarms forming, the ice melting, the animals moving. A pestilential breath devastating humanity There has been a lot of talk about ecological Marxism in recent years, and with the chronic emergency over us, the time has come to also experiment with ecological Leninism. Three principles of that project seem decisive. First, and above all, ecological Leninism means turning the crises of symptoms into crises of the causes. From August 1914, this was, of course, the thrust of Leninist politics: converting the outbreak of war into a blow against the system that engendered it. Our Great War is not an actual war between armies, nor a singular event that can be concluded or paused after half a decade: this emergency is chronic, which means that crises of symptoms will ignite again and again, and every time they do, the strategic imperative must be to switch energies of the highest voltage against the drivers. It is difficult to see how else the conditions can ever be ameliorated. Has anybody got another idea? Oh yes: make clouds and invent vaccines; block solar radiation and track the movements of people. At their best, such proposals amount – to borrow from Greta Thunberg’s favourite metaphor – to surviving inside a burning house by drinking lots of cold water. Virtually by definition, the most classical Leninist gesture is the only one that can point to an emergency exit. It is worth re-emphasising just how central the category of catastrophe was to the evolution of revolutionary Marxism. In her polemics with Bernstein, Luxemburg never tired of stressing it. She has become most renowned for the sound bite ‘socialism or barbarism’ but, as Norman Geras has shown in a superb exegesis, that deep dichotomy structured her theory and praxis all the way from the battle with Bernstein to her death at the hands of the Freikorps. One year into the war, she warned that humanity faced a choice between ‘the destruction of all culture, and, as in ancient Rome, depopulation, desolation, degeneration, a vast cemetery’ – or victory for ‘the conscious struggle’ against the imperialism that drove the war. ‘Wading in blood and dripping in filth’, capitalist society has become ‘a pestilential breath, devastating culture and humanity’. That peculiar type of society now ‘endangers the very existence of society itself, by assembling a chain of devastating economic and political catastrophes’; in its present phase, the expansion inherent in capital ‘has adopted such an unbridled character that it puts the whole civilisation of mankind in question’. Luxemburg expected world war to become a ‘permanent’ state of affairs. It didn’t, and here the differentia specifica of the chronic emergency must again be underscored: it works itself out through biophysical processes that cannot be fought or negotiated to an end. One does not bomb out or bargain with the radiative forcing of CO 2 . That forcing is an immutable function of the quantity of the gas in the atmosphere, which means that this pestilential breath has another order of permanency and aggravation – until the moment of deliberate intercession, still only hypothetical. Following Geras’s reading of Luxemburg, we can then say that ‘barbarism’, depopulation, a vast cemetery really are the inevitable ends of a capitalism left to itself (here precluding the long-term effectiveness of solar geoengineering as a stand-alone measure). But writing in 1975, he recoiled from this conclusion as excessively apocalyptic. ‘Ecological catastrophe may, today, be invoked to lend that vision plausibility’, he noted in passing; half a century later, there is scant need for the caveat. This, then, is the syntax of revolutionary Marxism, present already in the first section of The Communist Manifesto: the fight ends ‘either in a revolutionary reconstitution of society at large, or in the common ruin of the contending classes’. There can be little doubt about which of the two outcomes is currently the more likely. Hence the accentuated ‘conditional mood of the probability of a catastrophe that there is still time to forestall. Things will end up badly, if … But they can (still) be sorted out …’, as another thinker from the same tradition, Daniel Bensaïd, distils the predicament. It was because Luxemburg threw herself into efforts to forestall further catastrophe that she, for all their disagreements, ended up on the same side as Lenin. A second principle for ecological Leninism can be extracted from their position: speed as paramount virtue. ‘Whether the probable disaster can be avoided depends on an acute sense of conjuncture’, writes Bensaïd, who reconstructs the crisis of September and observes that ‘waiting was becoming a crime’. Or, with Lenin himself: ‘delay is fatal’. It is necessary to act ‘this very evening, this very night’. The truth of these assertions has never been more patent. As anyone with the barest insight into the state of the planet knows, speed, very regrettably, because of the criminal waiting and delaying and dithering and denying of the dominant classes, has become a metric of meaning in politics. ‘Nothing can now be saved by halfmeasures.’ Third, ecological Leninism leaps at any opportunity to wrest the state in this direction, break with business-asusual as sharply as required and subject the regions of the economy working towards catastrophe to direct public control. It would mean that ‘one part of the population imposes its will upon the other part’, to speak with Engels. Nothing from the past decades of stalled transitions indicates that ExxonMobil would like to metamorphose into a cleaner and storekeeper of unsalable carbon, or that meat and palm oil companies would gladly let their pastures and plantations be rewilded. It appears tautologically true that an actual transition would require some coercive authority. If anarchists would ever wield influence in such a process, they would quickly discover this circumstance and, just like anybody else, have to avail themselves of the state. But what state? We have just argued that the capitalist state is constitutionally incapable of taking these steps. And yet there is no other form of state on offer. No workers’ state based on soviets will be miraculously born in the night. No dual power of the democratic organs of the proletariat seems likely to materialise anytime soon, if ever. Waiting for it would be both delusional and criminal, and so all we have to work with is the dreary bourgeois state, tethered to the circuits of capital as always. There would have to be popular pressure brought to bear on it, shifting the balance of forces condensed in it, forcing apparatuses to cut the tethers and begin to move, using the plurality of methods already hinted at (some further outlined by the present author in How to Blow Up a Pipeline: Learning to Fight in a World on Fire). But this would clearly be a departure from the classical programme of demolishing the state and building another – one of several elements of Leninism that seem ripe (or overripe) for their own obituaries. On the other hand, the chronic emergency can be expected to usher in pronounced political volatility. ‘The deeper the crisis, the more strata of society it involves, the more varied are the instinctive movements which crisscross in it, and the more confused and changeable will be the relationship of forces’, to quote Georg Lukács. The rather startling measures used to combat the spread of Covid-19 might have been a foretaste. Who knows what openings other moments of impact might bring. In some, popular initiatives may rise to prominence. The 2013 edition of the ‘worldwide threat assessment’ compiled by the US intelligence community warned that climate disasters risk ‘triggering riots, civil disobedience, and vandalism’; similar predictions are legion. If or when they are fulfilled, the mission of ecological Leninists is to raise consciousness in such spontaneous movements and reroute them towards the drivers of catastrophe. Hence the heightened relevance of the slogan that for Bensaïd ‘sums up Leninist politics: “Be ready!” Be ready for the improbable, for the unexpected, for what happens.’ It includes a readiness to, with Lenin’s own words, ‘set to work to stir up all and sundry, even the oldest, mustiest and seemingly hopeless spheres, for otherwise we shall not be able to cope with our tasks’. If the matter is exigent, the material at hand must be used. On this view, ecological Leninism is a lodestar of principles, not a party affiliation. It does not imply that there are any actual Leninist formations capable of seizing power and implementing the correct measures – the world has never been shorter on them, and most of the few that remain show overt signs of infirmity. The old Trotskyist formula ‘the crisis of humanity is the crisis of the revolutionary leadership’ must be updated. The crisis is the absence – the complete, gaping absence – of any leadership. The seed bank exists in an arid space approaching empty desert; anything brought out from it would have to be genetically modified to grow under the present sun and watered by subjects inventing themselves anew. Two elements do, however, as we have argued, appear essential. The basic make-up must harbour a predisposition for emergency action and an openness to some degree of hard power from the state. Anarchism detests the state; social democracy shrivels in catastrophe. But there is no reason not to experiment with ecological Luxemburgism, or ecological Blanquism, or Guevarism, or indeed Trotskyism … nor is there reason to give up on the sheer deductive force of revolutionary Marxism: ‘The inherent tendencies of capitalist development, at a certain point of their maturity, necessitate the transition to a planful mode of production, consciously organised by the entire working force of society – in order that all of society and human civilisation might not perish’, again with Luxemburg. But ‘necessitate’ does not mean ‘preordain’. Something can be necessary and yet never come about.

#### 3] Refusal of science and objectivity is capitalist obfuscation which precludes the ability to develop liberatory knowledge and shuts down self-criticism – truth is found through commitment to revolutionary practice.

Escalante ‘19

[Alyson, revolutionary Marxist (duh), philosophy at U of Oregon. 09/08/2019. “Truth and Practice: The Marxist Theory of Knowledge”. <https://failingthatinvent.home.blog/2019/09/08/truth-and-practic-the-marxist-theory-of-knowledge/>] Pat

I will not refute these theorists here, because I am attempting to write specifically to other Marxists who desire to better understand a the theory of knowledge which underpins scientific socialism. It is worth nothing however, that these theorists rejected the very epistemological core of Marxism and therefore served bourgeois interests. If truth cannot actually be attained, if knowledge is nothing more than competing discourses, then it is not possible for us to come up with a universal and unified theory of knowledge which could guide revolutionary struggle. As such, Marxists must insist on the possibility for true ideas to be ascertained. We must insist that practice in the form of revolutionary struggle can help us develop true ideas, and we must demonstrate that those ideas in turn further our struggle and help us achieve success.

We must be able to look to past struggles and determine which universal truths were derived from those struggles. We can look to the October revolution, for example, and see that Lenin’s theory of a revolutionary vanguard party showed itself to be correct in the Russian revolutionary struggle. We can further see that it continued to be proved correct in the Chinese and Vietnamese revolutions. Therefore, we can insist that the Leninist theory of the revolutionary vanguard party is true. For Marxists, this isn’t a matter of opinion, its not a historical truth bound to the 20th century, and its not just one discourse of revolution competing with others. Marxism must stand at odds with skeptical and postmodern theories of knowledge in order for it to claim to be a scientific approach to socialism at all.

The problem is not simply that skepticism has been used by bourgeois liberals to reject Marxism. Although he is not a Marxist himself, philosopher Bruno Latour has demonstrated that postmodern skepticism of truth and the possibility of developing a scientific approach to politics has become a tool for explicitly reactionary and right wing political actors. In his text, Why Has Critique Run Out of Steam, Latour notes that right wing capitalists have weaponized the language of skepticism and the limits of scientific knowledge to deny the reality of climate change. Capitalists have begun to obscure their own destruction of the environment by insisting that scientific knowledge isn’t totally possible, and that science is just one more discourse among many. They insist that we cannot trust the scientific evidence of capitalist driven climate change because science is just one theory of knowledge which can’t be said to be universally true. He notes that the Foucault’s conflation of knowledge with power has not challenged imperialist institutions, evidenced by the fact that the US DARPA intelligence unit has adopted the motto “knowledge is power.” The idea that truth does not exist, or that it is not knowable, has not challenged capitalist and fascist social forces, it has only aided them by attempting to destroy the scientific basis of revolutionary resistance to capitalism.

Unfortunately, many on the left have embraced a sort of postmodern skepticism towards the possibility of truth. In doing so, they have abandoned the central epistemological core of Marxism. It is crucial for Marxists today to insist that truth exists, can be ascertained, and that only practice is capable of ascertaining it. If we abandon this view, we abandon the ability to wield knowledge as a weapon against the capitalist class. That is something that we cannot allow.

Part 3: Epistemic Self Criticism

While we cannot embrace postmodern forms of skepticism, it is worth noting that some critics of scientific truth have made better points than others. Decolonial critics have argued that European notions of science have been used to justify settler colonialism and genocide, and anti-colonial critics of Marxism have criticized certain eurocentric assumptions made by Marx and Engels.

It is true that Marx and Engels sometimes failed to interrogate their own eurocentric assumptions, but this does not mean that we must reject Marxism or the scientific aspect of Marxist epistemology. In his fantastic essay This Ruthless Criticism of All That Exists, J. Moufawad Paul explains that we can criticize specific mistakes made by Marx and Engels as individuals without rejecting Marxism. He writes:

“Accepting that Marxism is scientific does not, by the very condition of science, mean that we are unable to criticize the erroneous positions of Marx, Engels, and other theorists within this terrain. In fact, according to the very concept, the opposite is the case: a science stands above and beyond its theoretical contributors.”

In this quote, JMP explains that the scientific status of Marxism is actually central to being able to critique the mistakes of Marx and Engels as individuals. Because Marxism is a scientific paradigm, we can understand individual mistakes or deviations of its founders not as corrupting the Marxism, but as a failure to apply Marxism in all their views.

While this might sound like a bit of a cop-out to many, JMP explains that we apply this same analytic to other scientific discovers. He explains, “We know, for example, that Darwin was a racist just as we also know that this undeniable fact does not mean that the theory of natural selection is racist, let alone incorrect.” Likewise, all serious scientists take the ideas of Einstein seriously regardless of Einsteins other individual ideas. When not discussing Marxism, we are all used to separating a scientific discovery or method from the individual who produced it. Marxism ought not to be treated any differently.

Marxism as a scientific approach to socialism is the best tool we have for criticizing the mistakes of individual Marxists. In fact, the concept of self criticism is central to Marxism itself. In On Coalition Government, Mao writes,:

Conscientious practice of self-criticism is still another hallmark distinguishing our Party from all other political parties. As we say, dust will accumulate if a room is not cleaned regularly, our faces will get dirty if they are not washed regularly. Our comrades’ minds and our Party’s work may also collect dust, and also need sweeping and washing.

Marxists insist on constantly reassessing our views and criticizing our mistakes. In doing so, we demonstrate the reflexive nature of Marxism, and show that Marxism remains the best tool for criticizing the failures of Marxists.

This reflexive self criticism is built into the Marxist epistemology that Mao develops throughout his writing. In the movement first from perceptual knowledge then to rational knowledge and then to practice, we see the beginning of the need for self criticism. If our theories fail when applied and tested in practice, we have to self criticize and determine where we erred in the development of our theories. We may have not properly investigated the conditions in which we were operating, which would mean that our error lied in the perceptual stage of knowledge. We may also have failed to rationally consider the results of our investigation, or we may have made fallacious jumps in logic while trying to formulate a theory, which would mean that our error lied in the rational stage of knowledge. Either way, when our ideas fail in practice, we are forced to reassess our previous thought process and criticize our failures. In this way, Marxism is constantly engaged in a criticism of itself. The process of developing correct ideas requires failure. More importantly, it requires active and honest reflection on the causes of that failure. Marxism’s scientific epistemology gives us the tools to correct the errors of Marxists.

Thus, we can understand that while Marx and Engels may have failed to interrogate their own eurocentrism, and while Marx famously incorrectly defended colonialism in India, we can best criticize Marx and Engels for failing to properly apply Marxism in those instances. JMP points out that some of the most scathing critiques of eurocentrism within Marxism have been written by Marxists. This should not surprise us. Furthermore, because of Marxism’s ability to self criticize, it can also incorporate the useful ideas that its critics might develop. JMP writes that, “Indeed, Marxism has a history of borrowing and transforming non-scientific notions from other theoretical tendencies. For instance, Marx borrowed from Smith and Ricardo just as Lenin would later borrow from Hobson and Hilferding.” Similarly, Marxism can integrate anti-colonial criticisms of enlightenment thought, while not abandoning the belief in truth and science.

This insistence on the scientific status of Marxism is crucial, and it shows just how revolutionary the Marxist epistemology is. JMP summarizes this incredibly concisely:

Most importantly, though, this science of Marxism is revolutionary science. If each science possesses a corresponding practice (i.e. the laboratories and theoretical methods of chemistry, for example, are particular to its field), then historical materialism’s practice is revolution. That is, Marxism is not simply an analytical framework used to examine historical and social phenomena ––though it is also this–– but only functions as such a framework inasmuch as it develops according to its fundamental axiom: class struggle is the motor of history.

Because Marxism has a corresponding practice (the practice of revolution), we can see its self critical nature played out not just on the theoretical level but on the practical level.

Despite the occasional eurocentrism of its founders, Marxism has become a massively important tool for anti-colonial and decolonial struggle around the world. Lenin’s insights into the capitalist function of colonialism, Stalin’s insights into the progressive role of national liberation struggle, and Fanon’s later analysis of the need for violent decolonization all demonstrate the evolution of Marxism as it developed a scientific response to the horrors of colonialism. In practice we can see that Marxism moved beyond any eurocentric ideology and became a powerful tool in the fight against European and western imperialism, regardless of Marx’s own ideological errors. This is because Marxism is more than just the sum total of Marx’s writings, it is a scientific method. Mao captures this reality perfectly in Oppose Book Worship when he writes:

When we say Marxism is correct, it is certainly not because Marx was a “prophet” but because his theory has been proved correct in our practice and in our struggle. We need Marxism in our struggle. In our acceptance of his theory no such formalisation of mystical notion as that of “prophecy” ever enters our minds.

We can see this same attitude adopted by those struggling for decolonization in North America today. On September 6th, 2019, The Red Nation released a statement titled Revolutionary Socialism is the Primary Political Ideology of The Red Nation. In this statement, they insist that “Our traditions of Indigenous resistance wield Marxism, not to uphold European traditions, but to emancipate ourselves from the colonizers by destroying that which destroys us.” They hereby separate Marxism from the ideologies of Europe, and instead insist that Marxism is a tool to be wielded by the oppressed. They further assert that,

Marxism is founded on the expropriated knowledges of non-capitalist Indigenous societies. Although Marx himself was wrong about many things, Marxism, as a science, has a built-in self-correcting mechanism that has helped revolutionaries throughout the world build off the political theory Marx first formulated. If this were untrue, there would be no Russian Revolution, no African Revolution and decolonization movement, no Vietnamese liberation, no Bolivarian Revolution, no Cuban Revolution, no Chinese Revolution, etc. Each adopted Marxism and applied it to its specific and unique circumstances by building off the long struggles against exploitation and European imperialism.

In this statement, The Red Nation recognizes the self critical movement at the core of Marxist epistemology, and recognizes that Marx’s own errors do not necessitate rejection of scientific socialism.

Decolonial and anti-colonial critics of Marxism were often correct to point out eurocentric assumptions built into Marx and Engels’ writing, but it is the self critical move at the center of the Marxist theory of knowledge that has allowed Marxism to integrate the productive aspects of these critiques and become a necessary tool in the struggle for decolonization. The epistemic self criticism built into Marxism, found throughout the writing of Mao, is what sets Marxism apart as truly revolutionary science.

#### 4] Capitalism is lagging –

Cockshott 98 [Paul, 1998, Department of Computer Science, Strathclyde University, Glasgow, Scotland, “Application of Artificial Intelligence Techniques to Economic Planning”, *University of Strathclyde* //GBS Majeed & Jacobs]

Relevance of computer science Computation is always a physical process. It is always performed by real physical mechanisms. These may be humans, humans aided by pen and paper, humans aided by calculators or electronic computers. At some point in the future these may be replaced by other physical mechanisms, perhaps based on optics. Whatever the mechanism, it has an economic cost. Human statisticians must be paid, computers must be built. There exists a body of laws which describe the costs of computation (Kronso 1987). The investigation of these laws is the task of computer science. In conjunction with the disciplines of electronic engineering and software engineering, it develops practical techniques for the solution of large-scale computations. The computational feasibility of a problem depends upon the rate at which the number of elementary arithmetic operations required to solve it grows with the size of the problem. If we label the size of the problem N then the complexity of a problem is characterized by some function complexity = F(N) which defines the least upper bound of the number of elementary arithmetic steps required. Tractable problems should have polynomial complexity functions. For really large N it is desirable to have a function of linear or log.linear complexity. These costs are conventionally expressed in terms of time. They may alternatively be mapped into costs in terms of space. By physical replication of components it is often possible to reduce the time taken to perform a computation, but the product of time by space occupied tends to be invariant for a given algorithmic technique and a given problem. This has obvious economic implications. The time and space abstractions of complexity theory translate into real economic costs. A computation is not worth doing if the answer arrives too late to do anything about it. If the cost of the computer required to solve a problem is greater than the savings to be made from solving it, it is better not to try. A large number of problems may be viewed from the standpoint of computation. We can for instance consider the operation of a market economy as a computational process. Loosely speaking we would describe the ’problem’ as being defined by the available physical resources and the demand schedules of the consumers. The objective of the calculation would be to ’arrive at a set of prices and a distribution of resources that optimally met the demand schedules. We are justified in thinking of this as a computational process because of a very powerful theorem of computer science that any finite physical process may be viewed as a computation and simulated on a computer (Deutsch 1985) with an appropriate program. A market economy is a rather slow computer since the basic steps of information transformation (price changes) only come about by the intermediary of changes in the physical volume of outputs. The elementary steps in the computation may take months or years, during which the availability of resources and demand schedules change. As a result the computation does not terminate. A planning bureau in a centrally controlled economy is more obviously a computational process. In this case the computation is not tied to alterations in the volume of physical output but proceeds either through the exchange of draft plan proposals between economists (Kornai 1975) or through the execution of programs on the planning bureau’s computers. In currently existing planning bureaus a considerable part of the process is still human mediated, which slows down the computational cycle. It may be the case that the speed to compute a plan in this way will actually be slower than the relaxation time of a market. Computer technology has delivered very big increases in productivity over the last forty years. The speed difference between hand calculation and doing the same thing on the fastest modern computer is about 10 to the power of 11. No other technology has achieved increases remotely like this. This raises the possibility that an entirely automatic computer program could perform the computations necessary for the control and balancing of production far faster than either a market or a planning bureau. To demonstrate that this is feasible we have to show that the problem of plan allocation can be cast in a form that is amenable to computer solution and that the complexity function of this computation has a time/space product that is economically acceptable. Limits to the formalism of linear programming Kantorovich demonstrated that the plan problem as formalized by him was logically soluble using linear programming techniques. Although it is logically possible to compute the correct allocation of resources to industries by these techniques, their practical application is hindered by several factors. Among these are the lack of data or poor quality of data available to the planning authorities in socialist economies and the technical backwardness of their computing machines. More significant is the question of computational complexity. Nove emphasises the scale of the problem,saying that there are 12 million distinct products in the Soviet Economy. He quotes a Soviet Economist as saying that it would take the whole population of the world millions of years just to solve the equations required for the plan of the Ukraine. The cost ofsolving linear programming problems grows non-linearly with the number of industries considered. Just to store the technical coefficients as an input/output matrix for the USSR economy would take around 1000000000000000 bytes of computer memory. At current prices of around $1000 per million bytes, this means the computer would cost upwards of 100 billion dollars. This alone would rule out applying a linear program to the whole economy even before we consider the running time of the program. To be acceptable the computation period should not exceed a few months, otherwise decisions arrive too late. Ideally we would like answers the same day. The cost of the computers and communications networks needed for the process should be less than the existing computing budget of an advanced economy, so that the computational tail does not wag the economic dog. We next argue that the problem of creating a balanced plan is order NlogN and computationally tractable provided that it is cast in terms of a different optimization model. Representing the problem The approach is to construct an internal computer model of the complete production structure of the economy and of the desired pattern of output. A form of search algorithm is then undertaken to discover a pattern of resource allocation that is close to optimal. It only gets close to optimal since the type of search procedure used is an iterative optimization which is terminated once an acceptable level of performance is achieved. The production structure of an economy is conventionally represented as an Input/Output matrix from a computational viewpoint. The memory storage requirement of a matrix grows as N 2 and the time order of matrix operations is greater than linear. Advantage is taken of the fact that real input/output matrices will, if expressed in natural rather than value units, be sparse. This allows the problem to be remodeled. Assume that there exists an enumerated type PRODUCT in our computational model of the economy such that the range of values of the type corresponds to the range of real products in the economy. An implementation of the type might be the bar-code number associated with each product. The other types used in the model are STOCKS, FLOWS, TECHNOLOGIES, and INDUSTRIES. A STOCK is defined to be an ordered pair of type (integer, PRODUCT) defining a number of units of a product. A FLOW is also of type (integer, PRODUCT) but is defined to be of dimension d dt (STOCK) By convention we define the consumption of a product to be a negative flow and the production of a product to be a positive flow (having negative and positive valued integer parts, respectively). A TECHNOLOGY is defined to be a function of type (\*STOCK → \*FLOW). That is to say it maps a set of stocks to a set of flows. (In what follows the notation \*X will mean the type of a set of X.) The interpretation of this is that the technology will allow a production process to take place such that: a given set of stocks will cause a net consumption of some products and a net production of others. Specifically, we assume that to generate a given net output, stocks of inputs must be combined in fixed proportions. So that: STOCKj = Icj Where I is the intensity with which a technology operates, cj is a constant, and STOCKj is the minimum stock of input j needed to attain this intensity. It is assumed that the flows induced by the technology will be of the form: FLOWj = fjI where the f are constants. An INDUSTRY is characterized by the combination of a set of stocks with a technology, hence (\*STOCK, TECHNOLOGY).1 The industry’s dynamic behaviour is characterized by the application of the technology function to its stocks. The above representation of the problem has the great advantage over linear programming approaches that it involves no matrices. In practice the matrix of technical coefficients of the economy would be very sparse. By using a set representation, the same information can be encoded much more efficiently. Using a suitable compact set representation the store required will grow proportionally to the product of the number of types of goods times the number of direct inputs that go into each distinct good. Because the mean number of direct inputs to a product is likely to be hundreds not millions, the memory costs for a representation of an economy are reduced by several orders of magnitude. A computer of the appropriate size would be expected to cost a few million dollars rather than hundreds of billions of dollars. The plan problem The plan problem can be defined as follows: given a set of stocks that exist at the current time period, and given a desired pattern of consumption of consumer goods, and a pre-given set of technologies, find the industrial structure that best meets this. This involves deciding how to allocate the aggregate stock of means of production between all of the industries. This can be solved by using techniques borrowed Irom artificial intelligence. Welfare economics is dependent upon the assumption that consumers are capable of chosing an optimal consumption pattern subject to certain constraints. This is a particular representation within the domain of economics of the ability of neural systems-human brains-to perform constraint satisfaction computations. Humans carry out constraint satisfaction computations all the time with our most basic physical movements. When we walk across the room and pick something up, our brain has solved an enormously complex constrained cost minimization function that has as its parameters all sorts of information about the degrees of freedom of our joints, the lengths of our bones, the impossibility of walking through tables, the fact that energy consumption is minimized by walking on our feet rather than our knees etc. We are unaware of them because trial and error during infancy specialized our brains for this sort of calculation. Economic planning is a problem of constraint satisfaction. Neural systems are consumately effective at constraint satisfaction, so it is beneficial to apply what has been learned through the study of neural networks to this area. Neural nets can be thought of as collections of entities with local interactions. The same can be thought of industries. An industry interacts with its immediate suppliers and customers. A neurone interacts with the other neurones that supply it with input signals and in turn drives output signals to other neurones. The intensity with which an industry is operated can be modeled by the frequency with which a neurone fires. A real neural analogue computer might have a neurone to represent each industry and would be set up with appropriate weights on its synapses to represent the strength of its coupling to other industries. The system is then presented with externalstimuli representing the desired pattern of output and the available inputs and is ’trained’ to select a pattern of industry activation that meets these constraints. In practice we would simulate the neural analogue computer on one or more digital computers. We end up with a digital computer simulating a neural computer simulating the total production function of a whole economy. But the principle of training with positive and negative reinforcement remains. In order to achieve this we introduce function which we term a Harmony function. This is loosely based upon the notion of Harmony used in the literature on neural nets (Smolensky 1986). The notion behind it is that Harmony is a real-valued function that measures how closely the net output of the economy corresponds with the goal. The function TotalHarmony(output,goal) where out put,goal : ∗FLOW may be evaluated by summing the contributions to TotalHarmony from each product. We define the function PartialHarmony(p) where p : PRODUCT to take on the value 0 when the output of a product exactly corresponds to the goal; it becomes steeply negative as output falls below the goal and becomes slightly positive when output exceeds the goal. This corresponds to the notion that shortfalls are more important than surpluses. A possible form of the partial harmony function would be: PartialHarmony(p) = H (scale(out put(p),goal(p))) (1) Where the scale function is of the form: scale(o,g) = o−g g (2) and the function H takes the form: H(x) = 1 2 if x > 0 −x 2 if x ≤ 0 (3) Since this function has a downwardssloping first derivative it mimicsthe economists’ notion of diminishing marginal utility. The partial harmony function depends upon relatively local information: the computed supply and demand for the product of an individual industry. This makes it suitable for use in a neural-motivated model. Given the partial harmony function we can construct a total harmony function: TotalHarmony = Σp PartialHarmony(p) (4) We redefine the problem as that of finding an algorithm that will adjust the distribution of stocks between industries so as to maximize harmony. The algorithm We start off with a random distribution of stocks between all industries, subject only to the constraint that stocks of a product are only allocated to those industries that use it as an input. 1. Find the rate-limiting factors For each industry determine the product for which the input stock acts as a rate limiting factor. Assume that the production function for the industry in question requires that the inputs must be combined in fixed proportions. This step will be of order k0NM where N is the number of industries and Mis the mean number of inputs per industry. 2. Remove non-critical resources If we have determined the critical resource for a production process and if we have a linear production function we can determine the stock of each other product that is required to optimally match the stock of the current critical resource. This is again subject to the assumption that the inputs must be combined in fixed proportions. We call this the balancing stock. Given the balancing stock of each non-critical input we can deduct any excess stocks and assign them to a global reserve. This step will again be of time order k1NM This step does not reduce net production as the resources moved to the central reserve are defined to be non-essential. In consequence, total harmony is not reduced by this step. 3. Compute partial harmonies Evaluate the partial harmony of each product. This involves calculating the net production of each product, comparing it with the goal and applying the harmony function. If this is done by iterating through each industry and evaluating the product flow contributed by that industry the time order of this will be k2NM +hN where h is the cost of applying the partial harmony function to a single product. 4. Compute mean harmony Given the partial harmonies, the mean and total harmony can then be computed. This will be of order N. 5. Sort in order of harmony We assume that there is only one industry acting as a net producer of each product. The harmony function originally applies to products; we now associate each industry with the partial harmony of its product. This enables us to order the industries in terms of ascending harmony. As a sorting operation this will be of complexity Nlog(N). 6. Reallocate reserves The stocks in the global pool are reallocated to industries starting with those industries that are least harmonious. (Note that these are purely notional transfers performed on the representation of the economy in the computer; no real transfers occur until the whole computation has terminated.) For each of these industries we calculate the additional stocks required to bring the industry up to mean harmony and allocate these to it from the global pool. The time order of this stage will be k3NMp where p is the proportion of industries that can have this done to them before stocks run out. As each industry has resources allocated to it, it is moved into the appropriate position in the list of industries and the mean harmony is re-evaluated. The cost of this operation will be of order pN log(N). 7. Reduce harmony peaks Up to this point all steps have tended to conserve or increase harmony. This is because they all tend to maintain or increase total production. We now have to alter the composition of production towards the most harmonious overall structure. This involves reassigning resources from those industries with the highest harmony to those with the lowest. Since the derivative of our harmony function dH decreases throughout its range, the system is characterized by diminishing marginal harmony. In consequence, total harmony can in some circumstances be increased by moving resources from the production of products with above-average harmony to those with below-average harmony. Our next step is to transfer resources from the most harmonious to the least harmonious branches of production. The set of products that are of above-average harmony is identified, the outputs of the industries producing them are scaled down until they are producing at average harmony, and the resourcesreleased are allocated to the global reserve. The complexity of this operation is k4NMq where q is the proportion of products of above-average harmony. 8. Iterate steps 6 and 7 till increase in harmony is small The crucial point here is how often the process has to be iterated. The limit to the complexity of the whole operation will be: R(pN (k3M +log(N))+k4NMq) where R is the number of iterations required. If we assume that the number of products in an economy is of the order of a million then M may well be greater than log(N). If we assume that M is of the order of 100 then the number of steps for the balancing of a million-product economy would be of the order of Rk5108 For an optimized program we might estimate the number of steps to be between 10 billion and 100 billion. Given that the fastest current computers operate at several billion operations per second (Frenkel 1986), this seems to be well within the bounds of feasible computation. Experimental verification The algorithm was programmed in the C programming language and a series of experimental runs made with simulated economies. The inputs to the program were: (1) a set of N technologies, (2) a set of target outputs for each product, (3) a set of stocks of means of production. The inputs were prepared by another program that ensured that the technologies were feasible, i.e. that the Sraffaian (Sraffa 1960) basic sector was capable of producing a surplus product, and that sufficient stocks of means of production were provided to meet the goals. The particular details of the technologies, targets, and stocks were, subject to these constraints, produced by a random-number generator. It was observed that the algorithm as given above did redistribute the stocks between industries in order to equalize harmony levels between industries. However it was found that industries converged upon a mean level of harmony that still left unused stocks of resources. There seem to be two alternative interpretations of this tendency to leave excess stocks. One possibility is that the system gets trapped in a local maximum of harmony that is below the global optimum such that no small variation in resource allocation would allow the system to escape from this local maximum. Alternatively, the fault may lie with the algorithm having an excessive tendency to converge towards the current mean harmony level. The problem of local maxima is also encountered in neural net simulations and it is avoided by using the technique of simulated annealing (Kirkpatrick et al 1983). In that case, thermal noise is added to ensure that the system moves towards a global maximum of harmony. The algorithm was thus modified to incorporate simulated annealing. In steps 6 and 7 a target output is computed for each industry such that production at this level would result in the industry being at mean ’harmony’: targeti = H(meanharmony) (5) The target is computed using the inverse harmony function H’ for the industry concerned. In order to overcome the strong convergence on the mean and the possibility of local maxima induced by this formula, an amplification a and a random noise variable n were added so that the output level was biased upwards: targeti = (1+n+a)H(meanharmony) (6) This also should allow for the system to escape local maxima. With each successive iteration the bias a and the noise variable n were reduced, allowing the system to go through two phases. In the first phase the target is dominated by the amplification bias, and all industries increase their outputs until resource constraints inhibit this. During the cooling phase the amplification bias tends towards zero and resources are gradually redistributed between industries. Monte Carlo type tests were performed on three versions of the algorithm: version 1 did not use amplification or thermal noise, version 2 used amplification alone, version 3 used both amplification and noise. A total of 49 runs of each the three algorithms were made. In all 49 runs the number of industries, the output goals, the technology, and the available stocks of resources were held constant. Each run used a different initial allocation of these resources between industries. For each of these initial allocation patterns the three versions of the algorithm attempted to find a maximally harmonious final resource allocation. The mean and standard deviations of the harmonies were then recorded for each algorithm on each run (Cottrell 1989). The results are summarized in Table 1. These seem to show that there is a statistically significant difference between version 1 and versions 2 and 3. The 95% confidence intervals for mean harmony are non-overlapping. On the other hand, there is not a significant difference between versions 2 and 3. Although the average mean harmony is a little higher when thermal noise is added to amplification, the 95% intervals for the populations are substantially overlapping. This implies that we should fail to reject the null hypothesis of equality between the two population means. The conclusion is that the addition of thermal noise is not worthwhile Algorithm Ver.sion 1 Version 2 Version 3 Average mean harmony -0..9473 1.3131 1.3180 Standard error 0..0012 0.0408 0.0406 Top of 95% confidence interval -0..9498 1.2314 1.2367 Bottom of 95% confidence interval 0..9448 1.3948 1.3994 Verifying that solution is correct Does the algorithm return the same solution as would have been arrived at by analytic means? In order to determine this, it was set the problem of computing the maximal harmony resource allocation for a system for which there was a known analytic solution. The approach was to define a set of goals and a set of technologiesto achieve these goals, and then to analytically determine the set of resources that were just sufficient to meet these goals with the given technologies. Let F be the input output flow matrix, then the net production flow matrix P is defined by P = (I −F) Now let the matrix of capital stocks required to sustain one unit of production for each industry be denoted by C and the goal vector by g. We can obtain the vector of stocks s just sufficient to meet the goals from the equation: s = C·(P −1 · g) If this quantity of stocks is harmoniously allocated between industries then the mean harmony of the system should be zero. This follows from the definition of harmony, which states that it is zero when outputs exactly equal goals. When the planbalancing algorithm was presented with a collection of industries whose total stocks had been calculated in this way, it terminated with a mean harmony of -0.0089. Given that the analytic solution assumed a real-valued stock vector which was rounded down to integer form for the plan-balancing algorithm, this was taken as evidence that the solution produced was correct to within rounding errors. Chart, line chart

Description automatically generatedChart, line chart

Description automatically generatedExperimentally determined time order Test runs were done with various numbers of industries. At the lower limit the number of industries was 30, at the upper limit 3750. In Fig. 1 two plots are shown of the computation time against number of industries for systems with M = 13 and M = 25, respectively. It will be observed that the run times are approximately a linear function of the number of industries. In general it was found that systems with large M converged after slightly fewer iterations than systems with small M and that for a given value of M the number of iterations was relatively independent of N. Figure 2 shows the evolution of mean harmony with successive iterations. The two phase development: rapid expansion followed by equilibration can be clearly seen. Conclusion The experimental results confirm the initial complexity analysis of the algorithm. The computer used for the computation had a floating-point arithmetic performance of less than 1 million operations per second. It was able to handle a system of 3705 industries in just over 320 seconds. It seems reasonable to project a similar compute time for balancing a plan of an entire economy on a modern super-computer. Nove gives an estimate of 12 million distinct products in the economy of one of the super-powers. This is an increase in the scale of the problem of about 3 orders of magnitude as compared to the experiment. The latest supercomputers have a throughput of several billion operations per second. This is again a 3-orders of magnitude improvement. Because 12 the algorithm depends upon local information, it should be suitable for multiprocessors. This implies that plan balancing in natural units is approaching the limits of what can be practically computed. Since computer technology advances quickly, what is at present marginally possible will soon be routinely possible. Such computations would only be as valid as the data available. To work they would presuppose the existence of an automatic data collection network, which relayed up-to-date information on partial production functions to the computer that performed the optimizations. We have argued elsewhere (Cockshott and Cottrell 1989) that this is well within the capabilities of current microcomputer and telecoms technology. We conclude that automated resource allocation by computer constitutes a third economic alternative to market allocation or bureaucratic allocation.

#### 5] Political Economics

Kellner ‘89

Douglas Kellner. “Baudrillard: A New McLuhan?” Illuminations: The Critical Theory Project. 1989. https://pages.gseis.ucla.edu/faculty/kellner/Illumina%20Folder/kell26.htm

Three Subordinations Undoubtedly, the media are playing an ever greater role in our personal and social lives, and have dramatically transformed our economy, polity, and society in ways that we are only now becoming aware of. Living within a great transformation, perhaps as significant as the transformation from feudalism to industrial capitalism, we are engaged in a process of dramatic mutation, which we are barely beginning to understand, as we enter the brave new world of media saturation, computerization, new technologies, and new discourses. Baudrillard's contribution lies in his calling attention to these novelties and transformations and providing new concepts and theories to understand them. Yet doubts remain as to whether the media are having quite the impact that Baudrillard ascribes to them and whether his theory provides adequate concepts to analyze the complex interactions between media, culture, and society today. In this section, I shall suggest that Baudrillard's media theory is vitiated by three subordinations which undermine its theoretical and political usefulness and which raise questions as well about the status of postmodern social theory. I shall suggest that the limitations in Baudrillard's theory can be related to his uncritical assumption of certain positions within McLuhan's media theory and that therefore earlier critiques of McLuhan can accurately and usefully be applied to Baudrillard. This critique will suggest that indeed Baudrillard is a "new McLuhan" who has repackaged McLuhan into new postmodern cultural capital. First, in what might be called a formalist subordination, Baudrillard, like McLuhan, privileges the form of media technology over what might be called the media apparatus, and thus subordinates content, meaning, and the use of media to its purely formal structure and effects. Baudrillard -- much more so than McLuhan who at least gives some media history and analysis of the media environment -- tends to abstract media form and effects from the media environment and thus erases political economy, media production, and media environment (i.e. society as large) from his theory. Against abstracting media form and effects from context, I would argue that the use and effects of media should be carefully examined and evaluated in terms of specific contexts. Distinctions between context and use, form and content, media and reality, all dissolve, however, in Baudrillard's one-dimensional theory where global theses and glib pronouncements replace careful analysis and critique. Baudrillard might retort that it is the media themselves which abstract from the concreteness of everyday, social, and political life and provide abstract simulacra of actual events which themselves become more real than "the real" which they supposedly represent. Yet even if this is so, media analysis should attempt to recontextualize media images and simulacra rather than merely focusing on the surface of media form. Furthermore, instead of operating with a model of (formal) media effects, I would argue that it is preferable to operate with a dialectical perspective which posits multiple roles and functions to television and other media. Another problem is that Baudrillard's formalism vitates the project of ideology critique, and against his claims that media content are irrelevant and unimportant, I would propose grasping the dialectic of form and content in media communication, seeing how media forms constitute content and how content is always formed or structured, while forms themselves can be ideological, as when the situation comedy form of conflict/resolution projects an ideological vision which shows all problems easily capable of being resolved within the existing society, or when action-adventure series formats of violent conflict as the essence of reality project a conservative view of human life as a battleground where only the fittest survive and prosper.[12] For a dialectical theory of the media, television would have multiple functions (and potential decodings) where sometimes the ideological effects may be predominant while at other times time functions a medium like television functions as mere noise or through the merely formal effects which Baudrillard puts at the center of his analysis. Consequently, there is no real theory or practice of cultural interpretation in Baudrillard's media (increasingly anti-)theory, which also emanates an anti-hermeneutical bias that denies the importance of content and is against interpretation.[13] This brings us to a second subordination in Baudrillard's theory in which a more dialectical position is subordinated to media essentialism and technological determinism. For -- according to Baudrillard -- it is the technology of, say, television that determines its effects (one-way transmission, semiurgy, implosion, extermination of meaning and the social) rather than any particular content or message (i.e. for both Baudrillard and McLuhan "the media is the message"), or its construction or use within specific social systems. For Baudrillard, media technology and semiurgy are the demiurges of media practices and effects, separated from their uses by specific economic and political interests, individuals and groups, and the social systems within which they function. Baudrillard thus abstracts media from social systems and essentializes media technology as dominant social forces. Yet against Baudrillard, one could argue that capital continues to be a primary determinant of media form and content in neo-capitalist societies just as state socialism helps determine the form, nature, and effects of technologies in certain state socialist societies. Baudrillard, like McLuhan, often makes essentializing distinctions between media like television or film, ascribing a particular essence to one, and an opposed essence to the other. Yet it seems highly problematical to reduce apparatuses as complex, contradictory, and many-sided as television (or film or any mass medium) to its formal properties and effects, or to a technological essence. It is therefore preferable, for theories of media in the capitalist societies, to see the media as syntheses of technology and capital, as technologies which serve specific interests and which have specific political and economic effects (rather than merely technological ones). It is also preferable to see the dialectic between media and society in specific historical conjunctures, to see how social content, trends, and imperatives help constitute the media which in turn influence social developments and help constitute social reality. For Baudrillard, by contrast, the media today simply constitute a simulated, hyperreal, and obscene (in his technical sense) world(view), and a dialectic of media and society is shortcircuited in a new version of technological determinism. The political implications of this analysis are that constituting alternative media, or alternative uses or forms of existing media, is useless or worse because media in their very essence for him militate against emancipatory politics or any project of social transformation. Such cynical views, however, primarily benefit conservative interests who presently control the media in their own interests -- a point to which I shall soon return.

### Part 5 is Preempts

#### Impact Framing – Revolutionary Suicide is the risk we must take to abolish Racial Capitalism – there is no damnation worse than the current system.

Pinkard 13 [2013, Lynice Pinkard, “Revolutionary Suicide: Risking Everything to Transform Society and Live Fully”, Tikkun 2013 Volume 28, Number 4: 31-41, http://tikkun.dukejournals.org/content/28/4/31.full]

I’d like to present an alternative to conventional identity politics, one that requires that we understand the way that capitalism itself has grown out of a very particular kind of identity politics — white supremacy — aimed at securing “special benefits” for one group of people. It is not sufficient to speak only of identities of race, class, and gender. I believe we must also speak of identities in relation to domination. To what extent does any one of us identify with the forces of domination and participate in relations that reinforce that domination and the exploitation that goes with it? In what ways and to what extent are we wedded to our own upward mobility, financial security, good reputation, and ability to “win friends and influence people” in positions of power? Or conversely, do we identify (not wish to identify or pretend to identify but actually identify by putting our lives on the line) with efforts to reverse patterns of domination, empower people on the margins (even when we are not on the margins ourselves), and seek healthy, sustainable relations? When we consider our identities in relation to domination, we realize the manifold ways in which we have structured our lives and desires in support of the very economic and social system that is dominating us. To shake free of this cycle, we need to embrace a radical break from business as usual. We need to commit revolutionary suicide. By this I mean not the killing of our bodies but the destruction of our attachments to security, status, wealth, and power. These attachments prevent us from becoming spiritually and politically alive. They prevent us from changing the violent structure of the society in which we live. Revolutionary suicide means living out our commitments, even when that means risking death. When Huey Percy Newton, the cofounder of the Black Panther Party, called us to “revolutionary suicide,” it appears that he was making the same appeal as Jesus of Nazareth, who admonished, “Those who seek to save their lives will lose them, and those who lose their lives for the sake of [the planet] will save them.” Essentially, both movement founders are saying the same thing. Salvation is not an individual matter. It entails saving, delivering, rescuing an entire civilization. This cannot be just another day at the bargain counter. The salvation of an entire planet requires a total risk of everything — of you, of me, of unyielding people everywhere, for all time. This is what revolutionary suicide is. The cost of revolutionary change is people’s willingness to pay with their own lives. This is what Rachel Corrie knew when she, determined to prevent a Palestinian home in Rafah from being demolished, refused to move and was killed by an Israeli army bulldozer in the Gaza Strip. This is what Daniel Ellsberg knew when he made public the Pentagon Papers. It’s what Oscar Schindler knew when he rescued over 1,100 Jews from Nazi concentration camps, what subversive Hutus knew when they risked their lives to rescue Tutsis in the Rwandan genocide. This call may sound extreme at first, but an unflinching look at the structure of our society reveals why nothing less is enough. Before returning to the question of revolutionary suicide and what it might mean in each of our lives, let’s look at what we’re up against.

#### Process Counterplan Framing – debates over institutional minutia siphon energy away from social transformation – distinctions in central tenants and epistemology should come first

**Bhattacharyya 13**, Race and Ethnicity Prof at Aston University (Gargi, How can we live with ourselves? Universities and the attempt to reconcile learning and doing, Ethnic and Racial Studies, Vol. 36, No. 9, 1411-1428)

In Britain also there has been a move away from radical imagination in the politics of race, towards either highly institutionalized activity designed to measure and correct differential outcomes, or to ethnic particularity that challenges racism faced by a particular group but rarely links this activity to other struggles or a vision of an alternative society. However necessary these forms of organization may be because institutional outcomes continue to harden inequality between groups and mobilization needs to take place where people are, building on the affiliations that make sense to them the loss of a larger vision and set of aspirations diminishes what anti-racist politics can be. Kelly (2002, p. xii) goes on to specify the loss that arises from too exclusive a focus on matters of institutional detail or immediate politicking: Without new visions we don’t know what to build, only what to knock down. We not only end up confused, rudderless, and cynical, but we forget that making a revolution is not a series of clever maneuvers and tactics but a process that can and must transform us. This new revolutionary subject is unlikely to emerge from the mundane techniques of management that have come to typify ‘useful’ research in the field of racism. In response to the formulation of recent research funding in the UK, research in the field of race and racism that connects with ‘users’ has tended towards the technical. Much of this is shaped by the demand that research demonstrate its own ‘impact’, that is, shows its usefulness to an audience beyond academia, often before any findings are made and in order for time and money to be allocated.6 For the field of race and ethnic studies, this demand brings a model of knowledge as technique often management technique. Whether racism is seen to arise from communicational barriers between groups or from flawed institutional practices, the solution is presented as alternative practices do this and others will adapt their behaviour in these ways. If this were the extent of the imaginative failure, things would not be too bad. After all, universities rarely include the most exciting of ideas until the excitement can be rewritten as tradition. Sometimes banishment from the academy can help to get a different and more energetic audience for ideas that aspire to change our world. However, the politics of race seems to be institutionalized in an even more tightly confined logic in the spaces outside the academy. There may be a widespread recognition that racism demands an institutional response, but this is ripped away from any larger political narrative altogether. As a result, the attempts by scholars to address a public also tend to be limited by the narrow demands of such technical or legalistic approaches to what anti-racism can and should be. There is a dilemma here. For scholars who wish to connect with so called practitioners and who, perhaps, consider this world of equalities practice as their ‘public’ research is likely to become focused around these questions of technical organization. Of course, many of us still seek to document and explore the complexity of racism and its impact in the world but the focus for this endeavour becomes segmented by institutional focus and, often, a rush to make ‘recommendations’. Access to research funding in Britain, increasingly the only route to creating space for scholarly work, demands that research delivers this ‘impact’ of immediate and usable advice. At the same time, the ‘public’ of practitioners a group here that is overwhelmingly concentrated in organizations tasked with delivering services to diverse populations, whether through statutory services or the third sector appear to understand the role of the intellectual only as this kind of technical adviser.7 Useful research becomes only this research that can enable alternative and potentially more effective operation of bureaucratic practices of one kind or another. This framing of anti-racist research transforms the kind of politics that can be imagined for this intellectual endeavour. This is anti-racism as a matter of organizational adaptation, not any wider social transformation. Perhaps some believe that transformation occurs through the collective impact of these many small organizational changes that has certainly been the unspoken implication of anti- racist work since the Lawrence Enquiry but, whatever the benefits of improved institutional practices, if these in fact have been achieved, this approach abandons any sense of political movement. We may be producing work that connects with a public, but the aspirations of both scholars and public seem less than they were.

#### Governance is good and inevitable.

Renaux 19 [Valarie, 5/29/19, Philosophy. Writing on Marxism, eliminativism in philosophy of mind and metaethics, suffering(-focused ethics), and philosophical pessimism, “Marxism and the State”, <https://medium.com/@valarierenaux/marxism-and-the-state-eeb6ceca4515> //GBS Majeed & Jacobs]

Here, perhaps, is a manifestation of one of the foundational flaws in anarchist theory: its veneration of human nature (as it understands it, at least). Bakunin claims that “human nature” makes corruption and counterrevolutionary, anti-proletarian actions inevitable once a section of the working class seizes power. Why does he say this? What proof does he have? In a word, none. ‘Human nature’ as it is predominantly understood is nothing more than our proclivity towards certain actions within specific material contexts, which are subject to change — and thus so are the proclivities. Even if it could be established that capitalist society generates some kind of fundamental proclivity among the working class and even humanity as a whole to act out of greed, selfishness and short-termism (which is practically speaking impossible to prove anyway), it does not follow that this is inherent and unavoidable in the human animal itself as some kind of abstract template for our actions. By elevating the human creature itself to the level of pseudoreligious ideology, anarchism practises exactly the same form of ideologising that the bourgeoisie and the feudal and even patrician classes before them have long done. Marxism rightfully does not concern itself with such sophistry, with such meaningless protestations against placing power in the hands of the working class and its party. “During its lifetime the working class state will continually evolve up to the point that it finally withers away: the nature of social organisation, of human association, will radically change according to the development of technology and the forces of production, and man’s nature will be equally subject to deep alterations always moving away more and more from the beast of burden and slave which he was.”²⁴ This links closely with the final problem with Bakunin and the anarchists’ position on the state that we shall address here. Bakunin describes his fictitious once-proletarians as “look[ing] down” on the workers from the “governing heights of the State.” What does this mean? It means, in one clear sense, that Bakunin sees the state as something distinct from society, something separate from and alien to it, something parasitical and detached from the productive elements of society. But never has or will the state be something “imposed on society from without,”²⁵ something that stands above class distinctions, or gendered divisions in labour, or religious and secular ideology alike, or indeed anything else. The state is not separate from society; it is society, it is the inevitable and necessary product of a society as it exists at certain stages of historical-economic development, and without it, the society would be reduced to utter barbarism, open, ubiquitous kinetic violence, a marked decline in living standards for all, both relative and actual, a severe degradation in the quality of goods, and so on. In a word, you would have social and even civilisational collapse. This is because ‘society’ is not one harmonious thing; rather, it is the aggregate of all human social and economic relations, and these humans and their socioeconomic situations are anything but uniform. Without the state, with its monopoly on violence and its often dominant role in the cultural narrative, these contradictions — irreconcilable contradictions — would be acted out through direct, physical struggle. There are but two outcomes to such a thing: either a state will be formed anew, but only after an extended period of acute crisis dealing devastating damage to all, and so the destruction of the state (and more precisely the failure to build a new state to replace it) was not only pointless but entirely undesirable to the society, or, worse still, the construction of a new state, for whatever reason, fails, and the population collapses into a regressed state of primitive-communism. History would have been reset. There does not exist some dichotomy of society and state, only the existence of a society with a state, and if a society has a state, it needs a state, and simply seeking its destruction is entirely misguided and naïve, springing from a fundamental misconstruing of what the state is, what society is, and what one’s own material interests are. In a word, it is idealism — it is utopianism. It should be evident from the rest of this essay that the state is not something that can be simply dismantled and destroyed by force and violence; it can only “wither away” when the material conditions are right. To attempt to act outside of history as anarchism does is dangerous to all, never mind arrogant and individualist. It is a position in absolute opposition to the interests of the workers. General remarks on the nature of class dictatorship Mao Zedong famously taught that “[p]olitical power grows out of the barrel of a gun.”²⁶ Truly there is no more succinct and accurate description of politics — which is, at its core, the systematised control and regulation of violence — than this. Anything that suggests otherwise is an obfuscation; such obfuscations serve an agenda, and all but always one of the ruling class. The class destined to vanquish class society itself has no need of the propaganda and sophistry of traditional class rule; we can, and should, state in no uncertain terms that the only rational expression of our political interests is a class dictatorship won and maintained by force of arms for the exclusive benefit of our economic class at the expense of all others. The proletarian state represents, for the first time in history, the material and thus socio-political interests of the vast majority of the people. From this simple fact an equally simple conclusion can be drawn: namely, that both when the working class is barred from power and when it holds it, it is only benefited by a frank and open understanding of the thoroughly class- and violence-based nature of state power. In the former situation, the proletarian is aware that society is organised upon his exploitation and that he has no material interest whatsoever in the preservation of the status quo, while in the latter, he sees that he should not be afraid of ‘tyranny,’ that the bourgeoisie are justly and necessarily without power and rights, and that should they be granted them, they will use them to undermine and overthrow the régime and institute terror of a previously unprecedented scale and harshness. In short, the stripping away of the pretensions and illusions of the state represent, and reinforce, heightened class consciousness. In terms of our interests, power is best manifested naked, and as proletarians, we have, unequivocally, a side on which to fall in the class struggle. As such, our political goals must include as a matter of necessity the seizure of state power. The lessons of the Paris Commune and of all revolutionary ventures throughout history is that the revolution that does not seize state power is thwarted. Never, in all human history, has this truth been countered. What’s more, the nature of the dictatorship of the proletariat is that it is exactly that: a dictatorship. All true communists know this to be so, and do not fear, but relish the opportunities that lie in controlling the state. The state is a tool — a weapon, and no weapon has morals in and of itself. Only when the sword is taken up and brandished in anger does it become an instrument of war and not simply a sliver of metal. The state is much the same. The anarchic view of the state is one of an enemy of ‘the people,’ one that is inherently undesirable and wretched, whoever straddles it. Marxism is not so naïve, not so utopian: the state serves her masters, and serves them well; when the working class reigns, the state delivers its Terror upon the counterrevolution and with it the socialist society can progress, in time, to a communist one. Without it, the working class movement is simply destroyed the instance the bourgeois reaction can organise itself anew. Marxism is scientific socialism; it is not utopianism. It would be false and misleading to claim that Marxism has ends; rather, it merely has analyses and observations. In their scientific study of the march of history and the intricacies of the capitalistic mode of production, the Marxists have discovered and laid out the series of progressions and laws that, hopefully, this essay has allowed the reader to understand, if only in brief: that “the history of all hitherto existing society is the history of class struggle,”²⁷ that the working class must smash the existing bourgeois state, that the working class must create its own state to serve its own needs, and that this state must inevitably be the last stage of the state in all history. Marxism does not talk of that which is impossible; only that which is possible. The triumphs of the working class movement during the twentieth century prove this to be so, but much that was won has since been lost. As the Great Acceleration of the Anthropocene deepens, the need to place power in the hands of the workers intensifies with every passing week towards a singularly apocalyptic zenith. In the past, Marxists have rightly given the slogan socialism or barbarism?, but today, that is no longer sufficient: today, it it must be socialism or extinction? In matters of war and revolution, liberalism’s façades are quick to fall from the eyes of the class conscious worker. The premier and central issue of working class politics must be the conquest of state power. Only then can we change the world.