## Disclosure:

#### Interpretation: At all TOC bid distributing tournaments, affirmative debaters must disclose all previously read positions with highlighting on the 2021-2022 NDCA LD wiki for every round they have debated this season 30 mins before the round.

#### Violation – check below

A screenshot of a computer

Description automatically generated

#### Standards –

#### 1] Verifiability - disclosure only way to confirm verbal disclosure. Allows me to compare between debaters and prevents lying about past args. good for clash and education, since i can see what other people won or lost on against you

#### 2] Accessibility - disclosure lowers prep burdens - underprivileged programs can use cards on it and guarantees prep ground. neg is always reactive and needs a starting point - guarantees clash. disclosure is reciprocal, ive disclosed everything which means this debate was always skewed towards the aff. key to topic edu

#### Fairness is a voter because debate is a competitive activity with a winner and a loser – Force them to answer as to why it’s a competition. education is a voter - k2 school funding. if the game loses educational value schools cut the budget

#### Theory comes first, in round fairness first, indicts their ability to read other positions in the first since you disclosing nothing makes it near impossible for me to react.

Top of Form

#### Disclosure is drop the debater – 1] it’s a critique of what my opponent did outside of their case itself, 2] you shouldn’t get to win because you didn’t disclose that’s like me getting to win for not reading 8 condo positions, 3] encourages theory baiting and hurts accessibility

#### Competing interps over reasonability – Reasonability is always arbitrary and can never set a Brightline on what is reasonable and what isn’t. Disclosure is a question of whether or not the model you support by not disclosing is good or not, so you have to defend that.

#### No RVIs on Disclosure –

#### 1] Illogical – You don’t get to win for following the rules. That’s like me getting to win because I didn’t read 8 condo positions

## NC:

### Framing:

#### Even if there’s an objective morality, it can’t be transcendent like a scientific law—moral judgements depend upon lower-level laws that require exceptions

Lance and Little 6 Mark Norris Lance and Margaret Olivia Little. “Defending Moral Particularism.” In *Contemporary Debates in Moral Theory*, James Dreier (ed.), 2006. Z. Smith Reynolds Library at Wake Forest University. Mark Norris Lance is a professor in the Philosophy Department and Justice and Peace Studies Program at Georgetown University Margaret Olivia Little Director, Kennedy Institute of Ethics Associate Professor, Philosophy Department Georgetown University https://philpapers.org/rec/LANPAA-2 //avery

But what if one does believe cruelty and the like to be univalent? The first thing to say is that, **even if there are exceptionless moral generalizations** functioning as higher-order laws in morality, this doesn’t itself obviate the (now **lower-order**) lawlikeness of the generalizations concerning our old friends lying, promise-keeping, and the infliction of pain. Higher-order laws, it turns out, can’t do all the heavy lifting. To give an example of Lange’s, it might be the case that all the phenomena of island biodiversity can be unified as instances of Darwinian survival strategy; pointing to laws at that higher level, that is, may unify and constrain patterns of behavior at the level of islands. Nonetheless, there are inferences – the raison d’être of theoretical principles – we can **make only by invoking the lower-level laws.** Laws of island biodiversity allow us to predict with fair accuracy, for instance, the population of a species given only the size of the island, something that cannot be done within Darwinian theory, which makes no mention of islands. Higher-level laws, in short, even where they exist, often fail to capture the content of laws at a lower level. Lower-level laws retain autonomous value. Second, once we realize that genuine laws admit of exception, space opens for a more radical rejoinder. For once we realize this, pressure is placed on why one should believe that exception-filled laws must be backed up at some higher level by a strict one. It places pressure, that is, on any ex ante commitment to the claim that exception-laden laws depend, for their existence, on exceptionless ones. Again, one may have a particular view about morality – here, about its metaphysical backing rather than its first-order normative structure – that implies the existence of strict higher-order moral laws. A Natural Law theorist, or again a Platonist about morality, is committed to the existence of strict moral laws that determine everything’s ethical nature, in much the same way the laws of physics determine all physical nature. But for those who have an essentially **organic, practice-based notion** of morality, according to which morality is **objective but not transcendent**, **there may be no hidden “scientific moral image” lying behind the manifest one.**15 Given the practice we find ourselves engaged in – and only from the perspective of such engagement – we have a sense of the point of that practice, and an understanding of our goals and purposes that allows us to amend that practice. But apart from our skillful involvement with it, we could not formulate any conception of its point, much less produce a codified theory of it that could be used to determine appropriateness within the practice. Moral understanding, while drenched in exception, is understanding of a structure, not merely a series of instances. What one comes to understand is a complex whole, in which intuitions about cases, privileged conditions, and compensatory moves all exert leverage on one another..

#### Moral principles frequently have exceptions—it’s not that nothing’s universal, but there’s no way to compare or codify values independent of context

Lance and Little 6 Mark Norris Lance and Margaret Olivia Little. “Defending Moral Particularism.” In *Contemporary Debates in Moral Theory*, James Dreier (ed.), 2006. Z. Smith Reynolds Library at Wake Forest University. Mark Norris Lance is a professor in the Philosophy Department and Justice and Peace Studies Program at Georgetown University Margaret Olivia Little Director, Kennedy Institute of Ethics Associate Professor, Philosophy Department Georgetown University https://philpapers.org/rec/LANPAA-2 //avery

Moral particularists like exceptions. At any rate, they regard exceptions as **ubiquitous to moral principles**; more importantly, they view them as friend rather than foe. This is of course simply to state their philosophical intuition. We believe, though, that it’s the right intuition; and in this paper, we try to say why. In doing so, we will argue more to the second point than the first. We’ll be concerned less with demonstrating that the right moral principles in fact irreducibly admit of exception, and more with demonstrating that, if such exceptions do (as we suspect) exist, they should be tolerated and indeed embraced. This distinction points to two quite different bases for objecting to the type of moral particularism we’ll be developing. The first, about which we’ll have less to say, stems from substantive moral commitments. One might well believe that, all things considered, the best moral theory is one that in fact ends up cleaning up all exceptions; if so, one certainly won’t be a particularist. Resistance to particularism thus sometimes reflects commitment to a view such as **Kant**’s about lying, say, or the **util**itarian’s about pain, on which it turns out that lying is always wrong-making and pain always bad-making. This is a stance we respect (though we do not agree with it). After all, even those who believe that exceptions can be important must agree that **not all realms admit of them**. Physics, for instance, may well be a system susceptible to a codifiable structure of exceptionless laws (though its exceptionless laws may ending up having statistical quantifiers embedded in them); and even those who are particularists about physics would agree that we could, at any rate, make up a game whose every move is governed by a finite set of exceptionless rules. For many people, though, resistance to moral particularism stems not from any ex ante commitment to a given normative theory. It stems, instead, from commitment to an extra-moral view about the nature of explanation. It stems from a conception of the way in which reasons and explanation must function in any realm – namely, by subsumption under strict theoretical generalizations or laws. According to this view, exceptions stand in the way of genuine explanation. Those committed to such a picture will regard the presence of moral exceptions as an embarrassment to the theoretical task of moral understanding and justification: morality had better be secured by a structure that doesn’t admit of exception, on pain of morality’s demotion to second-class epistemic status. The answer to this sort of resistance is provision of a different model of explanation. We believe that, while reasons and explanation can travel by way of subsumption under strict laws, it is a deep mistake to think they always do – a mistake which, unless resisted, will obscure some of the richest views available. For some realms, ethics included, understanding and expertise is, at its heart, **a matter of understanding, not eliminating, exception**. Exceptions and Explanation Few people believe that lying is always wrong. After all, there may be some contexts in which another moral duty or principle – relief of terrible suffering, say – proves more important. Except where we are prepared to be absolutist, then, claims about the all-things-considered rightness or wrongness of following a given duty will have exceptions. Amongst those who concur with this rather innocuous statement, some believe we can recover a tractable calculus governing the interactions of the various duties or principles that come our way. Perhaps justice is lexically ordered over utility maximization; perhaps we can find a way to render duties’ strengths that will allow us to recover a calculative procedure for balancing them; perhaps specifying the duties to specific roles will allow us to set forth a once-and-for-all ordering of them. Others have set this aside as a misguided project. There is **no algorithm** or quantitative method, they urge, for deciding when justice should trump mercy rather than the other way round, no setting out a way to order or balance the virtues, principles, or duties (take your personal favorite) **independently of context**. Instead, it takes **qualitative judgment** or phronesis to make the comparative judgments in individual cases. Whichever side of that debate one comes down on, though, the vast majority of contemporary philosophers believe that relevant moral duties or features always make the same sort of contribution to a moral situation. Like the forces of physics, but without the vector calculus, we can isolate various moral forces that always push, as it were, in the same moral direction as telling for or against an action. We could put it by inserting a ‘ceteris paribus’ or ‘prima facie’ or ‘pro tanto’ qualifier in front of the claim that ‘lying is wrong’, where those qualifiers function to abstract away possible competing moral considerations. Such a claim is in essence equivalent to asserting an exceptionless connection between lying and a milder moral property: lying may sometimes be morally justified, but it is always wrong-making (see, e.g., Pietrowski 1993). It is here that moral particularists part company. Pain is always bad-making – well, except when it’s constitutive of athletic challenge; intentionally telling a falsehood is prima facie wrong – well, not when done to Nazi guards, to whom the truth is not owed, or when playing the game Diplomacy, where it’s the point of the contest. Pleasure always counts in favor of a situation – well, except when it’s the sadist’s delight in her victim’s agony, where her pleasure is precisely part of what is wrong with the situation.1 It is always wrong-making not to take competent agents at their word; well, not in the S&M room, where ‘no’ precisely does mean ‘yes’. Considerations that in one context tell in favor of an action can in another **go neutral or flip directions entirely**, and all in a way that **cannot be codified** in any helpful concrete way.

#### Permissibility and Presumption negate:

#### 1] Justness – the resolution indicates the affirmative has to prove something as unjust or wrong, and permissibility would deny the existence of wrongness so you presume neg

#### 2] Falsity – Statements are more often false than true because proving one part of the statement false disproves the entire statement. Presuming all statements are true creates contradictions which would be ethically bankrupt.

#### 3] Negating is harder – Aff gets last speech to crystallize and shape the debate in a way the favors them with no 3NR

#### 4] Negation Theory - “to negate” means “to deny the truth of,” which means any argument that renders the resolution false is sufficient to negate.

#### 5] Burden of truth – Aff has the burden of truth and needs to prove the res as true

#### 6] Illogical - negating becomes impossible because all defense becomes offense for the aff

#### 7] Squo Burden – The affs burden is to prove we do anything but the squo so presume neg if the aff can’t prove that

#### 8] Status Quo Bias – you should default to a world where you don’t make change because making change assumes that world will be better than the current world

#### 9] Absent morality nothing is unjust, so you negate

#### 10] Side Burdens – Neg burden is to deny the aff, so proving no reason to do the aff means you negate

#### 11] Infinite prep time – aff gets infinite prep time and chooses the field of the debate so presume against them if they can’t even give a reason why you affirm

#### No new 1AR presumption and permissibility warrants as to why they affirm - becomes a 10-7 timeskew since I don’t get new 2nr justifications

### Offense:

#### A] The Affirmative positions itself as moral principle regarding a situation – This makes morality impossible to achieve since we are now constrained by engrained generalizations that fail to account for exceptions within principles - thus negate on presumption since the 1AC can never contextually justify their moral actions

#### B] Tying morality to principles causes harmful ethical thought – means we can never adjust our thoughts or break principles even if the situation would be better for it

#### C] Affirmative’s generalizations make weighing ethicality between actions impossible – Moral principles will see actions that violate that moral principle as ethically the same – Means we can never decide between conflicting principles and causes the inability to make decisions – Means even if moral principles are good, they make it impossible to act under principles

#### D] MP necessary to formulating real world ethical thinking – not all situations are in the same context and require specific moral analysis to derive moral action, and actual governmental bodies contest bills because of specific instances, like how the bill hurts their specific town/city and specific workers

#### E] Principles are epistemologically circular – “X action is bad to do because it is bad” means we never form justifications for why we should or shouldn’t undergo actions. Principles are self-referential in their justification for that principle’s existence – means principles fall apart on inspection leaving no ground for moral thought. Need contextual situation to epistemologically from reasoning – knowledge formation can’t be generated outside of engagement with ethical contexts

## Case:

AT Boley & Byers 21

Check the rehighlighting – multiple warrants as to why solvency deficits by your own author prove case can’t solve

#### Incoming mega-constellations of satellites ensure unmanageable space debris, triggering the Kessler Syndrome.

1AC Boley & Byers 21 [Aaron C., Department of Physics and Astronomy @ The University of British Columbia\*, and Michael, Department of Political Science @ The University of British Columbia; Published: 20 May 2021; Scientific Reports; “Satellite mega-constellations create risks in Low Earth Orbit, the atmosphere and on Earth,” <https://www.nature.com/articles/s41598-021-89909-7>] brett

Companies are placing satellites into orbit at an unprecedented frequency to build ‘mega-constellations’ of communications satellites in Low Earth Orbit (LEO). In two years, the number of active and defunct satellites in LEO has increased by over 50%, to about 5000 (as of 30 March 2021). SpaceX alone is on track to add 11,000 more as it builds its Starlink mega-constellation and has already filed for permission for another 30,000 satellites with the Federal Communications Commission (FCC)1. Others have similar plans, including OneWeb, Amazon, Telesat, and GW, which is a Chinese state-owned company2. The current governance system for LEO, while slowly changing, is ill-equipped to handle large satellite systems. Here, we outline how applying the consumer electronic model to satellites could lead to multiple tragedies of the commons. Some of these are well known, such as impediments to astronomy and an increased risk of space debris, while others have received insufficient attention, including changes to the chemistry of Earth’s upper atmosphere and increased dangers on Earth’s surface from re-entered debris. The heavy use of certain orbital regions might also result in a de facto exclusion of other actors from them, violating the 1967 Outer Space Treaty. All of these challenges could be addressed in a coordinated manner through multilateral law-making, whether in the United Nations, the Inter-Agency Debris Committee (IADC), or an ad hoc process, rather than in an uncoordinated manner through different national laws. Regardless of the law-making forum, mega-constellations require a shift in perspectives and policies: from looking at single satellites, to evaluating systems of thousands of satellites, and doing so within an understanding of the limitations of Earth’s environment, including its orbits.

Thousands of satellites and 1500 rocket bodies provide considerable mass in LEO, which can break into debris upon collisions, explosions, or degradation in the harsh space environment. Fragmentations increase the cross-section of orbiting material, and with it, the collision probability per time. Eventually, collisions could dominate on-orbit evolution, a situation called the Kessler Syndrome3. There are already over 12,000 trackable debris pieces in LEO, with these being typically 10 cm in diameter or larger. Including sizes down to 1 cm, there are about a million inferred debris pieces, all of which threaten satellites, spacecraft and astronauts due to their orbits crisscrossing at high relative speeds. Simulations of the long-term evolution of debris suggest that LEO is already in the protracted initial stages of the Kessler Syndrome, but that this could be managed through active debris removal4. The addition of satellite mega-constellations and the general proliferation of low-cost satellites in LEO stresses the environment further5,6,7,8.

Results

The overall setting

The rapid development of the space environment through mega-constellations, predominately by the ongoing construction of Starlink, is shown by the cumulative payload distribution function (Fig. 1). From an environmental perspective, the slope change in the distribution function defines NewSpace, an era of dominance by commercial actors. Before 2015, changes in the total on-orbit objects came principally from fragmentations, with effects of the 2007 Chinese anti-satellite test and the 2009 Kosmos-2251/Iridium-33 collisions being evident on the graph.

Figure 1

[Figure 1 omitted]

Cumulative on-orbit distribution functions (all orbits). Deorbited objects are not included. The 2007 and 2009 spikes are a Chinese anti-satellite test and the Iridium 33-Kosmos 2251 collision, respectively. The recent, rapid rise of the orange curve represents NewSpace (see "Methods").

Full size image

Although the volume of space is large, individual satellites and satellite systems have specific functions, with associated altitudes and inclinations (Fig. 2). This increases congestion and requires active management for station keeping and collision avoidance9, with automatic collision-avoidance technology still under development. Improved space situational awareness is required, with data from operators as well as ground- and space-based sensors being widely and freely shared10. Improved communications between satellite operators are also necessary: in 2019, the European Space Agency moved an Earth observation satellite to avoid colliding with a Starlink satellite, after failing to reach SpaceX by e-mail. Internationally adopted ‘right of way’ rules are needed10 to prevent games of ‘chicken’, as companies seek to preserve thruster fuel and avoid service interruptions. SpaceX and NASA recently announced11 a cooperative agreement to help reduce the risk of collisions, but this is only one operator and one agency.

Figure 2

[Figure 2 omitted]

Orbital distribution and density information for objects in Low Earth Orbit (LEO). (Left) Distribution of payloads (active and defunct satellites), binned to the nearest 1 km in altitude and 1° in orbital inclination. The centre of each circle represents the position on the diagram, and the size of the circle is proportional to the number of satellites within the given parameter space. (Right) Number density of different space resident objects (SROs) based on 1 km radial bins, averaged over the entire sky. Because SRO objects are on elliptical orbits, the contribution of a given object to an orbital shell is weighted by the time that object spends in the shell. Despite significant parameter space, satellites are clustered in their orbits due to mission requirements. The emerging Starlink cluster at 550 km and 55° inclination is already evident in both plots (Left and Right).

Full size image

When completed, Starlink will include about as many satellites as there are trackable debris pieces today, while its total mass will equal all the mass currently in LEO—over 3000 tonnes. The satellites will be placed in narrow orbital shells, creating unprecedented congestion, with 1258 already in orbit (as of 30 March 2021). OneWeb has already placed an initial 146 satellites, and Amazon, Telesat, GW and other companies, operating under different national regulatory regimes, are soon likely to follow.

Enhanced collision risk

Mega-constellations are composed of mass-produced satellites with few backup systems. This consumer electronic model allows for short upgrade cycles and rapid expansions of capabilities, but also considerable discarded equipment. SpaceX will actively de-orbit its satellites at the end of their 5–6-year operational lives. However, this process takes 6 months, so roughly 10% will be de-orbiting at any time. If other companies do likewise, thousands of de-orbiting satellites will be slowly passing through the same congested space, posing collision risks. Failures will increase these numbers, although the long-term failure rate is difficult to project. Figure 3 is similar to the righthand portion of Fig. 2 but includes the Starlink and OneWeb mega-constellations as filed (and amended) with the FCC (see “Methods”). The large density spikes show that some shells will have satellite number densities in excess of n=10−6 km−3.

Figure 3

[Figure 3 omitted]

Satellite density distribution in LEO with the Starlink and OneWeb mega-constellations as filed (and amended) with the FCC. Provided that the orbits are nearly circular, the number densities in those shells will exceed 10–6 km−3. Because the collisional cross-section in those shells is also high, they represent regions that have a high collision risk whenever debris is too small to be tracked or collision avoidance manoeuvres are impossible for other reasons.

Full size image

Deorbiting satellites will be tracked and operational satellites can manoeuvre to avoid close conjunctions. However, this depends on ongoing communication and cooperation between operators, which at present is ad hoc and voluntary. A recent letter12 to the FCC from SpaceX suggests that some companies might be less-than-fully transparent about events13 in LEO.

Despite the congestion and traffic management challenges, FCC filings by SpaceX suggest that collision avoidance manoeuvres can in fact maintain collision-free operations in orbital shells and that the probability of a collision between a non-responsive satellite and tracked debris is negligible. However, the filings do not account for untracked debris6, including untracked debris decaying through the shells used by Starlink. Using simple estimates (see “Methods”), the probability that a single piece of untracked debris will hit any satellite in the Starlink 550 km shell is about 0.003 after one year. Thus, if at any time there are 230 pieces of untracked debris decaying through the 550 km orbital shell, there is a 50% chance that there will be one or more collisions between satellites in the shell and the debris. As discussed further in “Methods”, such a situation is plausible. Depending on the balance between the de-orbit and the collision rates, if subsequent fragmentation events lead to similar amounts of debris within that orbital shell, a runaway cascade of collisions could occur.

Fragmentation events are not confined to their local orbits, either. The India 2019 ASAT test was conducted at an altitude below 300 km in an effort to minimize long-lived debris. Nevertheless, debris was placed on orbits with apogees in excess of 1000 km. As of 30 March 2021, three tracked debris pieces remain in orbit14. Such long-lived debris has high eccentricities, and thus can cross multiple orbital shells twice per orbit. A major fragmentation event from a single satellite could affect all operators in LEO.

Even if debris collisions were avoidable, meteoroids are always a threat. The cumulative meteoroid flux15 for masses m > 10–2 g is about 1.2 × 10–4 meteoroids m−2 year−1 (see “Methods”). Such masses could cause non-negligible damage to satellites16. Assuming a Starlink constellation of 12,000 satellites (i.e. the initial phase), there is about a 50% chance of 15 or more meteoroid impacts per year at m > 10–2 g. Satellites will have shielding, but events that might be rare to a single satellite could become common across the constellation.

One partial response to these congestion and collision concerns is for operators to construct mega-constellations out of a smaller number of satellites. But this does not, individually or collectively, eliminate the need for an all-of-LEO approach to evaluating the effects of the construction and maintenance of any one constellation.

#### Not even unique at all, legit its extra topical