# 1

#### I advocate for the entirety of the 1ac except that member states of the World Trade Organization should reduce intellectual property protections for medicines.

1. They said x,yz, in cx – cx is binding
2. All their args indicate that the 1ac in totallity is a speech act, which is valid

#### Pharmaceutical innovation is accelerating now – new medicines are substantially better than existing treatments.

Wills, MBA, and Lipkus, PhD, 20 – Todd J. Wills [Managing Director @ Chemical Abstracts Service, MBA from THE Ohio State University] and Alan H. Lipkus [Senior Data Analyst @ Chemical Abstracts Service, PhD Physical Chemistry from the University of Rochester], “Structural Approach to Assessing the Innovativeness of New Drugs Finds Accelerating Rate of Innovation,” ACS Medicinal Chemistry Letters, Vol. 11, 2020, <https://pubs.acs.org/doi/pdf/10.1021/acsmedchemlett.0c00319> C.VC

Despite recent concerns over an innovation crisis, this analysis shows pharmaceutical innovation has actually increased over the last several decades based on the structural novelty of approved NMEs. The higher proportion of Pioneers over the most recent decade is a sign that innovation within the industry is accelerating rather than slowing. It is also an encouraging sign for the state of innovation in drug discovery that these Pioneers are significantly more likely to be the source of promising new therapies that are expected to provide substantial clinical advantages over existing treatments. Drug hunters are discovering Pioneers in newer and less explored regions of chemical space as they are increasingly found on scaffolds first reported in the CAS REGISTRY five or less years prior to their IND year or on scaffolds populated with 50 or less other compounds at the time of IND.

As scale becomes less of a strategic advantage, Big Pharma’s share of Pioneers has decreased even though the number of Big Pharma originated Pioneers has increased. This has created a structural innovation gap between Big Pharma and the Rest of Ecosystem which has widened over the last two decades as the Rest of Ecosystem is now responsible for originating almost 3 out of every 4 Pioneers. Pioneers originated by the Rest of Ecosystem are increasingly on new scaffolds, while a majority of Big Pharma originated Pioneers have historically been on new scaffolds.

The work presented here was intended as a study of drug innovation at a macro level. As a result, it included substances of various sizes with different degrees of complexity belonging to a range of functional and drug classes. Even though it was outside the scope of the present work to study specific subsets, such focused studies could yield additional insights into how innovation at a more micro level has changed over time. Other interesting subsets of our data set are the shapes and scaffolds of the Settlers and Colonists. Many of these shapes and scaffolds are privileged in the sense that they are seemingly capable of serving as ligands for a diverse array of target proteins. A separate study of the Settlers and Colonists as well as their side chains could provide insights into possible target-specific innovation trends.

As it often takes more than 10 years after initial discovery for an experimental drug to gain FDA approval, any measure of drug innovation that relies on the time of approval incorporates a significant time lag between initial discovery and ultimate approval. However, characterizing drug innovation based on structural novelty provides a means to assess the forward-looking innovation potential of an experimental drug at the time of initial discovery by comparing its framework information (at the scaffold and shape level) with prior FDA-approved drugs. Therefore, a separate study of drug candidates with publically disclosed structures currently in clinical development could provide additional insights into innovation trends at an FDA regulatory review level and serve as a leading indicator of innovation trends at an FDA approval level.

Given the tremendous opportunity represented by the vast amount of chemical space yet to be explored, drug-hunters of all types will continue pushing the boundaries to find promising new therapies in previously unexplored areas of chemical space. The race to discover these new drugs will be fueled by further advancements in screening approaches and in-silico methods (including innovations related to machine learning algorithms and molecular representations). However, comprehensive data on known shapes and scaffolds can fast track the identification of meaningful open areas of chemical space (shapes or scaffolds that are potentially important but have never been used as the basis for a molecule) to further explore.

#### The biopharmaceutical industry is uniquely reliant on IP protections – undermining them would kill innovation by making an already expensive process completely unfeasible.

Kristina M. Lybecker, PhD, 17 [PhD Economics, Associate Professor of Economics @ Colorado College], “Intellectual Property Rights Protection and the Biopharmaceutical Industry: How Canada Measures Up,” Fraser Institute, January 2017, <https://www.fraserinstitute.org/sites/default/files/intellectual-property-rights-protection-and-the%20biopharmaceutical-industry.pdf> C.VC

The unique structure of the innovative biopharmaceutical industry necessitates a variety of intellectual property protection mechanisms. In particular, the industry is characterized by a research and development (R&D) process that is lengthy, expensive, uncertain, and risky. According to DiMasi and colleagues, the estimated cost of developing a new medicine is US$2.6 billion (DiMasi, Grabowski, and Hansen, 2016).2 In addition, the time required to develop a new drug is also significant, averaging 10 to 15 years without any guarantee of success (PhRMA, n.d.). While these figures are highly controversial, biopharmaceutical innovation is unquestionably an expensive and lengthy undertaking.3 For the biopharmaceutical industry, innovation and its protection are essential and the source of both profits and growth. As such, patent protection is disproportionally more important for ensuring that the innovator appropriates the returns to R&D for the biopharmaceutical industry than virtually any other. Extending the findings of the 1987 “Yale Survey” (Levin, Klevorick, Nelson, and Winter, 1987), the “Carnegie Mellon Survey” established that while patents are again considered “unambiguously the least effective appropriability mechanisms,” the drug industry and other scholars regard them as strictly more effective than alternative mechanisms (Cohen, Nelson, and Walsh, 1996). The industry’s disproportionate reliance on patents and other forms of intellectual property protection is confirmed in numerous other studies.4

In essence, IPR protections provide innovative biopharmaceutical firms with an assurance of some return on their investment, thus creating incentives for the development of new technologies that could otherwise be easily replicated and sold by competitors. Due to the tremendous fixed costs required to develop new treatments and cures, a significant potential exists for free riding by follower firms, a market failure that would prevent investment in innovation were it not for the patents and other forms of intellectual property protections that provide a limited period of market exclusivity or other such incentives. Fundamentally, patents amount to an efficiency tradeoff. Society provides innovators with a limited period of market exclusivity to encourage innovation in exchange for public access to this knowledge. In exchange for the temporary static loss from market exclusivity, society gains complete knowledge of the innovation through disclosure, a permanent dynamic gain. Through this tradeoff, the existing patent system corrects the market failure that would stymie innovation. In its Apotex Inc. v. Wellcome Foundation Ltd. finding, Justice Binnie wrote for the Supreme Court of Canada, “A patent, as has been said many times, is not intended as an accolade or civic award for ingenuity. It is a method by which inventive solutions to practical problems are coaxed into the public domain by the promise of a limited monopoly for a limited time. Disclosure is the quid pro quo for valuable proprietary rights to exclusivity which are entirely the statutory creature of the Patent Act” (para. 37).

The biopharmaceutical industry is characterized by a number of legal and economic issues that distinguish it from other research-intensive industries. Danzon (1999) describes three features that are particularly noteworthy. First, given that the biopharmaceutical industry is characterized by an unusually high rate of R&D, intellectual property protection provides for the potential for significant market power and monopoly pricing that raises numerous public health policy questions surrounding prices and profits. Second, virtually every aspect of the industry is heavily regulated, from safety and efficacy to promotion and advertising, to pricing and reimbursement. Danzon describes the impact of these regulations as “profound and multidimensional even within a single country, affecting consumption patterns, productivity, R&D and hence the supply of future technologies” (Danzon, 1999: 1056). Lastly, while research and development costs are borne solely by the innovator, the resulting product is a global public good. “Each country faces an incentive to adopt the regulatory policies that best control its pharmaceutical budget in the short run, free-riding on others to pay for the joint costs of R&D and ignoring cross-national spillovers of national regulatory policies through parallel trade and international price comparisons” (Danzon, 1999: 1056). The combination of these characteristics defines a set of unique economic and legal challenges for the innovation of new drugs and the public health policies that surround their production, marketing, and distribution.

Innovative companies make far greater investments in time, resources, and financial support than do generic firms. Notably, innovation-based companies spend more than 200 times that which generic companies spend on the development of a particular drug (CIPC, 2011: 10). In addition, the investment of time, from laboratory to market, is also close to double for innovative companies relative to generic producers. Table 1 highlights the differences in the drug development processes of innovative and generic companies. For innovative biopharmaceutical companies, the development process is expensive, risky, and time consuming, all of which points to the need for strong IP protection to encourage investment and ensure companies are able to recover their investments.

The risk involved in biopharmaceutical development is starkly illustrated in a recent report by Biotechnology Innovation Organization (BIO), which reports that less than one of every 10 drugs that enter clinical trials is ultimately approved by the Food and Drug Administration in the United States. The report finds a success rate of merely 9.6%, a calculation that is significantly smaller than the widely-cited 11.8% figure from a 2014 study by the Tufts University’s Center for the Study of Drug Development.5 The International Federation of Pharmaceutical Manufacturers and Associations (2012) estimates that more than 3,200 compounds were at different stages of development globally in 2011, but only 35 new medicines were launched (Dawson, 2015).

Fundamentally, research-based biopharmaceutical companies incur greater expenses and risk in the development of their products than do generic manufactures. These investments of time and financial resources should be recognized and the effective patent life should be sufficient to recoup these investments. Continued investment and innovation are contingent upon strong, effective intellectual property protection and the ability of innovative firms to recoup their investments. Patents and other forms of intellectual property protection are disproportionally important to the research-based biopharmaceutical industry. Consequently, the legal architecture necessary to foster a robust innovation-based industry is multifaceted and is a powerful force shaping the biopharmaceutical industry, its profitability, productivity, and innovative future.

**Pharmaceutical innovation is key to protecting against future pandemics, bioterrorism, and antibiotic resistance.**

**Marjanovic and Fejiao ‘20** Marjanovic, Sonja, and Carolina Feijao. Sonja Marjanovic, Ph.D., Judge Business School, University of Cambridge. Carolina Feijao, Ph.D. in biochemistry, University of Cambridge; M.Sc. in quantitive biology, Imperial College London; B.Sc. in biology, University of Lisbon. "Pharmaceutical Innovation for Infectious Disease Management: From Troubleshooting to Sustainable Models of Engagement." (2020). [Quality Control]

As key actors in the healthcare innovation landscape, pharmaceutical and life sci-ences companies have been called on to develop medicines, vaccines and diagnostics for pressing public health challenges. The COVID-19 crisis is one such challenge, but there are many others. For example, MERS, SARS, Ebola, Zika and avian and swine flu are also infectious diseases that represent public health threats. Infectious agents such as anthrax, smallpox and tularemia could present threats in a **bioterrorism con-text**.1 The general threat to public health that is posed by **antimicrobial resistance** is also **well-recognised** as an area **in need of pharmaceutical innovation**. Innovating in response to these challenges does not always align well with pharmaceutical industry commercial models, shareholder expectations and compe-tition within the industry. However, the expertise, networks and infrastructure that industry has within its reach, as well as public expectations and the moral imperative, make pharmaceutical companies and the wider life sciences sector an **indispensable** partner in the search for solutions that save lives. This perspective argues for the need to establish more sustainable and scalable ways of incentivising pharmaceu-tical innovation in response to infectious disease threats to public health. It considers both past and current examples of efforts to mobilise pharmaceutical innovation in high commercial risk areas, including in the context of current efforts to respond to the COVID-19 pandemic. In global pandemic crises like COVID-19, the urgency and scale of the crisis – as well as the spotlight placed on pharmaceutical companies – mean that contributing to the search for effective medicines, vaccines or diagnostics is **essential** for socially responsible companies in the sec-tor.2 It is therefore unsurprising that we are seeing indus-try-wide efforts unfold at unprecedented scale and pace. Whereas there is always scope for more activity, industry is currently contributing in a variety of ways. Examples include pharmaceutical companies donating existing com-pounds to assess their utility in the fight against COVID-19; screening existing compound libraries in-house or with partners to see if they can be repurposed; accelerating tri-als for potentially effective medicine or vaccine candidates; and in some cases rapidly accelerating in-house research and development to discover new treatments or vaccine agents and develop diagnostics tests.3,4 Pharmaceutical companies are collaborating with each other in some of these efforts and participating in global R&D partnerships (such as the Innovative Medicines Initiative effort to accel-erate the development of potential therapies for COVID-19) and supporting national efforts to expand diagnosis and testing capacity and ensure affordable and ready access to potential solutions.3,5,6 The primary purpose of such innovation is to **benefit patients** and wider **population health**. Although there are also reputational benefits from involvement that can be realised across the industry, there are likely to be rela-tively few companies that are ‘commercial’ winners. Those who might gain substantial revenues will be under pres-sure not to be seen as profiting from the pandemic. In the United Kingdom for example, GSK has stated that it does not expect to profit from its COVID-19 related activities and that any gains will be invested in supporting research and long-term pandemic preparedness, as well as in developing products that would be affordable in the world’s poorest countries.7 Similarly, in the United States AbbVie has waived intellectual property rights for an existing com-bination product that is being tested for therapeutic poten-tial against COVID-19, which would support affordability and allow for a supply of generics.8,9 Johnson & Johnson has stated that its potential vaccine – which is expected to begin trials – will be available on a not-for-profit basis during the pandemic.10 Pharma is mobilising substantial efforts to rise to the COVID-19 challenge at hand. However, we need to consider how pharmaceutical innovation for responding to emerging infectious diseases can best be enabled beyond the current crisis. Many public health threats (including those associated with other **infectious diseases**, **bioterror-ism** agents **and antimicrobial resistance**) are **urgently in need of pharmaceutical innovation**, **even if their impacts are not as visible** to society **as COVID**-19 is in the imme-diate term. The pharmaceutical industry has responded to previous public health emergencies associated with infec-tious disease in recent times – for example those associated with Ebola and Zika outbreaks.11 However, it has done so to a lesser scale than for COVID-19 and with contribu-tions from fewer companies. Similarly, levels of activity in response to the threat of antimicrobial resistance are still **low**.12 There are important policy questions as to whether – and how – industry could engage with such public health threats to an even greater extent under improved innova-tion conditions.

#### Bioterrorism and future pandemics cause extinction.

Hamish De Bretton-Gordon, CBRN Expert @ British Army, 20 [Director @ DBG Defense, Consultant on CBRN and Biosecurity], “Biosecurity in the Wake of COVID-19: The Urgent Action Needed,” Combatting Terrorism Center Sentinel, November/December 2020, Volume 13, Issue 11, <https://ctc.usma.edu/biosecurity-in-the-wake-of-covid-19-the-urgent-action-needed/> C.VC

Policymakers around the world did not grasp just how large the impact of a bio threat could be. Beyond the enormous human and economic impact, the current pandemic has exposed the weakness, lack of preparedness, and poor responsiveness of healthcare systems of even highly developed countries like the United States and the United Kingdom. And the virus has inflicted carnage, even though SARS-CoV-2 (the virus that causes COVID-19) is not especially virulent. The world may be confronted with other viruses in the future whose combination of virulence (the harm a pathogen does to its host), transmissibility, and other characteristics pose much greater danger.

While overwhelming evidence points to SARS-CoV-2 spontaneously spreading to humans, the advances in synthetic biology and the growth in the number of Level 3 and 4 biocontainment facilities around the world storing deadly viruses1 mean there is also the very real possibility that in the future, bad actors will try to engineer or steal/obtain a highly transmissible and highly virulent virus and unleash it onto the world. Another risk is accidental releases from such biocontainment facilities.

COVID-19, a highly transmissible but not very virulent pathogen, has had a devastating global impact, a fact that will not have gone unnoticed by rogue states and terror organizations. Advances in synthetic biology have created tools that could be put to malevolent use. In the last two decades, scientists synthesized the poliovirus from its genetic sequence,2 recreated the 1918 Spanish flu virus,3 and succeeded in modifying the H5N1 avian flu virus so that it resulted (in a research laboratory) in airborne transmission among mammals.4 In the future, we should think of weaponized biology as no less of an existential threat to the planet than weaponized atomic science. It should also be noted that the fear and panic that even a medium-scale bioterror attack could create could have dangerous implications that may rival or even surpass the immediate loss of life.

The Need to Rethink Likelihood

Given the fact that in late 2019 when, as far as is known, COVID-19 cases first started emerging in China, it had been more than a century since the previous catastrophic outbreak (the 1918-1919 “Spanish flu” pandemic),d it was unsurprising that many thought of such pandemics as a one-in-a-100-year event. Such assumptions should no longer hold. The encroachment of human settlements into areas that had previously been sanctuaries for wildlife5 and the popularity in some parts of the world of markets where people and wild animals are brought into proximity have made it more likely viruses will make the species leap to human beings.e And when they do, as the COVID-19 pandemic illustrated, the interconnectedness of a world in which millions of people fly each day6 means they can spread very rapidly.

There is also growing concern about engineered viruses. Not only have advances in synthetic biology (SynBio) created growing capacity for extremely dangerous viruses to be engineered in a laboratory, but the number of people with access to potentially dangerous ‘dual use’ technology has greatly expanded and continues to expand, making malevolent use of such technology ever more likely.

In the August 2020 issue of this publication, scientists at the U.S. Military Academy at West Point warned that:

The wide availability of the protocols, procedures, and techniques necessary to produce and modify living organisms combined with an exponential increase in the availability of genetic data is leading to a revolution in science affecting the threat landscape that can be rivaled only by the development of the atomic bomb. As the technology improves, the level of education and skills necessary to engineer biological agents decreases. Whereas only state actors historically had the resources to develop and employ biological weapons, SynBio is changing the threat paradigm.

The cost threshold of engineering viruses is also lowering, with the West Point scientists warning that synthetic biology has “placed the ability to recreate some of the deadliest infectious diseases known well within the grasp of the state-sponsored terrorist and the talented non-state actor.”7

As already noted, another source of vulnerability is that deadly viruses could be stolen from or escape from a research laboratory. There are now around 50 Biosafety Level 4f facilities around the world, where the deadliest pathogens are stored and worked on, and this figure is set to increase in the next few years.g This is a large increase over the last 30 years, creating bigger risk of a breach. Of equal, if not greater concern are the thousands of Biosafety Level 3 labs globally,8 which handle deadly pathogens like COVID-19.9

Given what has been outlined above, the risk of a future destructive biological attack or another devastating global pandemic should no longer be seen as low. From this point forward, there should no higher priority for the international community than biosecurity.

# 2

#### The ROB is to vote for the side that produces the best material consequences

#### Extinction o/ws under any framework, even under moral uncertainty – infinite future generations

Pummer 15 — (Theron Pummer, Junior Research Fellow in Philosophy at St. Anne's College, University of Oxford, “Moral Agreement on Saving the World“, Practical Ethics University of Oxford, 5-18-2015, Available Online at http://blog.practicalethics.ox.ac.uk/2015/05/moral-agreement-on-saving-the-world/, accessed 7-2-2018, HKR-AM) \*\*we do not endorse ableist language=

There appears to be lot of disagreement in moral philosophy. Whether these many apparent disagreements are deep and irresolvable, I believe there is at least one thing it is reasonable to agree on right now, whatever general moral view we adopt: that it is very important to reduce the risk that all intelligent beings on this planet are eliminated by an enormous catastrophe, such as a nuclear war. How we might in fact try to reduce such existential risks is discussed elsewhere. My claim here is only that we – whether we’re consequentialists, deontologists, or virtue ethicists – should all agree that we should try to save the world. According to consequentialism, we should maximize the good, where this is taken to be the goodness, from an impartial perspective, of outcomes. Clearly one thing that makes an outcome good is that the people in it are doing well. There is little disagreement here. If the happiness or well-being of possible future people is just as important as that of people who already exist, and if they would have good lives, it is not hard to see how reducing existential risk is easily the most important thing in the whole world. This is for the familiar reason that there are so many people who could exist in the future – there are trillions upon trillions… upon trillions. There are so many possible future people that reducing existential risk is arguably the most important thing in the world, even if the well-being of these possible people were given only 0.001% as much weight as that of existing people. Even on a wholly person-affecting view – according to which there’s nothing (apart from effects on existing people) to be said in favor of creating happy people – the case for reducing existential risk is very strong. As noted in this seminal paper, this case is strengthened by the fact that there’s a good chance that many existing people will, with the aid of life-extension technology, live very long and very high quality lives. You might think what I have just argued applies to consequentialists only. There is a tendency to assume that, if an argument appeals to consequentialist considerations (the goodness of outcomes), it is irrelevant to non-consequentialists. But that is a huge mistake. Non-consequentialism is the view that there’s more that determines rightness than the goodness of consequences or outcomes; it is not the view that the latter don’t matter. Even John Rawls wrote, “All ethical doctrines worth our attention take consequences into account in judging rightness. One which did not would simply be irrational, crazy.” Minimally plausible versions of deontology and virtue ethics must be concerned in part with promoting the good, from an impartial point of view. They’d thus imply very strong reasons to reduce existential risk, at least when this doesn’t significantly involve doing harm to others or damaging one’s character. What’s even more surprising, perhaps, is that even if our own good (or that of those near and dear to us) has much greater weight than goodness from the impartial “point of view of the universe,” indeed even if the latter is entirely morally irrelevant, we may nonetheless have very strong reasons to reduce existential risk. Even egoism, the view that each agent should maximize her own good, might imply strong reasons to reduce existential risk. It will depend, among other things, on what one’s own good consists in. If well-being consisted in pleasure only, it is somewhat harder to argue that egoism would imply strong reasons to reduce existential risk – perhaps we could argue that one would maximize her expected hedonic well-being by funding life extension technology or by having herself cryogenically frozen at the time of her bodily death as well as giving money to reduce existential risk (so that there is a world for her to live in!). I am not sure, however, how strong the reasons to do this would be. But views which imply that, if I don’t care about other people, I have no or very little reason to help them are not even minimally plausible views (in addition to hedonistic egoism, I here have in mind views that imply that one has no reason to perform an act unless one actually desires to do that act). To be minimally plausible, egoism will need to be paired with a more sophisticated account of well-being. To see this, it is enough to consider, as Plato did, the possibility of a ring of invisibility – suppose that, while wearing it, Ayn could derive some pleasure by helping the poor, but instead could derive just a bit more by severely harming them. Hedonistic egoism would absurdly imply she should do the latter. To avoid this implication, egoists would need to build something like the meaningfulness of a life into well-being, in some robust way, where this would to a significant extent be a function of other-regarding concerns (see chapter 12 of this classic intro to ethics). But once these elements are included, we can (roughly, as above) argue that this sort of egoism will imply strong reasons to reduce existential risk. Add to all of this Samuel Scheffler’s recent intriguing arguments (quick podcast version available here) that most of what makes our lives go well would be undermined if there were no future generations of intelligent persons. On his view, my life would contain vastly less well-being if (say) a year after my death the world came to an end. So obviously if Scheffler were right I’d have very strong reason to reduce existential risk. We should also take into account moral uncertainty. What is it reasonable for one to do, when one is uncertain not (only) about the empirical facts, but also about the moral facts? I’ve just argued that there’s agreement among minimally plausible ethical views that we have strong reason to reduce existential risk – not only consequentialists, but also deontologists, virtue ethicists, and sophisticated egoists should agree. But even those (hedonistic egoists) who disagree should have a significant level of confidence that they are mistaken, and that one of the above views is correct. Even if they were 90% sure that their view is the correct one (and 10% sure that one of these other ones is correct), they would have pretty strong reason, from the standpoint of moral uncertainty, to reduce existential risk. Perhaps most disturbingly still, even if we are only 1% sure that the well-being of possible future people matters, it is at least arguable that, from the standpoint of moral uncertainty, reducing existential risk is the most important thing in the world. Again, this is largely for the reason that there are so many people who could exist in the future – there are trillions upon trillions… upon trillions. (For more on this and other related issues, see this excellent dissertation). Of course, it is uncertain whether these untold trillions would, in general, have good lives. It’s possible they’ll be miserable. It is enough for my claim that there is moral agreement in the relevant sense if, at least given certain empirical claims about what future lives would most likely be like, all minimally plausible moral views would converge on the conclusion that we should try to save the world. While there are some non-crazy views that place significantly greater moral weight on avoiding suffering than on promoting happiness, for reasons others have offered (and for independent reasons I won’t get into here unless requested to), they nonetheless seem to be fairly implausible views. And even if things did not go well for our ancestors, I am optimistic that they will overall go fantastically well for our descendants, if we allow them to. I suspect that most of us alive today – at least those of us not suffering from extreme illness or poverty – have lives that are well worth living, and that things will continue to improve. Derek Parfit, whose work has emphasized future generations as well as agreement in ethics, described our situation clearly and accurately: “We live during the hinge of history. Given the scientific and technological discoveries of the last two centuries, the world has never changed as fast. We shall soon have even greater powers to transform, not only our surroundings, but ourselves and our successors. If we act wisely in the next few centuries, humanity will survive its most dangerous and decisive period. Our descendants could, if necessary, go elsewhere, spreading through this galaxy…. Our descendants might, I believe, make the further future very good. But that good future may also depend in part on us. If our selfish recklessness ends human history, we would be acting very wrongly.” (From chapter 36 of On What Matters)

#### 1. Science proves non util ethics are impossible and our version of util solves all aff offense

Greene 10 – Joshua, Associate Professor of Social science in the Department of Psychology at Harvard University

(The Secret Joke of Kant’s Soul published in Moral Psychology: Historical and Contemporary Readings, accessed: www.fed.cuhk.edu.hk/~lchang/material/Evolutionary/Developmental/Greene-KantSoul.pdf)

**What turn-of-the-millennium science** **is telling us is that human moral judgment is not a pristine rational enterprise**, that our **moral judgments are driven by a hodgepodge of emotional dispositions, which themselves were shaped by a hodgepodge of evolutionary forces, both biological and cultural**. **Because of this, it is exceedingly unlikely that there is any rationally coherent normative moral theory that can accommodate our moral intuitions**. Moreover, **anyone who claims to have such a theory**, or even part of one, **almost certainly doesn't**. Instead, what that person probably has is a moral rationalization. It seems then, that we have somehow crossed the infamous "is"-"ought" divide. How did this happen? Didn't Hume (Hume, 1978) and Moore (Moore, 1966) warn us against trying to derive an "ought" from and "is?" How did we go from descriptive scientific theories concerning moral psychology to skepticism about a whole class of normative moral theories? The answer is that we did not, as Hume and Moore anticipated, attempt to derive an "ought" from and "is." That is, our method has been inductive rather than deductive. We have inferred on the basis of the available evidence that the phenomenon of rationalist deontological philosophy is best explained as a rationalization of evolved emotional intuition (Harman, 1977). Missing the Deontological Point I suspect that **rationalist deontologists will remain unmoved by the arguments presented here**. Instead, I suspect, **they** **will insist that I have simply misunderstood what** Kant and like-minded **deontologists are all about**. **Deontology, they will say, isn't about this intuition or that intuition**. It's not defined by its normative differences with consequentialism. **Rather, deontology is about taking humanity seriously**. Above all else, it's about respect for persons. It's about treating others as fellow rational creatures rather than as mere objects, about acting for reasons rational beings can share. And so on (Korsgaard, 1996a; Korsgaard, 1996b). **This is, no doubt, how many deontologists see deontology. But this insider's view**, as I've suggested, **may be misleading**. **The problem**, more specifically, **is that it defines deontology in terms of values that are not distinctively deontological**, though they may appear to be from the inside. **Consider the following analogy with religion. When one asks a religious person to explain the essence of his religion, one often gets an answer like this: "It's about love**, really. It's about looking out for other people, looking beyond oneself. It's about community, being part of something larger than oneself." **This sort of answer accurately captures the phenomenology of many people's religion, but it's nevertheless inadequate for distinguishing religion from other things**. This is because many, if not most, non-religious people aspire to love deeply, look out for other people, avoid self-absorption, have a sense of a community, and be connected to things larger than themselves. In other words, secular humanists and atheists can assent to most of what many religious people think religion is all about. From a secular humanist's point of view, in contrast, what's distinctive about religion is its commitment to the existence of supernatural entities as well as formal religious institutions and doctrines. And they're right. These things really do distinguish religious from non-religious practices, though they may appear to be secondary to many people operating from within a religious point of view. In the same way, I believe that most of **the standard deontological/Kantian self-characterizatons fail to distinguish deontology from other approaches to ethics**. (See also Kagan (Kagan, 1997, pp. 70-78.) on the difficulty of defining deontology.) It seems to me that **consequentialists**, as much as anyone else, **have respect for persons**, **are against treating people as mere objects,** **wish to act for reasons that rational creatures can share, etc**. **A consequentialist respects other persons, and refrains from treating them as mere objects, by counting every person's well-being in the decision-making process**. **Likewise, a consequentialist attempts to act according to reasons that rational creatures can share by acting according to principles that give equal weight to everyone's interests, i.e. that are impartial**. This is not to say that consequentialists and deontologists don't differ. They do. It's just that the real differences may not be what deontologists often take them to be. What, then, distinguishes deontology from other kinds of moral thought? A good strategy for answering this question is to start with concrete disagreements between deontologists and others (such as consequentialists) and then work backward in search of deeper principles. This is what I've attempted to do with the trolley and footbridge cases, and other instances in which deontologists and consequentialists disagree. **If you ask a deontologically-minded person why it's wrong to push someone in front of speeding trolley in order to save five others, you will get** characteristically deontological **answers**. Some **will be tautological**: **"Because it's murder!"** **Others will be more sophisticated: "The ends don't justify the means**." "You have to respect people's rights." **But**, as we know, **these answers don't really explain anything**, because **if you give the same people** (on different occasions) **the trolley case** or the loop case (See above), **they'll make the opposite judgment**, even though their initial explanation concerning the footbridge case applies equally well to one or both of these cases. **Talk about rights, respect for persons, and reasons we can share are natural attempts to explain, in "cognitive" terms, what we feel when we find ourselves having emotionally driven intuitions that are odds with the cold calculus of consequentialism**. Although these explanations are inevitably incomplete, **there seems to be "something deeply right" about them because they give voice to powerful moral emotions**. **But, as with many religious people's accounts of what's essential to religion, they don't really explain what's distinctive about the philosophy in question**.

#### 2. Uncertainty and social contract require governments use util

Gooden, 1995 **(**Robert, philsopher at the Research School of the Social Sciences, Utilitarianism as Public Philosophy. P. 62-63)

Consider, first, the argument from necessity. Public officials are obliged to make their choices under uncertainty, and uncertainty of a very special sort at that. All choices—public and private alike—are made under some degree of uncertainty, of course. But in the nature of things, private individuals will usually have more complete information on the peculiarities of their own circumstances and on the ramifications that alternative possible choices might have on them. Public officials, in contrast, are relatively poorly informed as to the effects that their choices will have on individuals, one by one. What they typically do know are generalities: averages and aggregates. They know what will happen most often to most people as a result of their various possible choices. But that is all. That is enough to allow public policy-makers to use the utilitarian calculus—if they want to use it at all—to choose general rules of conduct. Knowing aggregates and averages, they can proceed to calculate the utility payoffs from adopting each alternative possible general rules.

#### Predictions are possible and useful

**Mearsheimer, 01** (John, professor of political science at the University of Chicago, The Tragedy of Great Power Politics, 2001 p. 8, googleprint)

As a result, all political forecasting is bound to include some error. Those who venture to predict, as I do here, should therefore proceed with humility, take care not to exhibit unwarranted confidence, and admit that hindsight is likely to reveal surprises and mistakes. Despite these hazards, social scientists should nevertheless use their theories to make predictions about the future. Making predictions helps inform policy discourse, because it helps make sense of events unfolding in the world around us. And by clarifying points of disagreement, making explicit forecasts helps those with contradictory views to frame their own ideas more clearly. Furthermore, trying to anticipate new events is a good way to test social science theories, because theorists do not have the benefit of hindsight and therefore cannot adjust their claims to fit the evidence (because it is not yet available). In short, the world can be used as a laboratory to decide which theories best explain international politics. In that spirit I employ offensive realism to peer into the future, mindful of both the benefits and the hazards of trying to predict events.

#### Scenario planning is good pedagogy – inculcates IR education, deconstructs preexisting assumptions, and enables best research practices

**Mahnken and Junio 13** – (2013, Thomas, PhD, Jerome E. Levy Chair of Economic Geography and National Security at the U.S. Naval War College and a Visiting Scholar at the Philip Merrill Center for Strategic Studies at The Johns Hopkins University’s Paul H. Nitze School of Advanced International Studies, and Timothy, Predoctoral Fellow, Center for International Security and Cooperation, Stanford University, PhD in Political Science expected 2013, “Conceiving of Future War: The Promise of Scenario Analysis for International Relations,” International Studies Review Volume 15, Issue 3, pages 374–395, September 2013)

**This article introduces** political scientists to **scenarios**—future counterfactuals—**and demonstrates their value in tandem with other methodologies** and **across a wide range of research questions**. The authors describe best practices regarding the scenario method and argue that **scenarios contribute to theory building and development, identifying new hypotheses, analyzing** data-**poor research** topics, **articulating “world views,” setting** new **research agendas, avoiding cognitive biases, and teaching**. The article also establishes the low rate at which scenarios are used in the international relations subfield and situates scenarios in the broader context of political science methods. The conclusion offers two detailed examples of the effective use of scenarios.

In his classic work on scenario analysis, The Art of the Long View, Peter **Schwartz commented that “social scientists often have a hard time [building scenarios]; they have been trained to stay away** from ‘what if?’ questions **and concentrate on ‘what was?’”** (Schwartz 1996:31). While Schwartz's comments were impressionistic based on his years of conducting and teaching scenario analysis, his claim withstands empirical scrutiny. **Scenarios—counterfactual narratives about the future—are woefully underutilized among political scientists**. **The method is almost never taught** on graduate student syllabi, and a survey of leading international relations (IR) journals indicates that scenarios were used in only 302 of 18,764 sampled articles. **The low rate at which political scientists use scenarios**—less than 2% of the time—**is surprising**; **the method is popular in fields as disparate as business, demographics, ecology, pharmacology, public health, economics, and epidemiology** (Venable, Li, Ginter, and Duncan 1993; Leufkens, Haaijer-Ruskamp, Bakker, and Dukes 1994; Baker, Hulse, Gregory, White, Van Sickle, Berger, Dole, and Schumaker 2004; Sanderson, Scherbov, O'Neill, and Lutz 2004). **Scenarios also are a common tool employed by the policymakers whom political scientists study**.

**This article seeks to elevate the status of scenarios** in political science **by demonstrating their usefulness for theory building and pedagogy**. **Rather than constitute mere speculation regarding an unpredictable future**, **as critics might suggest**, **scenarios assist scholars with developing testable hypotheses, gathering data, and identifying a theory's** upper and lower **bounds**. Additionally, **scenarios are an effective way to teach students to apply theory to policy**. In the pages below, a “best practices” guide is offered to advise scholars, practitioners, and students, and an argument is developed in favor of the use of scenarios. The article concludes with two examples of how political scientists have invoked the scenario method to improve the specifications of their theories, propose falsifiable hypotheses, and design new empirical research programs.

# 3

#### Interpretation - the aff may not claim offense from anything other than the instrumental implementation of a policy stating that member states of the World Trade Organization should reduce intellectual property protections for medicines.

#### “Resolved” means enactment of a law.

Words and Phrases 64 Words and Phrases Permanent Edition (Multi-volume set of judicial definitions). “Resolved”. 1964.

Definition of the word **“resolve,”** given by Webster is “to express an opinion or determination by resolution or vote; as ‘it was resolved by the legislature;” It **is** of **similar** force **to the word “enact,”** which is defined by Bouvier as **meaning “to establish by law”.**

#### Violation: they gain offense over policial strikes in debate

#### Topical version of the aff: [insert]. Disads to the TVA just prove there is neg ground and that it’s a contestable stasis

**Vote Neg – The resolution is the only common stasis point that anchors negative preparation. Allowing any aff deviation from the resolution is a moral hazard which justifies an infinite number of unpredictable arguments with thin ties to the resolution. Because debate is a competitive game, their interpretation incentivizes affirmatives to run further towards fringes and revert to truisms which are exceedingly difficult to negate—this asymmetry is compounded by their monopoly on preparation**

#### That outweighs – The competitive incentive from debate creates pressures for research and focused clash which generates important skills and makes debate a training ground for future work. The impact is movements -- activism is not automatic, but requires learning to defend a proposal against rigorous negation to develop skills for strategy, organizing, problem-solving, using resources, and creating coalitions---their impact turns aren’t unique because the government will inevitably try to capture public worry, the only question is creating alternative incentives for people to organize.

Lakey 13. (George Lakey co-founded Earth Quaker Action Group which just won its five-year campaign to force a major U.S. bank to give up financing mountaintop removal coal mining. Along with college teaching he has led 1,500 workshops on five continents and led activist projects on local, national, and international levels. Among many other books and articles, he is author of “Strategizing for a Living Revolution” in David Solnit’s book Globalize Liberation. 8 skills of a well-trained activist. June 11, 2013. <https://wagingnonviolence.org/feature/8-skills-of-a-well-trained-activist/>)

Why more training now? The history of training is a history of playing catch-up. Very few movements seem to realize that the pace of change can accelerate so rapidly that it outstrips the movement’s ability to use its opportunities fully. In Istanbul a small group of environmentalists sit down to save a park, and suddenly there are protests in over 60 Turkish cities; the agenda expands, from green space to governance to capitalism; doors open everywhere. It would be a good moment to have tens of thousands of skilled organizers ready to seize the day, supporting smart direct action and building prefigurative institutions. But excitement alone may slacken; as with the Occupy movement, spontaneous creativity has its limits. With the right skills, movements can sustain themselves for years against punishing, murderous resistance. The mass direct action phase of the civil rights movement pushed on effectively for a decade after 1955. Mass excitement doesn’t need to fizzle in a year. A movement thrives by solving the problems it faces. Anti-authoritarians don’t want to count on a movement’s top leaders to be the problem-solvers, but instead to develop shared leadership by fostering problem-solving smarts at the grassroots. There’s nothing automatic about grassroots problem-solving. How well people strategize, organize, invent creative tactics, reach effectively to allies, use the full resources of the group and persevere at times of discouragement — all that can be enhanced by training. Nothing is more predictable than that there will be increased turbulence in the United States and many other societies. Activists cause some of the turbulence by rising up; other turbulence results from things like climate change, the 1 percent’s austerity programs and other forces outside activists’ immediate control. Increased turbulence scares a lot of people. It’s only natural that people will look around for reassurance. The ruling class will offer one kind of reassurance. The big question is: What reassurance will the movement offer? When students in Paris in May 1968 launched a campaign that quickly moved into nationwide turbulence, with 11 million workers striking and occupying, there was a momentary chance for the middle class to side with the students and workers instead of siding with the 1 percent. The movement, though, didn’t understand enough about the basic human need for security and failed to use its opportunity. That was a strategic error, but to choose a different path the movement would have required participants with more skills. Training would have been necessary. We can learn from this, inventory the skills needed and train ourselves accordingly. What is training ready to do for us? Here are a few of the key benefits that we should expect to gain from one another through training: 1. Increase the creativity of direct action strategy and tactics. The Yes Men and the Center for Story-Based Strategy lead workshops in which activist groups break out of the lockstep of “marches-and-rallies.” We need to have a broad array of tactics at our disposal, and we have to be ready to invent new ones when necessary. 2. Prepare participants psychologically for the struggle. The Pinochet regime in Chile depended, as dictatorships usually do, on fear to maintain its control. In the 1980s a group committed to nonviolent struggle encouraged people to face their fears directly in a three-step process: small group training sessions in living rooms, followed by “hit-and-run” nonviolent actions, followed by debriefing sessions. By teaching people to control their fear, trainers were building a movement to overthrow the dictator. 3. Develop group morale and solidarity for more effective action. In 1991 members of ACT UP — a militant group protesting U.S. AIDS policy — were beaten up by Philadelphia police during a demonstration. The police were found guilty of using unnecessary force and the city paid damages, but ACT UP members realized they could reduce the chance of future brutality by working in a more united and nonviolent way. Before their next major action they invited a trainer to conduct a workshop where they clarified the strategic question of nonviolence and then role-played possible scenarios. The result: a high-spirited, unified and effective action. 4. Deepen participants’ understanding of the issues. The War Resisters League’s Handbook for Nonviolent Action is an example of the approach that takes even a civil disobedience training as an opportunity to assist participants to take a next step regarding racism, sexism and the like. When we understand how seemingly separate struggles are connected, it helps us create a broader, stronger, more interconnected movement. 5. Build skills for applying nonviolent action in situations of threat and turbulence. In Haiti a hit squad abducted a young man just outside the house where a trained peace team was staying; the team immediately intervened and, although surrounded by twice their number of guards with weapons, succeeded in saving the man from being hung. Through training, we can learn how to react to emergencies like this in disciplined, effective ways. 6. Build alliances across movement lines. In Seattle in the 1980s, a workshop drew striking workers from the Greyhound bus company and members of ACT UP. The workshop reduced the prejudice each group had about the other, and it led some participants to support each other’s struggle. Trainings are a valuable opportunity to bring people from different walks of life together and help them work toward their common goals. 7. Create activist organizations that don’t burn people out. The Action Mill, Spirit in Action, and the Stone House all offer workshops to help activists to stay active in the long run. I’ve seen a lot of accumulated skill lost to movements over the years because people didn’t have the support or endurance to stay in the fight. 8. Increase democracy within the movement. In the 1970s the Movement for a New Society developed a pool of training tools and designs that it shared with the grassroots movement against nuclear power. The anti-nuclear movement went up against some of the largest corporations in America and won. The movement delayed construction, which raised costs, and planted so many seeds of doubt in the public mind about safety that the eventual meltdown of the Three Mile Island plant brought millions of people to the movement’s point of view. The industry’s goal of building 1,000 nuclear plants evaporated. Significantly, the campaign succeeded without needing to create a national structure around a charismatic leader. Activists learned the skills of shared leadership and democratic decision-making through workshops, practice and feedback. In my book Facilitating Group Learning, I share many lessons that have evolved from Freire’s day to ours. I hope that readers of this column will add to the list of training providers in the comments, since I’ve only named some. My intention is to remind us that this could be the right moment, before the next wave of turbulence has all of us in crisis-mode again, to increase training capacity for grassroots skill-building. We’ll be very glad we did.

#### Debate doesn’t have any effect on the political and the individual arguments we read have no effect on our subjectivity, even if they spur immediate reflection, those insights aren’t integrated into deep-stored memory—this means you can vote negative on presumption. Encouraging focused, nuanced research and clash is the only chance to change attitudes long term—which means they can’t solve their impact turns but our model can.

#### filter their impacts through predictable testability ---debate inherently judges relative truth value by whether or not it gets answered---a combination of a less predictable case neg, the burden of rejoinder, and them starting a speech ahead will always inflate the value of their impacts, which makes non-arbitrarily weighing whether they should have read the 1ac in the first place impossible within the structure of a debate round so even if we lose framework, vote neg on presumption. They also create a moral hazard that leads to affs only about individual self-care so even if you think this aff is answerable, the ones they incentivize are not, so assume the worst possible affirmative when weighing our impacts.

# Case

#### They have no explanation for how getting rid of IP protections will somehow get rid of a racial capitalist system, which means that UQ overwhelms the possibility of solving

#### even if it puts a dent in the system – their own ev says that incremental reform is insufficient to solve – we read blue

Beller 21-2 (Jonathan Beller; 2021; Duke University Press; *“The World Computer: Derivative Conditions of Racial Capitalism”*; accessed 4/11/21; ask me for the pdf; Jonathan Beller is a film theorist, culture critic and mediologist. He currently holds the position of Professor of Humanities and Media Studies and Critical and Visual Studies, Pratt Institute, Brooklyn, NY. He is the recipient of numerous awards and fellowships including Mellon, J.P. Getty and Fulbright Foundation grants and honours.; pages 184-195) HB

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

#### the last beller ev says that its not sufficient to just decolonize the world and there is no explanation for how the aff decolonizes thoughts

#### they also cant solve any of the monopolization on the production and distribution of information – the aff ONLY affects countries in the WTO and on patents on medicine – no reason that solves for production and information writ large

#### this is a double turn – they say that they will affirm the resolution and follow speech times but then critique the way that debate is the same code.