### Procurement T

#### 1. We meet- plan creates incentives and secures a market for nuclear energy

#### 2. We meet- paying them is the financial incentive

#### 3. Counter interpretation- financial incentives are disbursement of public funds or contingent commitments

Webb 93

(lecturer in the Faculty of Law at the University of Ottawa (Kernaghan, “Thumbs, Fingers, and Pushing on String: Legal Accountability in the Use of Federal Financial Incentives”, 31 Alta. L. Rev. 501 (1993) Hein Online)

In this paper, "financial incentives" are taken to mean disbursements 18 of public funds or contingent commitments to individuals and organizations, intended to encourage, support or induce certain behaviours in accordance with express public policy objectives. They take the form of grants, contributions, repayable contributions, loans, loan guarantees and insurance, subsidies, procurement contracts and tax expenditures.19 Needless to say, the ability of government to achieve desired behaviour may vary with the type of incentive in use: up-front disbursements of funds (such as with contributions and procurement contracts) may put government in a better position to dictate the terms upon which assistance is provided than contingent disbursements such as loan guarantees and insurance. In some cases, the incentive aspects of the funding come from the conditions attached to use of the monies.20 In others, the mere existence of a program providing financial assistance for a particular activity (eg. low interest loans for a nuclear power plant, or a pulp mill) may be taken as government approval of that activity, and in that sense, an incentive to encourage that type of activity has been created.21 Given the wide variety of incentive types, it will not be possible in a paper of this length to provide anything more than a cursory discussion of some of the main incentives used.22 And, needless to say, the comments made herein concerning accountability apply to differing degrees depending upon the type of incentive under consideration.¶ By limiting the definition of financial incentives to initiatives where *public funds are either disbursed or contingently committed*, a large number of regulatory programs with incentive *effects* which exist, but in which no money is forthcoming,23 are excluded from direct examination in this paper. Such programs might be referred to as *indirect* incentives. Through elimination of indirect incentives from the scope of discussion, thedefinition of the incentive instrument becomes both more manageable and more particular. Nevertheless, it is possible that much of the approach taken here may be usefully applied to these types of indirect incentives as well.24 Also excluded from discussion here are social assistance programs such as welfare and *ad hoc* industry bailout initiatives because such programs are not designed primarily to *encourage* behaviours in furtherance of specific public policy objectives. In effect, these programs are assistance, but they are not incentives.

#### Ground- it is grounded in the literature and is the only way to intrinsically keep military affs in the topic which are key to beat states counterplans, and it links much harder to disads

#### Predictability- our evidence has a definitive list and an intent to define, and is supported in the literature

#### Limits- only adds procurement affs to their list, but limits out all indirect incentive effects their allows

#### Education- key to talk about different actors use of energy and how energy’s connection to the military, and no aff makes sense where the government is the consumer

#### Reasonability key to prevent a race to the most limiting definition

### 2AC Elections

#### Obama already pushed for SMR’s

New York Times 11

(Matthew L. Wald, “Administration to Push for Small ‘Modular’ Reactors” <http://www.nytimes.com/2011/02/13/science/earth/13nuke.html?_r=3>, SEH)

The Obama administration’s 2012 budget proposal will include a request for money to help develop small “modular” reactors that would be owned by a utility and would supply electricity to a government lab, people involved in the effort say. The department is hoping for $500 million over five years, half of the estimated cost to complete two designs and secure the Nuclear Regulatory Commission’s approval. The reactors would be built almost entirely in a factory and trucked to a site like modular homes.¶ In promoting the reactor, the administration’s immediate goal is to help the Energy Department meet a federal target for reducing its carbon dioxide emissions by relying more on clean energy and less on gas and coal. Like other federal agencies, the department is required by an executive order to reduce its carbon footprint by 28 percent by 2020.

#### No comebacks, especially for Romney

Uygur, 10-1

Cenyk Uygur, host of the young Turks on Current Tv, “This Election Is Already Over - Obama Has Won,” Huffington Post, <http://www.huffingtonpost.com/cenk-uygur/obama-polls-lead_b_1927955.html>

There's another poll out today showing President Obama with a nine point lead in Ohio. That's the fifth poll in a row showing him with a larger than a five point lead. The Quinnipiac University/CBS News/New York Times poll that came out last week had him with a ten point lead.¶ No Republican has ever won the presidency without winning Ohio. Plus, whoever has won Ohio has won the last 11 presidential races. Ten point leads aren't small, they're gigantic.¶Here's my new favorite fact: whoever is leading two weeks after the last convention has never relinquished the lead in the last 15 presidential elections. It's way past two weeks since the last convention and President Obama doesn't have a small lead, he has a huge lead.¶ This thing is over. The rest is just running out the clock. In fact, I already called it on our Current show last Wednesday.¶ The debates hardly matter. They are way overhyped. The last presidential debate that mattered was ... in 1960. Conventional wisdom says that Al Gore lost his lead to George Bush after the debates in 2000. Here are two inconvenient facts about those debates. First, according to polling done immediately after the debates Gore won two out of three debates, including the famous "sigh" debate (sometimes conventional wisdom is so painfully stupid -- the media painted that as a loss for Gore when the polling was clear, he won by a comfortable seven points). Second, Gore won the popular vote (and the electoral vote if you recounted all of Florida by any recount standard).¶ In the interest of full-disclosure I work for Current, a network co-founded by Al Gore and in the interest of full-disclosure I have already said this many, many times well before I worked for Current.¶ Could a miracle happen between now and Election Day? Of course, but it would have to be a major one because I don't think a minor miracle will do it here. Do you still have to vote? Of course, none of these polls matter if people don't actually go out and vote.¶ But the debates are very unlikely to move the numbers and President Obama, being a careful politician, is very unlikely to stumble and Romney, who has been running an awful campaign, is very unlikely to miraculously get much, much better and overwhelm the president in the next month or so.¶ Does Romney look like he's running the kind of campaign that could pull off the greatest come from behind victory in our lifetimes?¶Here is another look at the numbers to show you why this is not a close election (including other swing states):¶ This doesn't mean that the election won't tighten sometime between now and Election Day. And, of course, the media will make a huge deal out of it because this is our bread and butter. We love this stuff and can't wait for more drama (including myself because I love the horse race almost as much as I love the policy discussions). This is our Super Bowl and we secretly don't want a blow-out. But if you look at the numbers objectively, for all intents and purposes, this thing is already in the books. It's over. President Obama will get re-elected.

#### The result is locked in – debate proves

Downie 10/4

<http://www.washingtonpost.com/blogs/post-partisan/post/obama-lost-the-first-debate-but-he-will-still-win-the-election/2012/10/04/9c3b7eb8-0deb-11e2-bd1a-b868e65d57eb_blog.html>¶ James Downie is a reporter-researcher at The New Republic. Previously, he worked at Foreign Policy, TIME, and Campus Progress. Born and raised in Washington, D.C., he graduated from Columbia University, where he edited its undergraduate news blog, The Bwog.

Furthermore, most post-debate polling bumps come from previously undecided voters, of which there is a historically small amount in this campaign, thus making it even less likely that Romney could exceed past norms. And Romney would need to outdo history by quite a distance — only Harry Truman has come back from a national deficit as large or larger than Romney’s at this point in the campaign. If Romney would have to pull off a miracle to close the gap in national polling, he has no shot at matching the president in the electoral college. As mentioned above, forecasters commonly predict that Obama already has a big lead of safe and leaning states. If we assume Romney will improve in the polls, there would be around nine “swing states”: Colorado, Florida, Iowa, North Carolina, New Hampshire, Nevada, Ohio, Virginia and Wisconsin. There’s one problem here for Romney: He is trailing, and has been consistently trailing, in all but two — North Carolina, where he’s held a small lead, and Florida, this election’s closest thing to a 50-50 state. Romney doesn’t need to win two out of those nine; in almost every scenario, he will need six or seven out of those nine to win, including at least two or three states where he is behind by several points more than he is nationally. All of which brings me to the final point: Given the state of the race before last night’s debate, even most Romney backers would agree that a Romney victory would require a flawless campaign the rest of the way from Romney and a blunder or two from Obama. After six years of both these men running for and/or being president of the United States, is there really anyone out there who thinks Mitt Romney can go a month without making a single mistake? Who thinks Barack Obama, who has been playing it safe for at least several months now, will suddenly make a reckless error, as opposed to a merely lackluster performance? (Or, if you’re Sean Hannity and co., do you believe the lamestream media will suddenly forget their liberal bias and stop protecting the president while assaulting Mitt Romney?) Seriously, does anyone believe that? The fact is that, come October, presidential elections cannot permanently change course over a few days or hours (unlike, say, media narratives). The majority of voters have already made their decision, and the debates won’t provide enough of a boost to alter the contest’s trajectory. Sadly for Romney, the path the race is stuck on ends with his defeat.

#### Energy is irrelevant

Wang 9/27/12

Herman, writer for The Barrel, a Platts energy forecasting blog, “Even with US gasoline prices at a higher number, energy isn’t a big deal in White House race,” <http://blogs.platts.com/2012/09/27/energy_campaign/>, AM

The respected polling firm Gallup asked voters in August what the most important issue facing the country was, and only 1% cited energy. That’s down sharply from the 25% of poll respondents who cited energy as the top issue in the days before the 2008 election, in which Republicans coined the rallying cry “Drill, baby, drill!” in response to high oil and gasoline prices. This time around, the economy, unemployment, general dissatisfaction with government and health care are greater concerns for voters, said Frank Newport, editor in chief of The Gallup Poll. Energy “doesn’t show up when we [ask voters] to tell us in your own words why you’re voting for the candidates,” he said. “We just don’t see much evidence that it’s a high top-of-mind issue in the campaign.”

#### The public loves nuclear—newest polling and be skeptical of their link authors

Westenhaus 9/30/12

Brian, editor of the popular energy technology site New Energy and Fuel, “Confidence in Nuclear Power is on the Rise Again,” <http://oilprice.com/Alternative-Energy/Nuclear-Power/Confidence-in-Nuclear-Power-is-on-the-Rise-Again.html>, AM

The Nuclear Energy Institute announced a September telephone survey in a press release suggesting almost two thirds of U.S. adults favor the use of nuclear energy as one of the ways to provide electricity in the United States. This latest survey found that Americans strongly favoring nuclear energy outnumber those strongly opposed by a two-to-one ratio, 29% versus 14%. The new numbers improve on a poll conducted in September 2011, six months after the Fukushima accident, when 62% of American favored nuclear energy, with 35% opposed. The new survey shows confidence is improving. Just over three quarters of respondents agree that nuclear energy facilities operating in the United States are ‘safe and secure,’ while only 19% think they are not. Eighty percent of Americans opposed to 16% believe “we should learn the lessons from the Japanese accident and continue to develop advanced nuclear energy plants to meet America’s growing electricity demand.” In a shock to the political system and the anti nuclear crowd a large majority (81%) of those surveyed favor the renewal of operating licenses of facilities that continue to meet federal safety standards, while 74% believe electric utilities should prepare now so they will be ready to build new nuclear power plants in the next decade if needed.

#### DOD energy programs don’t link---conservative won’t oppose

Davenport 12

Coral Davenport, energy and environment correspondent for National Journal. Prior to joining National Journal in 2010, Davenport covered energy and environment for Politico, and before that, for Congressional Quarterly. In 2010, she was a fellow with the Metcalf Institute for Marine and Environmental Reporting. From 2001 to 2004, Davenport worked in Athens, Greece, as a correspondent for numerous publications, including the Christian Science Monitor and USA Today, covering politics, economics, international relations and terrorism in southeastern Europe. She also covered the 2004 Olympic Games in Athens, and was a contributing writer to the Fodor’s, Time Out, Eyewitness and Funseekers’ guidebook series. Davenport started her journalism career at the Daily Hampshire Gazette in Northampton, Massachusetts, after graduating from Smith College with a degree in English literature. National Journal, 2/10/12, White House Budget to Expand Clean-Energy Programs Through Pentagon, ProQuest

The White House believes it has figured out **how to get more money for clean-energy** programs touted by President Obama **without having it become political roadkill** in the wake of the Solyndra controversy: **Put it in the Pentagon**. While details are thin on the ground, **lawmakers who work on both energy- and defense-spending** policy **believe the fiscal 2013 budget** request to be delivered to Congress on Monday probably **won't include** big **increases** for wind and solar power **through the Energy Department, a** major target for Republicans since solar-panel maker Solyndra defaulted last year on a $535 million loan guarantee. But **they** do **expect to see increases in spending on alternative energy in** the **Defense** Department, such as programs to replace traditional jet fuel with biofuels, supply troops on the front lines with solar-powered electronic equipment, build hybrid-engine tanks and aircraft carriers, and increase renewable-energy use on military bases. **While Republicans will** instantly **shoot down requests for fresh spending on Energy Department programs that could be likened to** the one that funded **Solyndra**, **many support** **alternative-energy programs for the military**. "I do expect to see the spending," said Rep. Jack Kingston, R-Ga., a member of the House Defense Appropriations Subcommittee, when asked about increased investment in alternative-energy programs at the Pentagon. "I think in the past three to five years this has been going on, but that it has grown as a culture and a practice - and it's a good thing." "If Israel attacks Iran, and we have to go to war - and the Straits of Hormuz are closed for a week or a month and the price of fuel is going to be high," Kingston said, "the question is, in the military, what do you replace it with? It's not something you just do for the ozone. It's strategic." Sen. **Lindsey Graham**, R-S.C., who sits on both the Senate Armed Services Committee and the Defense Appropriations Subcommittee, **said, "I don't see what they're doing in DOD as being Solyndra**." "We're not talking about putting $500 million into a goofy idea," Graham told National Journal . "We're talking about taking applications of technologies that work and expanding them. I wouldn't be for DOD having a bunch of money to play around with renewable technologies that have no hope. But from what I understand, there are renewables out there that already work." A senior House Democrat noted that **this wouldn't be the first time** that **the Pentagon has been utilized to advance policies that wouldn't otherwise be supported**. "They did it in the '90s with medical research," said Rep. Henry Waxman, D-Calif., ranking member of the House Energy and Commerce Committee. In 1993, when funding was frozen for breast-cancer research programs in the National Institutes of Health, Congress boosted the Pentagon's budget for breast-cancer research - to more than double that of the health agency's funding in that area. **Politically, the strategy makes sense**. **Republicans are ready to fire at the first sign of any pet Obama program, and renewable programs at the Energy Department are an exceptionally ripe target**. That's because of Solyndra, but also because, in the last two years, the Energy Department received a massive $40 billion infusion in funding for clean-energy programs from the stimulus law, a signature Obama policy. When that money runs out this year, a request for more on top of it would be met with flat-out derision from most congressional Republicans. **Increasing renewable-energy initiatives at the Pentagon can** also **help Obama advance his** broader, national **goals** for transitioning the U.S. economy from fossil fuels to alternative sources. As the largest industrial consumer of energy in the world, the U.S. military can have a significant impact on energy markets - if it demands significant amounts of energy from alternative sources, it could help scale up production and ramp down prices for clean energy on the commercial market. Obama acknowledged those impacts in a speech last month at the Buckley Air Force Base in Colorado. "The Navy is going to purchase enough clean-energy capacity to power a quarter of a million homes a year. And it won't cost taxpayers a dime," Obama said. "What does it mean? It means that the world's largest consumer of energy - the Department of Defense - is making one of the largest commitments to clean energy in history," the president added. "That will grow this market, it will strengthen our energy security." Experts also hope that Pentagon engagement in clean-energy technology could help yield breakthroughs with commercial applications. Kingston acknowledged that the upfront costs for alternative fuels are higher than for conventional oil and gasoline. For example, the Air Force has pursued contracts to purchase biofuels made from algae and camelina, a grass-like plant, but those fuels can cost up to $150 a barrel, compared to oil, which is lately going for around $100 a barrel. Fuel-efficient hybrid tanks can cost $1 million more than conventional tanks - although in the long run they can help lessen the military's oil dependence, Kingston said Republicans recognize that the up-front cost can yield a payoff later. "It wouldn't be dead on arrival. But we'd need to see a two- to three-year payoff on the investment," Kingston said. Military officials - particularly Navy Secretary Ray Mabus, who has made alternative energy a cornerstone of his tenure - have been telling Congress for years that the military's dependence on fossil fuels puts the troops - and the nation's security - at risk. Mabus has focused on meeting an ambitious mandate from a 2007 law to supply 25 percent of the military's electricity from renewable power sources by 2025. (Obama has tried and failed to pass a similar national mandate.) Last June, the **DOD rolled out its first department-wide energy policy to coalesce alternative and energy-efficient initiatives across the military services**. In January, the department announced that a study of military installations in the western United States found four California desert bases suitable to produce enough solar energy - 7,000 megawatts - to match seven nuclear power plants. And so far, those **moves have met with approval from congressional Republicans**. Even so, any request for new Pentagon spending will be met with greater scrutiny this year. The Pentagon's budget is already under a microscope, due to $500 billion in automatic cuts to defense spending slated to take effect in 2013. But **even with** those **challenges**, **clean-energy spending** probably **won't stand out** as much **in** the **military budget as it would in the Energy Department budget**. Despite its name, the Energy Department has traditionally had little to do with energy policy - its chief portfolio is maintaining the nation's nuclear weapons arsenal. Without the stimulus money, last year only $1.9 billion of Energy's $32 billion budget went to clean-energy programs. A spending increase of just $1 billion would make a big difference in the agency's bottom line. But **it would** probably **be easier to tuck another** $1 billion or $**2 billion** **on clean-energy spending into the Pentagon's $518 billion budget**. **Last year**, **the Pentagon spent** about $**1 billion on renewable energy** and energy-efficiency programs across its departments.

#### New Military Base Spending is popular

Bloomberg 9/4

(Danielle Ivory, “Virginia Leads Swing States at Risk Over Cliff: BGOV Barometer” <http://www.bloomberg.com/news/2012-09-04/virginia-leads-swing-states-at-risk-over-cliff-bgov-barometer.html>, SHE)

**For** some **swing-state voters, the presidential election may come down to who they want holding the net if their economies go over the fiscal cliff**.¶ The BGOV Barometer shows that **the battlegrounds of Virginia, Colorado and Pennsylvania are among 19 states** and the District of Columbia **that depended on U.S. government contracts for more than 3 percent of their** 2011 **gross domestic product**. The states are vulnerable to $1.2 trillion in automatic 10-year budget reductions, called sequestration, that will begin in January if Congress and the White House fail to agree on a deficit-reduction plan. ¶ President Barack **Obama and** his Republican challenger, Mitt **Romney , need** the 42 electoral votes represented by **Virginia, Colorado and Pennsylvania** as they compete for the 270 it takes to win. Their lines of attack on the automatic cuts, which along with tax increases make up the fiscal cliff, may help determine the outcome in those swing states.¶ “It’s going to increasingly become an issue in this election,” said Todd Harrison , a senior fellow at the Center for Strategic and Budgetary Assessments in Washington. “Both sides want to run against sequestration.¶ “Maybe that’s what this boils down to,” Harrison said in an interview. “Whose approach do you prefer for avoiding sequestration?”¶ The government spent more than $500 billion on federal contracts in 2011. Agencies awarded $58.9 billion in orders that year for work performed in Virginia.¶ ‘Tentacles Everywhere’¶ Federal awards represented 14 percent of the economy in the state, home to the Pentagon and headquarters of top federal contractors such as McLean-based SAIC Inc. (SAI) The company was the top recipient of awards in Virginia, receiving $3 billion for work in the state. SAIC performs computer and engineering services for agencies including the Department of Defense .¶ Federal awards support economies outside the state, so a contract in Virginia might have implications for a lawyer or consultant in Ohio or Texas, Ric Brown, the state’s finance secretary, said in an interview. “It has tentacles everywhere,” he said.¶ Contractors performing work in Colorado won $10.2 billion in U.S. awards last year, which represented 3.8 percent of the state’s economy. Lockheed Martin Corp. (LMT), based in Bethesda, Maryland , won the most in contracts, $2.41 billion, for work in the state. The company is the No. 1 U.S. defense contractor.¶ ‘Held Hostage’¶ Agencies last year awarded $17.7 billion in contracts for work in Pennsylvania. The state relied on the awards for 3.1 percent of its economy. Bechtel Group, based in San Francisco , was the top recipient of contracts in the state with $1.99 billion in awards.¶ **The three swing states** also **have** direct federal employees and **military bases that require additional government funding**. Nevada, Florida, Wisconsin, Ohio and Iowa -- swing states with 69 electoral votes -- may be less vulnerable because they derived less than 3 percent of their economy from federal contracts.

#### Undecided voters aren’t paying attention

Enten 10/4

Harry Enten, Guardian election expert, 10/4/12, If Mitt Romney won the debate, will he win the election?, www.guardian.co.uk/commentisfree/2012/oct/04/mitt-romney-won-debate-win-election

We cannot expect that this or any one debate will turn an Obama edge into a large Romney lead. Romney is down by about 3 percentage points in the Real Clear Politics average. Only 5% of the electorate is truly undecided. Most of these undecided voters weren't watching the debate and probably won't make their choice until election day.

#### Romney can’t turn this into a win—he’s already come out in support of nuclear

Wood 9/13/12

Elisa, energy columnist for AOL, “What Obama and Romney Don't Say About Energy,” <http://energy.aol.com/2012/09/13/what-obama-and-romney-dont-say-about-energy/>, AM

Fossil fuels and renewable energy have become touchy topics in this election, with challenger Mitt Romney painting President Barack Obama as too hard on the first and too fanciful about the second – and Obama saying Romney is out of touch with energy's future. But two other significant resources, nuclear power and energy efficiency, are evoking scant debate. What gives? Nuclear energy supplies about 20 percent of US electricity, and just 18 months ago dominated the news because of Japan's Fukushima Daiichi disaster – yet neither candidate has said much about it so far on the campaign trail. Romney mentioned nuclear power only seven times in his recently released white paper, while he brought up oil 150 times. Even wind power did better with 10 mentions. He pushes for less regulatory obstruction of new nuclear plants, but says the same about other forms of energy. Obama's campaign website highlights the grants made by his administration to 70 universities for research into nuclear reactor design and safety. But while it is easy to find his ideas on wind, solar, coal, natural gas and oil, it takes a few more clicks to get to nuclear energy. The Nuclear Energy Institute declined to discuss the candidates' positions pre-election. However, NEI's summer newsletter said that both "Obama and Romney support the use of nuclear energy and the development of new reactors."

#### Romney foreign policy will be pragmatic- flip flopping and advisors

Heilbrunn 8-27

Jacob is senior editor at National Interest, “Will Romney Discover his Inner Nixon,” <http://www.foreignpolicy.com/articles/2012/08/27/will_romney_discover_his_inner_nixon>

Given the somersaults that previous presidents have performed in moving from the campaign trail to the Oval Office, **it's at least worth pondering whether Romney -- the preeminent flip-flopper of our time**, after all -- **might not perform yet another one**. A potentially auspicious sign is that Romney has been longer on sweeping criticisms of Obama than on spelling out just where he would differ from the president. He has brayed about American exceptionalism, while hardly promising anything very exceptional. At most, he has backed a massive and antediluvian shipbuilding plan. **While his campaign boasts a number of neocon stars**, ranging from the intellectually deft Robert Kagan to the cantankerous John Bolton, **he has also appointed Robert Zoellick, a bête noire of the neocons, to head his foreign-policy transition team. He has also successfully sought to water down some of the more reactionary planks that Tea Party types wanted to promulgate in the GOP's official platform**, as FP has reported, **such as** officially **jettisoning the two-state solution**. In short, the right's fears about Romney -- that he is something of a squish -- may be justified not only on domestic policy, but also on foreign policy, the area where a president has the most unilateral authority as commander in chief.¶ Romney's evasiveness on foreign affairs has prompted a number of foreign-policy commentators to engage in the modern-day equivalent of the Roman practice of haruspicy. In the Washington Post, for example, David Ignatius discusses the Romney "enigma." In the National Interest, longtime defense reporter James Kitfield calls it "Romney's neocon puzzle." And on the right, Human Events frets, "When it comes to defense and foreign affairs, Republican presidential challenger Mitt Romney has played strategy cards close to his chest for much of his campaign."¶ Indeed he has. One reason is that foreign affairs commands little interest in the 2012 election. For his part, Obama, as has been widely observed, stole the Republicans' neocon lunch money when he successfully killed Osama bin Laden. Romney may grouse that "Even Jimmy Carter would have given that order" -- though during the 2008 campaign John McCain said unilateral action inside Pakistan was bonkers and that Obama's support for the idea showed his naiveté -- but Obama effectively stilled opposition on national security grounds by dispatching the al Qaeda chief. It's also the case that Obama, to the dismay of some of his supporters, has turned out to be much more of a -- dare one say it? -- neocon than they ever imagined. He retreated on closing the Guantánamo Bay prison. He upped the Predator drone program. And he backed the surge in Afghanistan.¶ **The** very **fact** that **foreign affairs occupies so little prominence** during the campaign **suggest**s that **Romney would**, in common with most fledgling presidents, **focus during his first year on domestic affairs** -- tax cuts, the budget deficit, and unemployment. **Foreign affairs would** distinctly **play second fiddle**. Put otherwise, **the notion** that **Romney would be thirsting for a new war** -- a potential new Bay of Pigs, in other words -- **at the outset** of his presidency **is questionable**. As with so much concerning Romney, **the more likely scenario is that his belligerent talk is simply cheap bluster that he has no intention of acting upon**. **Even Bush, for** all **his ranting about an "axis of evil," never had the cojones to take on either Iran or North Korea**, settling instead for what he thought would be an easy, glittering victory in Iraq.¶ **What's more, to assume that a Romney administration would be a simple rerun of the Bush years may be mistaken**. For one thing, **no one could play the role of Dick Cheney to Romney**. Unlike Bush, **Romney would hardly be inclined to place his presidency at the disposal of his running mate**, Paul Ryan, **who has no** discernible **foreign-policy experience,** in stark contrast to previous Republican vice presidents such as Richard Nixon, George H.W. Bush, and Cheney. It's also the case that when it comes to cabinet-level positions, Romney would send a strong signal that he wasn't about to embark upon adventures abroad if Council on Foreign Relations President Richard Haass is appointed secretary of state. And it would be telling if the moderate Evan A. Feigenbaum, a co-chairman of Romney's Asia-Pacific working group, gets a plum post.¶ So the truth is that **a replay of previous Republican administrations, with neocons duking it out against realists, may be the most likely outcome**. **Romney**, like most of his Republican predecessors, **would probably try to split the difference among the neocons, the realists, and the Tea Party types**, all vying for the president's ear. Remember that **Reagan, whom Romney** **constantly invokes, had a number of neocons inside his administration**, including Abrams and Jeane Kirkpatrick, **but when push came to shove, Reagan sided with realists** such as Secretary of State Shultz, **who emphasized diplomacy** and alliances **over** bellicose **unilateralism.** George W. **Bush himself reverted** to this model in 2006, **when he relied on** Robert **Gates and** Condoleezza **Rice rather than the neocons**. The open question, of course, is whether, after a decade of neocon suzerainty in the GOP, enough realists remaining standing to make a difference**.¶ But perhaps the strongest argument for a moderate Romney is his own oleaginous character**. In trying to stand for everything that Reagan stood for, **Romney has ended up standing for nothing except his own personal advancement**. The only thing that would be worse than Romney proclaiming things he doesn't believe is if he believed them. Yes, there's always the chance that Romney will feel forced to cater to the neocons and plunge America into a war with Iran -- which is why voters may end up deciding it's not worth taking the chance to find out whether he puts much credence in his own malarkey about creating a new American century.¶ Still, the odds are against it. **Democrats who warn about Romney provoking China and Russia or bombing Iran may be engaging in their own form of threat inflation. All three are a sideshow next to the economy**. Cautious and hard-nosed, shrewd and unprincipled, Romney is undoubtedly aware that the only way he can become a successful president is by fulfilling the right's worst fears about him. Romney, in other words, needs to pull an Obama. If he plays his cards right and jettisons his foreign-policy flapdoodle upon entering the Oval Office, Romney might even end up earning the grudging respect of moderates and liberals who will be as amazed at his transformation as they were aghast at Obama's morphing into a hawk. Perhaps even Colin Powell will be placated by his performance.¶

#### Romney’s stance on Iran is same as the status quo – no aggression

CNN ’12

(Tom Cohen, 7/30/2012, “Romney talks tough but differs little from Obama on Iran”, <http://www.cnn.com/2012/07/30/politics/romney-iran/index.html>)

Mitt **Romney** seeks to assure Israel and Iran, as well as Jewish voters in the United States, that he will be tougher against Iran's nuclear ambitions than President Barack Obama.¶ So far, though, the **main differences on the issue** between the presumptive Republican nominee and the president he hopes to defeat in the November **election involve tone and nuance more than substance**.¶ In two high-profile speeches in the past week, **Romney has tried to position himself as a better friend to Israel than Obama** **by pledging full support** for any steps necessary to prevent Iran from becoming a nuclear state.¶ Calling the issue America's "highest national security priority," the former Massachusetts governor said Sunday in Jerusalem that "we recognize Israel's right to defend itself, and that it is right for America to stand with you."¶ [Romney walks a wary line](http://www.cnn.com/2012/07/30/opinion/jerusalem-postcard/index.html" \t "_blank)**¶ Meanwhile, a top Romney adviser on foreign policy** told reporters Sunday that Romney would respect a decision by Israel to "take action on its own in order to stop Iran" from developing nuclear capability -- code for a possible Israeli military strike against Iranian nuclear facilities.¶ The adviser, Dan Senor**, said Romney was not advocating war with Iran, only making clear what the options were should diplomacy fail**. He later sought to clarify his comment by noting Romney hoped diplomatic efforts would succeed.¶ **Romney's stance is "almost identical" to Obama's position**, which seeks increased international pressure on Iran while keeping a military option "on the table," noted Martin Indyk, a former U.S. ambassador to Israel during the Clinton administration who now is foreign policy director at the Brookings Institution.¶ **"It's hard to see what the difference is, since Gov. Romney and his spokesman make it clear that sanctions and negotiations would be tried and force should be kept on the table as a last resort,**" Indyk told CNN on Monday.¶ **Even Romney seemed to recognize the similarity,** telling CNN in an interview broadcast Monday that "**our president has said and I have said that it is unacceptable for Iran to become nuclear."¶ "And that would mean that if all other options were to fail -- and they have not all been exercise**d**, they've not all been executed at their most extreme level -- but if all other options -- diplomatic, political, economic** -- fail, then a military option is one which would be available to the president of the United States," Romney told CNN's Wolf Blitzer.¶ Romney's three-nation trip to key U.S. allies Great Britain, Israel and Poland has shifted the election campaign spotlight to foreign policy, with particular focus on thorny issues such as the Middle East conflict and Iran.¶ While he directly criticized Obama in last week's speech to American war veterans, Romney has avoided similar attacks against the president while on foreign soil. At the same time, he sought to distinguish himself from Obama on some specific issues.¶ For example, **Romney** made a point of calling Jerusalem the capital of Israel, though he **conceded in the interview with CNN that the issue must be resolved through negotiations between Israel and the Palestinians -- the position of Obama and previous presidents**.¶ Romney also made a point in both speeches of calling for a halt of all nuclear enrichment by Iran, aligning himself with Israel's insistence that Iran must have no nuclear capability.¶ To Indyk, that kind of pronouncement was something a candidate can say on the campaign trail that doesn't easily adapt to the realities of complex international negotiations.¶ He noted the United States and its negotiating partners in the so-called P5-plus-1 talks with Iran seek implementation of U.N. Security Council resolutions that call for Iran to cease its enrichment program.¶ While some form of limited enrichment could emerge from negotiations, **the stated policy of the Obama administration for now is the same as what Romney declared, Indyk said.¶ "The view is different from the Oval Office than on the campaign trail," said Indyk,** one of three authors of the recent book "Bending History: Barack Obama's Foreign Policy."¶ "If you're actually trying to negotiate an agreement which secures the bottom line -- that is to say that you put meaningful curbs on Iran's nuclear program such as they cannot procure nuclear weapons -- then you're going to have find some way to get to that," he added.¶ [Panetta begins Middle East tour](http://www.cnn.com/2012/07/29/politics/panetta-middle-east-tour/index.html" \t "_blank)¶ Another issue of contention between the campaigns has been whether the diplomatic efforts that include U.N. and other sanctions have made any progress.¶ Romney's team insists the negotiations and sanctions have proven fruitless and allowed Iran to continue to develop its enrichment capability in recent years.¶ Israeli Prime Minister Benjamin Netanyahu bolstered that argument by saying Sunday that "all the sanctions and diplomacy so far have not set back the Iranian program by one iota."¶ "That's why I believe that we need a strong and credible military threat coupled with the sanctions to have a chance to change that situation," he added.¶ Netanyahu is a longtime friend and former work colleague of Romney, but his relationship with Obama has been rocky. The Obama administration, while maintaining strong support for Israel's military and security, has adopted a more mediating role in the Middle East peace process that has chafed at times.¶ Defense Minister Ehud Barak noted the dynamic in an interview with CNN that was broadcast Monday.¶ "This administration under President Obama is doing in regard to our security more than anything that I can remember in the past," Barak said, later adding "it doesn't mean that we agree on everything."¶ Administration officials argue the president has built the foundation for an international coalition that is increasing pressure on Iran through sanctions.¶ Russia and China have supported Security Council measures against Iran, which was "not an insignificant development," noted Josh Earnest, the principal White House deputy press secretary.¶ Now, Earnest told reporters Monday, the Iranian regime is acknowledging the toll of sanctions and "starting to exhibit some signs of dissent within the ranks."¶ Indyk said Romney can make the point that Iran has made progress on nuclear enrichment despite Obama's diplomatic efforts, "but Obama has made progress against Iran, which I don't think is convenient for the Romney campaign to admit to."¶ He cited European oil sanctions on Iran, something Indyk said would have been "inconceivable" under the past two presidents.¶ Michele Flournoy, a former U.S. Defense Department official who co-chairs the Obama campaign's national security advisory committee, said last week that Pentagon planning for a possible military option in Iran is "incredibly robust."¶ "You look at our force posture in the region -- you know, it is very strong and well positioned," Flournoy told a Brookings Institution event on the candidates' foreign policy positions. "So, the military option is real. The president's judgment is that now is not yet the time, because there is still a chance, with further sanctions biting, for Iran to change its calculus."¶ **Asked how much longer before a military strike might be necessary to prevent Iran from being able to enrich weapons-grade material, Flournoy said the intelligence community believes it will be "a year or more at a minimum**."¶ At the same event, however, Romney's senior adviser for foreign and defense policy said the Obama administration offered "no credible threat of force."¶ "No one in Tehran or in the region feels that the Obama administration will use force," said Rich Williamson, a former ambassador and top official in several Republican administrations.¶ In the Jerusalem speech, **Romney defended a hard-line stance on Iran as a deterrent to war, rather than a desire to start one.¶ "It is sometimes said that those who are the most committed to stopping the Iranian regime from securing nuclear weapons are reckless and provocative and inviting war," he said. "The opposite is true. We are the true peacemakers. History teaches with force and clarity that when the world's most despotic regimes secure the world's most destructive weapons, peace often gives way to oppression, to violence, or to devastating war."**

#### Both candidates have same Iran policy

Miller 12

Aaron David Miller 12, scholar at the Woodrow Wilson International Center, “Barack O'Romney”, May 23, http://www.foreignpolicy.com/articles/2012/05/23/barack\_oromney

It's not only on these core assumptions that the candidates share a broad agreement. **These** principles **translate into specific policies where it would be tough to tell the difference between a Romney and an Obama presidency**: Iran: Sorry, I just don't see any significant difference between the way Obama is handling Iran's nuclear program and the way Romney might as president. And that's because there's seems to be an inexorable arc to the Iranian nuclear problem**.** If by 2013 sanctions and negotiations don't produce a sustainable deal and Iran continues its quest for a nuclear weapon, one of two things is going to happen: Israel is likely to strike, or we will. If it's the former, both Obama and Romney would be there to defend the Israelis and manage the mess that would follow. Both would be prepared to intercede on Israel's behalf if and when it came to that. As for a U.S. strike, it's becoming a bipartisan article of faith that the United States will not permit Iran to acquire a nuclear weapon. And both men are prepared to use military strikes against Iran's nuclear sites as a last resort, even if it only means a delay (and that's what it would mean) in Iran's quest for nukes.

## AT States

#### Perm do both

#### Links as much to politics as the plan- if just funds, still triggers NIMBY links and links to DOD action, doesn’t solve our link turns to why state spending is good

#### Don’t solve

#### States can’t force DoD policy

#### States don’t have legal authority over military bases- they are enclaves

Tymkovich 12

(Seymour, Circuit Judge, “ALLISON v. BOEING LASER TECHNICAL SERVICES” <http://www.leagle.com/xmlResult.aspx?xmldoc=In%20FCO%2020120810042.xml&docbase=CSLWAR3-2007-CURR>, SEH)

Under a body of constitutional law applicable to federal enclaves, U.S. Const. art. I, § 8, cl. 17, state law that is adopted after the creation of the enclave generally does not apply on the enclave. A federal enclave is created when a state cedes jurisdiction over land within its borders to the federal government and Congress accepts that cession. These enclaves include numerous military bases, federal facilities, and even some national forests and parks. Federal enclave doctrine operates as a choice of law doctrine that dictates which law applies to causes of action arising on these lands.¶ It is well-established that after a state has transferred authority over a tract of land creating a federal enclave, the state may no longer impose new state laws on these lands. But state laws enacted before the cession continue to apply unless Congress specifically overrides them. The question here is whether state common law causes of action recognized after the state ceded the enclave to the federal government are available on federal enclaves. This question is governed by a long string of Supreme Court precedent that makes it clear that the law on a federal enclave is the state law that governed the land at the time the federal government established the enclave, not state law enacted thereafter—unless that law was expressly adopted by the enclave's new sovereign, the federal government.

#### If they can get around that proves 50 state fiat is bullshit because allows them to skirt around literature and moot all 1AC offense- voting issue for fairness or at the very least it means we get Perm do the counterplan

### Multiple Condo Bad

#### A. Fairness- No stable 2AC offense can’t game for later in the debate, it’s not reciprocal and it also allows them read opposite positions and use our offense on one against us on the other.

#### B. Education- prevents deep debates, and just has the 2NR go for the argument with the least ink.

#### C. critical thinking- no stable 1NC advocacy, and it’s not real world.

#### D. Rejecting the team is the only way to remedy abuse

### Deployable Soon

#### SMRs are deployable soon because they’re based on current reactor designs and companies are already working on them- that’s U.S. Department of Commerce International Trade Administration 11

#### No R&D needed- plan has the DoD buy existing tech

#### Current SMR technology is well established- Navy ships

Freed 10

(Josh, Director of the Third Way Clean Energy Program, Elizabeth Horwitz is a Policy Advisor at Third Way’s Clean Energy ¶ Program, Jeremy Ershow was formerly a Policy ¶ Advisor at Third Way, “Thinking Small On Nuclear Power” <http://content.thirdway.org/publications/340/Third_Way_Idea_Brief_-_Thinking_Small_On_Nuclear_Power.pdf>, SEH)

The light water technology that current SMRs use is well-established; ¶ American manufacturers have designed and built small, light water reactors for ¶ 60 years to fuel the Navy’s carriers and submarines.¶ 29¶ While advanced reactor ¶ technology is further off, innovation is necessary to complete the transition to ¶ clean energy. Advanced reactor technologies are promising technologies that ¶ we need to invest in today

#### DOE has already laid ground work

Green Car Congress ’12  
(Green Car Congress. DOE Announces Small Modular Reactor Technology Partnerships At Savannah River Site. March 2, 2012. Accessed online September 15, 2012 http://www.greencarcongress.com/2012/03/smr-20120302.html-http://www.greencarcongress.com/2012/03/smr-20120302.html)

The US Energy Department (DOE) and its Savannah River Site (SRS) announced three public-private partnerships to develop deployment plans for small modular nuclear reactor (SMR) technologies at SRS facilities, near Aiken, South Carolina. The DOE has been working to advance SMR systems, which it defines as producing less than 350 MWe. (Earlier post.)¶ As part of the DOE’s commitment to advancing the next-generation of nuclear reactor technologies and breaking down the technical and economic barriers to deployment, these Memorandums of Agreement (MOA) will help leverage Savannah River’s land assets, energy facilities and nuclear expertise to support potential private sector development, testing and licensing of prototype SMR technologies.¶ The Energy Department, Savannah River Site and Savannah River National Laboratory (SRNL) have entered into three separate agreements with Hyperion Power Generation Inc.; SMR, LLC, a subsidiary of Holtec International; and NuScale Power, LLC. The agreements will help these private companies obtain information on potential SMR reactor siting at Savannah River and provide a framework for developing land use and site services agreements to further these efforts.¶ DOE says that by strengthening information sharing and access to site facilities and technical expertise, these MOAs will help break down engineering and testing barriers to advanced nuclear reactor research and development while providing these nuclear companies with the resources to support effective deployment plans.

### 2AC Heidegger

#### We should get to weigh case vs the alt- its key to keep unpredictable philosophic frameworks from mooting the entirety of the 1ac and killing clssh- voter for fairness and education

#### Alt can't result in plan action- key to keep them from mooting the 1ac and forcing us to debate against ourselves, also it would kill clash- voter for fairness and education

#### Perm do plan and the alt

#### Perm do the plan and embrace a cosmo-centric ethic- no reason voting neg or rejecting the aff is key- as a judge, you can recognize the intrinsic value of nature and also think that putting SMRs on

#### World War II proves that attempting to predict the impact of a particular ontology is futile – it cannot explain why modernity produced varying responses to the conflict within the same population from genocidal nationalist militarism to pacificsm.

#### Prior focus on ontology causes paralysis – having “good enough knowledge” is a sufficient condition for action

Kratochwil 8

Kratochwil, professor of international relations – European University Institute, ‘8

(Friedrich, “The Puzzles of Politics,” pg. 200-213)

The lesson seems clear. **Even at the danger of “fuzzy boundaries”, when we deal with “practice**” ( just as with the “pragmatic turn”), **we would be well advised to rely on the use of the term rather than on its reference** (pointing to some property of the object under study), **in order to draw the bounds of sense and understand the meaning of the concept. My argument for the fruitful character of a pragmatic approach in IR,** therefore, **does not depend on a comprehensive mapping of the varieties of research in this area, nor on an arbitrary appropriation or exegesis of any specific and self-absorbed theoretical orientation**. For this reason, in what follows, I will not provide a rigidly specified definition, nor will I refer exclusively to some prepackaged theoretical approach. Instead, **I will sketch out the reasons for which a prag- matic orientation in social analysis seems to hold particular promise**. These reasons pertain both to the more general area of knowledge appropriate for praxis and to the more specific types of investigation in the field. The follow- ing ten points are – without a claim to completeness – intended to engender some critical reflection on both areas.¶ Firstly, **a pragmatic approach does not begin with objects** **or “things” (ontology), or with reason and method (epistemology**), **but with “acting**” (prattein), **thereby preventing some false starts**. Since, **as historical beings placed in a specific situations, we do not have the luxury of deferring decisions until we have found the “truth”, we have to act and must do so always under time pressures and in the face of incomplete information.** Pre- cisely **because the social world is characterised by strategic interactions, what a situation “is”, is hardly ever clear ex ante, because it is being “produced” by the actors and their interactions**, **and the multiple possibilities** are rife with incentives for (dis)information. **This puts a premium on** quick **diagnostic** and cognitive **shortcuts informing actors** about the relevant features of the situ- ation, and on leaving an alternative open (“plan B”) in case of unexpected difficulties. **Instead of** relying on **certainty and universal validity gained through abstraction** and controlled experiments, **we know that completeness and attentiveness to detail**, rather than to generality, **matter**. To that extent, likening practical choices to simple “discoveries” of an already independently existing “reality” which discloses itself to an “observer” – or relying on optimal strategies – is somewhat heroic.¶ These points have been made vividly by “realists” such as Clausewitz in his controversy with von Bülow, in which he criticised the latter’s obsession with a strategic “science” (Paret et al. 1986). While Clausewitz has become an icon for realists, only a few of them (usually dubbed “old” realists) have taken seriously his warnings against the misplaced belief in the reliability and use- fulness of a “scientific” study of strategy. Instead, most of them, especially “neorealists” of various stripes, have embraced the “theory”-building based on the epistemological project as the via regia to the creation of knowledge. A pragmatist orientation would most certainly not endorse such a position.¶ Secondly, **since acting in the social world often involves acting “for” some- one, special responsibilities arise that aggravate both the incompleteness of knowledge as well as its generality problem**. Since we owe special care to those entrusted to us, for example, as teachers, doctors or lawyers, **we cannot just rely on what is generally true, but have to pay special attention to the particular case**. Aside from avoiding the foreclosure of options, **we cannot refuse to act on the basis of incomplete information or insufficient know- ledge**, and the necessary diagnostic will involve typification and comparison, reasoning by analogy rather than generalization or deduction. Leaving out the particularities of a case, be it a legal or medical one, in a mistaken effort to become “scientific” would be a fatal flaw. Moreover, **there still remains the crucial element of “timing” – of knowing when to act**. Students of crises have always pointed out the importance of this factor but, in attempts at building a general “theory” of international politics analogously to the natural sci- ences, such elements are neglected on the basis of the “continuity of nature” and the “large number” assumptions. Besides, “timing” seems to be quite recalcitrant to analytical treatment.

#### Life should be valued as apriori – it precedes the ability to value anything else

Kacou 8

Amien Kacou. 2008. WHY EVEN MIND? On The A Priori Value Of “Life”, Cosmos and History: The Journal of Natural and Social Philosophy, Vol 4, No 1-2 (2008) cosmosandhistory.org/index.php/journal/article/view/92/184

Furthermore, that manner of finding things good that is in pleasure can certainly not exist in any world without consciousness (i.e., without “life,” as we now understand the word)—slight analogies put aside. In fact, we can begin to develop a more sophisticated definition of the concept of “pleasure,” in the broadest possible sense of the word, as follows: it is the common psychological element in all psychological experience of goodness (be it in joy, admiration, or whatever else). In this sense, pleasure can always be pictured to “mediate” all awareness or perception or judgment of goodness: there is pleasure in all consciousness of things good; pleasure is the common element of all conscious satisfaction. In short, it is simply the very experience of liking things, or the liking of experience, in general. In this sense, pleasure is, not only uniquely characteristic of life but also, the core expression of goodness in life—the most general sign or phenomenon for favorable conscious valuation, in other words. This does not mean that “good” is absolutely synonymous with “pleasant”—what we value may well go beyond pleasure. (The fact that we value things needs not be reduced to the experience of liking things.) However, what we value beyond pleasure remains a matter of speculation or theory. Moreover, we note that a variety of things that may seem otherwise unrelated are correlated with pleasure—some more strongly than others. In other words, there are many things the experience of which we like. For example: the admiration of others; sex; or rock-paper-scissors. But, again, what they are is irrelevant in an inquiry on a priori value—what gives us pleasure is a matter for empirical investigation. Thus, we can see now that, in general, something primitively valuable is attainable in living—that is, pleasure itself. And it seems equally clear that we have a priori logical reason to pay attention to the world in any world where pleasure exists. Moreover, we can now also articulate a foundation for a security interest in our life: since the good of pleasure can be found in living (to the extent pleasure remains attainable),[17] and only in living, therefore, a priori, life ought to be continuously (and indefinitely) pursued at least for the sake of preserving the possibility of finding that good. However, this platitude about the value that can be found in life turns out to be, at this point, insufficient for our purposes. It seems to amount to very little more than recognizing that our subjective desire for life in and of itself shows that life has some objective value. For what difference is there between saying, “living is unique in benefiting something I value (namely, my pleasure); therefore, I should desire to go on living,” and saying, “I have a unique desire to go on living; therefore I should have a desire to go on living,” whereas the latter proposition immediately seems senseless? In other words, “life gives me pleasure,” says little more than, “I like life.” Thus, we seem to have arrived at the conclusion that the fact that we already have some (subjective) desire for life shows life to have some (objective) value. But, if that is the most we can say, then it seems our enterprise of justification was quite superficial, and the subjective/objective distinction was useless—for all we have really done is highlight the correspondence between value and desire. Perhaps, our inquiry should be a bit more complex.

#### Nuke war kills plants and animals

Krieger 4/30/12

(David, holds MA and Ph.D. degrees in ¶ political science from the University of Hawaii as well as a J.D. from the Santa Barbara ¶ College of Law, Assistant professor at University of Hawaii, founder of the Nuclear Age Peace Foundation and has served as its ¶ president since 1982. He is a councilor on the World Future Council, chair of the Executive ¶ Committee of the International Network of Engineers and Scientists for Global Responsibility, ¶ and a member of the Executive Committee of the Middle Powers Initiative. “NUCLEAR WEAPONS¶ AND A¶ SUSTAINABLE FUTURE” Nuclear Peace Foundation, <http://www.wagingpeace.org/menu/resources/publications/2012_prepcom.pdf>, SEH)

Nuclear war would preclude a sustainable future. It would destroy the global environment, leading to ¶ the extinction of many forms of plant and animal life. Complex forms of life, such as humans, would be ¶ particularly at risk. A nuclear war fought with existing nuclear arsenals could leave the Earth ¶ uninhabitable for humans. ¶ Leading atmospheric scientists, who warn of the utterly catastrophic effects nuclear war would have ¶ upon global climate and the environment, argue, “The combination of nuclear proliferation, political ¶ instability and urban demographics may constitute one of the greatest dangers to the stability of society ¶ since the dawn of humans. Only abolition of nuclear weapons will prevent a potential nightmare.”¶ 23¶ The ¶ scientists call for immediate reductions in US and Russian arsenals to a few hundred nuclear weapons to ¶ “reduce the possibility of nuclear winter and encourage the rest of the world to continue to work toward ¶ the goal of elimination.”¶ 24¶ ¶ It is necessary to ensure that nuclear weapons will not be used again as instruments of war, risking the ¶ destruction of civilization, nuclear famine and the extinction of most or all humans and other forms of ¶ complex life. Exposing the dangers of launch-on-warning nuclear policies and the dysfunctional and ¶ counterproductive nature of nuclear deterrence theory is essential for awakening policy makers and the ¶ public to the imperative goal of achieving a world free of nuclear weapons. It is a goal that demands ¶ boldness by all who seek a sustainable future for humanity and the planet. The non-nuclear weapon states ¶ that are parties to the Non-Proliferation Treaty have both the right and the responsibility to assert ¶ leadership in assuring that the nuclear weapon states fulfill their obligations for good faith negotiations ¶ for complete nuclear disarmament.

#### Double bind – either the alt does the aff so they link to all of their tech bad arguments, or they don’t which means there are multiple extinction scenarios to the alternative

#### Value to life is subjective- you can’t ethically make the decision for everyone else to go extinct

#### Nuclear war destroys the environment faster

#### Managerialism is necessary to prevent global extinction –processes of environmental destruction are unstoppable without intervention

Levy 99

Dr Neil Levy 1999. Fellow of the Centre for Applied Philosophy and Public Ethics at Charles Sturt University. “Discourses of the Environment” p. 215

If the ‘technological fix’ is unlikely to be more successful than strategies of limitation of our uses of resources, we are nevertheless unable to simply leave the environment as it is. There is a real and pressing need for more, and more accurate, technical and scientific information about the non-human world. For we are faced with a situation in which the processes we have already set in train will continue to impact upon that world, and therefore us, for centuries. It is therefore necessary, not only to stop cutting down the rain forests, but to develop real, concrete proposals for action, to reverse, or at least limit, the effects of our previous interventions. More over, there is another reason why our behaviour towards the non-human cannot simply be a matter of leaving it as it is, at least in so far as our goals are not only environmental but also involve social justice. For if we simply preserve what remains to us of wilderness, of the countryside and of park land, we also preserve patterns of very unequal access to their resources and their consolations (Soper 1995: 207). In fact, we risk exacerbating these inequalities. It is no us, but the poor of Brazil, who will bear the brunt of the misery which would result form a strictly enforced policy of leaving the Amazonian rain forest untouched, in the absence of alternative means of providing for their livelihood. It is the development of policies to provide such ecologically sustainable alternative which we require, as well as the development of technical means for replacing our current greenhouse gas-emitting sources of energy. Such policies and proposals for concrete action must be formulated by ecologists, environmentalist, people with expertise concerning the functioning of ecosystems and the impacts which our actions have upon them. Such proposals are, therefore, very much the province for Foucault’s specific intellectual, the one who works ‘within specific sectors, at the precise points where their won conditions of life or work situate them’ (Foucault 1980g: 126). For who could be more fittingly described as ‘the strategists of life and death’ than these environmentalists? After the end of the Cold War, it is in this sphere, more than any other, that man’s ‘politics places his existence as a living being in question’ (Foucault 1976: 143). For it is in facing the consequences of our intervention in the non-human world that the fate of our species, and of those with whom we share this planet, will be decided.

#### Technological thought has been socialized, internalized, and can’t be eradicated

Leach 3

date page modified (Neil, Professor at the University of Southern California, “Forget Heidegger”, August 15, <http://www.china-designer.com/magazine/leach/txt1.htm>)

Adorno's further example of the car reveals how the **technological has come to colonise our everyday lives not as standing reserve, but as something to which symbolic intention is always already being 'attached'**. The point here is that we have to understand that our engagement with technology involves a moment of 'proprioception'. **Technology may come to operate as a form of 'prosthesis' to the human body that is appropriated such that it becomes part of the motility of the body**. In driving a car we come to navigate the road through that car. As such, the car as an item of technology is not divorced - alienated - from the body. Indeed it becomes a form of extension to that body. What I am arguing here is not some simplistic manifesto for cyborgs, claiming that human beings can become part human and part machine. Rather I am trying to tease out the logic of mimesis itself. For according to this logic, **human beings have absorbed technology at an unconscious level, such that they have come to operate through technology**, as though by way of some tele-kinesis.¶ Not only this, but **technology may actually influence the way that human beings think. It may itself affect our consciousness**. Let us take the example of the computer. For, if as Walter Benjamin once argued, the factory worker in the modernist age comes to absorb the jolting, jarring repetitive action of the machine, such that those movements are appropriated into the worker's own behaviour, so too people today have absorbed the thinking and fluid circuitry behind the computer screen. **New conditions breed new ways of thinking**. As Douglas Rushkoff observes, a new computer generation is emerging. The computer kids of today come to behave like their computers. They identify with them, play with them, and mimic their operations. Analogical reasoning is out. Non-linear, multiple-layered thinking is in - Deleuzian surfing. Fractals, rhizomes and clones, fluidity and flux - these are the buzz words of this new generation. In such a context, those who argue against the use of the computer in the contemporary design studio are failing to address the concrete ontological reality of life today, and are doing no service to the students, for whom knowledge of computer has become a 'given' within the contemporary office. It may be that the still prevalent **antipathy towards digital technology is merely a form of 'denial'**. As in the case of homophobics, who often deny their latent homosexuality, critics of technology may be repressing a secret fascination with technology. An individual 'in denial' may be fascinated by some personal psychic obsession, but, not wishing to acknowledge it, will project that obsession on to some external object, and then criticise it. But **whether this antipathy towards digital technology is a form of repressed fascination or not, it is clearly out of place in what has become a highly digitalised world**.¶ This is not to say that the computer should be accepted unproblematically within the studio. Indeed the lessons of those design schools that have accepted the computer wholesale would seem to indicate that the concerns expressed in The Anaesthetics of Architecture about the potential aestheticisation and hence anaesthetisation of social issues are borne out only too clearly in such contexts. Rather it is a call for a self-critical, theoretically informed engagement with such realms. Theory may be unable in itself to combat the potential problems of aestheticisation. Yet it may provide the first crucial step. **Once a problem has been exposed, one is no longer trapped by that problem.**¶ **The consequences are all too obvious. Not only have we accepted technology as an essential part of our everyday life, such that the distinction once posed between techné and technology seems no longer valid, but our whole existence has become conditioned by technology**. In this new digital age, as Sarah Chaplin argues, we have adopted a form of cybervisuality. An important factor, then, is our interface with that technology. For **technology may take many forms**. Here the question of design becomes crucial. The message of mimesis is not that human beings will adapt to anything, so that design is unimportant, but precisely the opposite. Design becomes an important mechanism for making people feel at one with their world. This relates not simply to whether a piece of technology is itself aesthetically pleasing - as is the case, say, with the iMac computer - , but in the context of digital technology it relates also to the user interface - to software programming and its compatibility with human modes of operation. **Far from engendering alienation, well designed technology has the capacity to overcome alienation**.¶ There was a time when Heideggerian thought made a substantial and noteworthy contribution to architectural culture in challenging the spirit of positivism that was once so pervasive. But now **Heideggerian thinking must not** itself **go unchallenged, in that it threatens to install itself as a set of fixed values out of tune with the fluidity and flux of contemporary society**. And while some would criticise postmodern thought for being relativistic in accommodating plurality and difference, and questioning the ground on which any particular statement is made, the true relativism lies surely in a tradition that forecloses even the possibility of even asking these questions, by doggedly adhering to an out of date set of values, and by failing to engage substantively with any critical discourse.¶ In an increasingly digital world, it is time, it would seem, to adopt a more flexible and tolerant attitude towards digital technology. It is time to break free from the shackles of the past. **It is time**, perhaps, **to forget Heidegger**.

#### The alt is violent, causes passivity, and makes exploitation worse

Graham ‘99

(Phil, Graduate School of Management, University of Queensland, Heidegger’s Hippies: A dissenting voice on the “problem of the subject” in cyberspace, Identities in Action! 1999, <http://www.philgraham.net/HH_conf.pdf>)

Societies should get worried when Wagner’s music becomes popular because it usually means that distorted interpretations of Nietzsche’s philosophy are not far away. Existentialists create problems about what is, especially identity (Heidegger 1947). Existentialism inevitably leads to an authoritarian worldview: this, my Dionysian world of the eternally self-creating, the eternally self-destroying, this mystery world of twofold voluptuous delight, my “beyond good and evil,” without a goal, unless the joy of the circle itself is a goal; without will, unless a ring feels good will towards itself – do you want a name for this world? A solution to all its riddles? A light for you, too, you best-concealed, strongest, most intrepid, most midnightly men? – This world is the will to power – and nothing besides! And you yourselves are also this will to power – and nothing besides! (Nietzsche 1967/1997). Armed with a volume of Nietzsche**,** some considerable oratory skills, several Wagner records, and an existentialist University Rector in the form of Martin Heidegger, Hitler managed some truly astoundingfeats of strategic identity engineering (cf. Bullock, 1991). Upon being appointed to the Freiberg University, Heidegger pronounced the end of thought, history, ideology, and civilisation: ‘No dogmas and ideas will any longer be the laws of your being**.** The Fuhrer himself, and he alone, is the present and future reality for Germany’ (in Bullock 1991: 345). Heidegger signed up to an ideology-free politics: Hitler’s ‘Third Way’ (Eatwell 1997). The idealised identity, the new symbol of mythological worship, Nietzsche’s European Superman, was to rule from that day hence. Hitler took control of the means of propaganda: the media; the means of mental production: the education system; the means of violence: the police, army, and prison system; and pandered to the means of material production: industry and agriculture; and proclaimed a New beginning and a New world order. He ordered Germany to look forward into the next thousand years and forget the past. Heidegger and existentialism remain influential to this day, and history remains bunk (e.g. Giddens4, 1991, Chapt. 2). Giddens’s claims that ‘humans live in circumstances of … existential contradiction’, and that ‘subjective death’ and ‘biological death’ are somehow unrelated, is a an ultimately repressive abstraction: from that perspective, life is merely a series of subjective deaths, as if death were the ultimate motor of life itself (cf. Adorno 1964/1973). History is, in fact, the simple and straightforward answer to the “problem of the subject”. “The problem” is also a handy device for confusing, entertaining, and selling trash to the masses. By emphasising the problem of the ‘ontological self’ (Giddens 1991: 49), informationalism and ‘consumerism’ confines the navel-gazing, ‘narcissistic’ masses to a permanent present which they self-consciously sacrifice for a Utopian future (cf. Adorno 1973: 303; Hitchens 1999; Lasch 1984: 25-59). Meanwhile transnational businesses go about their work, ~~raping~~ [ruining] the environment**;** swindling each other and whole nations**;** and inflicting populations with declining wages, declining working conditions, and declining social security**.** Slavery is once again on the increase (Castells, 1998; Graham, 1999; ILO, 1998). There is no “problem of the subject”, just as there is no “global society”; there is only the mass amnesia of utopian propaganda, the strains of which have historically accompanied revolutions in communication technologies. Each person’s identity is, quite simply, their subjective account of a unique and objective history of interactions within the objective social and material environments they inhabit, create, and inherit. The identity of each person is their most intimate historical information, and they are its material expression: each person is a record of their own history at any given time. Thus, each person is a recognisably material, identifiable entity: an identity**.** This is their condition. People are not theoretical entities; they are people. As such, they have an intrinsic identity with an intrinsic value. No amount of theory or propaganda will make it go away. The widespread multilateral attempts to prop up consumer society and **hypercapitalism** as a valid and useful means of sustainable growth, indeed, as the path to an inevitable, international democratic Utopia, are already showing their disatrous cracks. The “problem” of subjective death threatens to give way, once again, to unprecedented mass slaughter. The numbed condition of a narcissistic society, rooted in a permanent “now”, a blissful state of Heideggerian Dasein, threatens to wake up to a world in which “subjective death” and ontology are the least of all worries.

#### Worst-case scenarios calculate for the sake of responsibility – mobilization is key to effective to political movements that prevent the worst forms of their impact

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(*The Realist Tradition and the Limits of International Relations* p. 165-7)

Moreover, the links between sceptical realism and prevalent post-modern themes go more deeply than this, particularly as they apply to attempts by post-structural thinking to reopen questions of responsibility and ethics.80 In part, the goals of post-structural approaches can be usefully charactised, to borrow Stephen White’s illuminating contrast, as expressions of ‘responsibility to otherness’ which question and challenge modernist equations of responsibility with a ‘responsibility to act’. A responsibility to otherness seeks to reveal and open the constitutive processes and claims of subjects and subjectivities that a foundational modernism has effaced in its narrow identification of responsibility with a ‘responsibility to act’.81 Deconstruction can from this perspective be seen as a principled stance unwilling to succeumb to modernist essentialism which in the name of responsibility assumes and reifies subjects and structures, obscures forms of power and violence which are constitutive of them, and at the same time forecloses a consideration of alternative possibilities and practices. Yet it is my claim that the willful Realist tradition does not lack understanding of the contingency of practice or a vision of responsibility to otherness. On the contrary, its strategy of objectification is precisely an attempt to bring together a responsibility to otherness and a responsibility to act within a wilfully liberal vision. The construction of a realm of objectivity and calculation is not just a consequence of a need to act – the framing of an epistemic context for successful calculation. It is a form of responsibility to otherness, an attempt to allow for diversity and irreconcilability precisely by – at least initially – reducing the self and the other to a structure of material calculation in order to allow a structure of mutual intelligibility, mediation, and stability. It is, in short, a strategy of *limitation*: a wilful attempt to construct a subject and a social world limited – both epistemically and politically – in the name of a politics of toleration: a liberal strategy that John Gray has recently characterized as one of *modus vivendi*.82 If this is the case, then the deconstructive move that gains some of its weight by contrasting itself to a non- or apolitical objectivism must engage with the more complex contrast to a sceptical Realist tradition that is itself a constructed, ethical practice. This issue becomes even more acute if one considers Iver Neumann’s incisive questions concerning postmodern constructions of identity, action, and responsibility.83 As Neumann points out, the insight that identities are inescapably contingent and relationally constructed, and even the claim that identities are inescapably *indebted* to otherness, do not in themselves provide a foundation for practice, particularly in situations where identities are ‘sedimented’ and conflictually defined. In these cases, deconstruction alone will not suffice unless it can demonstrate a capacity to counter in practice and not just in philosophic practice the essentialist dynamics it confronts.84 Here, a responsibility to act must go **beyond** **deconstruction** to consider viable alternatives and counter-practices. To take this critique seriously is not necessarily to be subject yet again to the straightforward ‘blackmail of the Englightenment and a narrow ‘modernist’ vision of responsibility.85 While an unwillingness to move beyond a deconstructive ethic of responsibility to otherness for fear that an essentialist stance is the only (or most likely) alternative expresses a legitimate concern, it should not license a retreat from such questions or their practical demands. Rather, such situations demand also an evaluation of the structures (of identity and institutions) that might viably be mobilized in order to offset the worst implications of violently exclusionary identities. It requires, as Neumann nicely puts it, the generation of compelling ‘as if’ stories around which counter-subjectivities and political practices can coalesce. Wilful Realism, I submit, arises out of an appreciation of these issues, and comprises an attempt to craft precisely such ‘stories’ within a broader intellectual and sociological analysis of their conditions of production, possibilities of success, and likely consequences. The question is, to what extent are these limits capable of success, and to what extent might they be limits upon their own aspirations toward responsibility? These are crucial questions, but they will not be addressed by retreating yet again into further reversals of the same old dicohotomies.

#### The alt is vague and is a voting issue

#### Skews 2AC strategy because it will become more defined in the block or 2nr

#### Makes aff offense impossible because we can never know what the alt is – it’s a voter for fairness and education

### Kritik

#### Anthropocentrism is inevitable and good—the alternative links to the critique and makes it impossible to protect the biosphere.

Grey 1993 — William Grey, Professor of Philosophy at the University of Queensland, 1993 (“Anthropocentrism and Deep Ecology,” *Australiasian Journal of Philosophy*, Volume 71, Number 4, Available Online at http://www.uq.edu.au/~pdwgrey/pubs/anthropocentrism.html, Accessed 07-27-2011)

The attempt to provide a genuinely non-anthropocentric set of values, or preferences seems to be a hopeless quest. Once we eschew all human values, interests and preferences we are confronted with just too many alternatives, as we can see when we consider biological history over a billion year time scale. The problem with the various non-anthropocentric bases for value which have been proposed is that they permit too many different possibilities, not all of which are at all congenial to us. And that matters. We should be concerned to promote a rich, diverse and vibrant biosphere. Human flourishing may certainly be included as a legitimate part of such a flourishing. The preoccupations of deep ecology arise as a result of human activities which impoverish and degrade the quality of the planet's living systems. But these judgements are possible only if we assume a set of values (that is, preference rankings), based on human preferences. We need to reject not anthropocentrism, but a particularly short term and narrow conception of human interests and concerns. What's wrong with shallow views is not their concern about the well-being of humans, but that they do not really consider enough in what that well-being consists. We need to develop an enriched, fortified anthropocentric notion of human interest to replace the dominant short-term, sectional and self-regarding conception. Our sort of world, with our sort of fellow occupants is an interesting and engaging place. There is every reason for us to try to keep it, and ourselves, going for a few more cosmic seconds [10].

#### Even if they win we just cause human death it still outweighs and turns their impact—human moral evolution will inevitably lead to an end to speciesism—If humans survive, we can ensure that animals and the earth survive

J. G. Matheny, Ph. D. candidate, Bloomberg School of Public Health, Johns Hopkins University, December 6, 2007, “Ought we worry about human extinction?,” online: http://jgmatheny.org/extinctionethics.htm

Moral philosophers have not written much about human extinction. This may be because they underestimate the potential benefits of human survival and/or the risks of human extinction. If we survive the next few centuries, humanity could allow Earth-originating life to survive a trillion years or more. If we do not survive, Earth-originating life will probably perish within a billion years. If prolonging the survival of Earth-originating life is morally important, then there may be nothing more important than reducing the near-term risks of human extinction. Keywords: extinction, population ethics, intergenerational justice, catastrophic risk, existential risk, risk analysis, animal welfare, environmental ethics Word count: 3,400 Introduction

It was only in the last century, with the invention of nuclear weapons, that the probability of human extinction could be appreciably affected by human action. Ever since, human extinction has generally been considered a terrible possibility. It’s surprising, then, that a search of JSTOR and the Philosopher’s Index suggests contemporary philosophers have written little about the ethics of human extinction. In fact, they seem to have written more about the extinction of other animals. Maybe this is because they consider human extinction impossible or inevitable; or maybe human extinction seems inconsequential compared to other moral issues.

In this paper I argue that the possibility of human extinction deserves more attention. While extinction events may be very improbable, their consequences are grave. Human extinction would not only condemn to non-existence all future human generations, it would also cut short the existence of all animal life, as natural events will eventually make Earth uninhabitable.The value of future lives. Leslie (1996) suggests philosophers’ nonchalance toward human extinction is due in large part to disagreements in population ethics. Some people suppose it does not matter if the number of lives lived in the future is small -- at its limit, zero.[2] In contrast, I assume here that moral value is a function of both the quality and number of lives in a history.[3] This view is consistent with most people’s intuition about extinction (that it’s bad) and with moral theories under which life is considered a benefit to those who have it, or under which life is a necessary condition for producing things of value (Broome, 2004; Hare, 1993; Holtug 2001, Ng, 1989; Parfit 1984; Sikora, 1978). For instance, some moral theories value things like experiences, satisfied preferences, achievements, friendships, or virtuous acts, which take place only in lives. On this view, an early death is bad (at least in part) because it cuts short the number of these valuable things. Similarly, on this view, an early extinction is bad (at least in part) because it cuts short the number of these valuable things. I think this view is plausible and think our best reasons for believing an early death is bad are our best reasons for believing an early extinction is bad. But such a view is controversial and I will not settle the controversy here.

I start from the premise that we ought to increase moral value by increasing both the quality and number of lives throughout history. I also take it, following Singer (2002), this maxim applies to all sentient beings capable of positive subjective feelings.

Life’s prospectsThe human population is now 6 billion (6 x 109). There are perhaps another trillion (1012) sentient animals on Earth, maybe a few orders more, depending on where sentience begins and ends in the animal kingdom (Gaston, Blackburn, and Goldewijk, 2003; Gaston and Evans, 2004). Animal life has existed on Earth for around 500 million years. Barring a dramatic intervention, all animal life on Earth will die in the next several billion years. Earth is located in a field of thousands of asteroids and comets. 65 million years ago, an asteroid 10 kilometers in size hit the Yucatan , creating clouds of dust and smoke that blocked sunlight for months, probably causing the extinction of 90% of animals, including dinosaurs. A 100 km impact, capable of extinguishing all animal life on Earth, is probable within a billion years (Morrison et al., 2002). If an asteroid does not extinguish all animal life, the Sun will. In one billion years, the Sun will begin its Red Giant stage, increasing in size and temperature. Within six billion years, the Sun will have evaporated all of Earth’s water, and terrestrial temperatures will reach 1000 degrees -- much too hot for amino acid-based life to persist. If, somehow, life were to survive these changes, it will die in 7 billion years when the Sun forms a planetary nebula that irradiates Earth (Sackmann, Boothroyd, Kraemer, 1993; Ward and Brownlee, 2002). Earth is a dangerous place and animal life here has dim prospects. If there are 1012 sentient animals on Earth, only 1021 life-years remain. The only hope for terrestrial sentience surviving well beyond this limit is that some force will deflect large asteroids before they collide with Earth, giving sentients another billion or more years of life (Gritzner and Kahle, 2004); and/or terrestrial sentients will colonize other solar systems, giving sentients up to another 100 trillion years of life until all stars begin to stop shining (Adams and Laughlin, 1997). Life might survive even longer if it exploits non-stellar energy sources. But it is hard to imagine how life could survive beyond the decay of nuclear matter expected in 1032 to 1041 years (Adams and Laughlin, 1997). This may be the upper limit on the future of sentience.[4] Deflecting asteroids and colonizing space could delay the extinction of Earth-originating sentience from 109 to 1041 years. Assuming an average population of one trillion sentients is maintained (which is a conservative assumption under colonization[5]), these interventions would create between 1021 and 1053[billion] life-years. At present on Earth, only a human civilization would be remotely capable of carrying out such projects. If humanity survives the next few centuries, it’s likely we will develop technologies needed for at least one of these projects. We may already possess the technologies needed to deflect asteroids (Gritzner and Kahle, 2004; Urias et al., 1996). And in the next few centuries, we’re likely to develop technologies that allow colonization. We will be strongly motivated by self-interest to colonize space, as asteroids and planets have valuable resources to mine, and as our survival ultimately requires relocating to another solar system (Kargel, 1994; Lewis, 1996). Extinction risks Being capable of preserving sentient life for another 1041 years makes human survival important. There may be nothing more important. If the human species is extinguished, all known sentience and certainly all Earth-originating sentience will be extinguished within a few billion years. We ought then pay more attention to what Bostrom (2002) has called “existential risks” -- risks “where an adverse outcome would either annihilate Earth-originating intelligent life or permanently and drastically curtail its potential.” Such risks include: an asteroid or comet strikes Earth, creating enough debris to shut down photosynthesis for months; a supervolcano erupts, creating enough debris to shut down photosynthesis; a nearby supernova unleashes deadly radiation that reaches Earth; greenhouse gasses cause a radical change in climate; a nuclear holocaust creates enough debris to cause a “nuclear winter,” shutting down photosynthesis; a genetically engineered microbe is unleashed, by accident or design, killing most or all of humanity; or a high-energy physics experiment goes awry, creating a “true” vacuum or strangelets, destroying the Earth (Bostrom 2002; Bostrom and Cirkovic 2006; Leslie 1996, Posner 2004, Rees 2003). To me, most of these risks seem very unlikely. But dishearteningly, in their catalogs of these risks, Britain ’s Astronomer Royal, Sir Martin Rees (2003), gives humanity 50-50 odds of surviving the next few centuries, and philosophers John Leslie (1996) and Nick Bostrom (2002) put our chances at 70% and 75%, respectively.

Estimating the probabilities of unprecedented events is subjective, so we should treat these numbers skeptically. Still, even if the probabilities are orders lower, because the stakes are high, it could be justified to invest in extinction countermeasures. Matheny (2007) found that, even with traditional social discounting, investing in asteroid detection and mitigation is justified under standard cost-effectiveness analysis.Ought humanity be saved? Even accepting that future lives have value and that extinction risks can be cost-effectively reduced, there could still be reasons not to worry about human extinction. For instance, human lives might have negative moral value, in which case human extinction could be a good thing. This might have been Bertrand Russell’s sentiment when he wrote, “Although it is a gloomy view to suppose that life will die out, sometimes when I contemplate the things that people do with their lives I think it is almost a consolation.”[6] In the 20th century, more people, in absolute numbers, died of war, famine, and pestilence than ever before. But in the same century, more people did not die of war, famine, and pestilence than ever before. So even if we're especially pessimistic about average human welfare during the last century compared to others, it would be hard to argue that total welfare decreased. As long as average welfare was greater than zero – that is, the average life was preferable to suicide – then the century was a success for humanity. We will be capable of even greater moral nightmares in this century than in the last, but we will also be capable of securing greater welfare for a larger fraction of humanity. I suspect in this century, the average life will again be worth living, assuming we survive the century to judge. We should be more pessimistic when we review how nonhuman animals have fared in the last century. At present around 50 billion animals are raised and killed each year to feed humanity. (Many million animals are used for clothing, product testing, research, and entertainment, but their numbers are insignificant by comparison.) Since World War 2, with the invention of "factory farming," farm animals’ welfare has significantly deteriorated, as they now live in conditions that frustrate their most basic instincts (Singer, 2002, chapter 3). At the same time, we’re probably the only animal on Earth that routinely demonstrates compassion for other species. Such compassion is nearly universal in developed countries but we usually know too little, too late, for deeply ingrained habits, such as diets, to change. If improvements in other public morals were possible without any significant biological change in human nature, then the same should be true for our treatment of nonhuman animals, though it will take some time.

Even without any change in public morals, it seems unlikely we will continue to use animals for very long – at least, nowhere near 50 billion per year. Our most brutal use of animals results not from sadism but from old appetites now satisfied with **inefficient technologies** that have not fundamentally changed in 10,000 years. Ours is the first century where newer technologies -- plant or in vitro meats, or meat from brainless animals -- could satisfy human appetites for meat more efficiently and safely (Edelman et al, 2005). As these technologies mature and become cheaper, they will likely replace conventional meat. If the use of sentient animals survives much beyond this century, we should be very surprised. This thought is a cure for misanthropy. As long as most humans in the future don't use sentient animals, the vast number of good lives we can create would outweigh any sins humanity has committed or is likely to commit. Even if it takes a century for animal farming to be replaced by vegetarianism (or in vitro meats or brainless farm animals), the century of factory farming would represent around 1012 miserable life-years. That is one-billionth of the 1021 animal life-years humanity could save by protecting Earth from asteroids for a billion years. The century of industrialized animal use would thus be the equivalent of a terrible pain that lasts one second in an otherwise happy 100-year life. To accept human extinction now would be like committing suicide to end an unpleasant itch. If human life is extinguished, all known animal life will be extinguished when the Sun enters its Red Giant phase, if not earlier. Despite its current mistreatment of other animals, humanity is the animal kingdom’s best long-term hope for survival.