# 1AC

## plan

#### The United States Federal Government should obtain, through alternative financing, electricity from small modular reactors for military facilities in the United States.

## 1ac – adv

#### Contention one is climate

#### SMR-based nuclear power is safe and solves warming—it’s key to a global nuclear renaissance.

Michael Shellenberger 12, founder of the Breakthrough Institute, graduate of Earlham College and holds a masters degree in cultural anthropology from the University of California, Santa Cruz, "New Nukes: Why We Need Radical Innovation to Make New Nuclear Energy Cheap", September 11, http://thebreakthrough.org/index.php/programs/energy-and-climate/new-nukes/

Arguably, the biggest impact of Fukushima on the nuclear debate, ironically, has been to force a growing number of pro-nuclear environmentalists out of the closet, including us. The reaction to the accident by anti-nuclear campaigners and many Western publics put a fine point on the gross misperception of risk that informs so much anti-nuclear fear. Nuclear remains the only proven technology capable of reliably generating zero-carbon energy at a scale that can have any impact on global warming. Climate change -- and, for that matter, the enormous present-day health risks associated with burning coal, oil, and gas -- simply dwarf any legitimate risk associated with the operation of nuclear power plants. About 100,000 people die every year due to exposure to air pollutants from the burning of coal. By contrast, about 4,000 people have died from nuclear energy -- ever -- almost entirely due to Chernobyl. But rather than simply lecturing our fellow environmentalists about their misplaced priorities, and how profoundly inadequate present-day renewables are as substitutes for fossil energy, we would do better to take seriously the real obstacles standing in the way of a serious nuclear renaissance. Many of these obstacles have nothing to do with the fear-mongering of the anti-nuclear movement or, for that matter, the regulatory hurdles imposed by the U.S. Nuclear Regulatory Commission and similar agencies around the world. As long as nuclear technology is characterized by enormous upfront capital costs, it is likely to remain just a hedge against overdependence on lower-cost coal and gas, not the wholesale replacement it needs to be to make a serious dent in climate change. Developing countries need large plants capable of bringing large amounts of new power to their fast-growing economies. But they also need power to be cheap. So long as coal remains the cheapest source of electricity in the developing world, it is likely to remain king. The most worrying threat to the future of nuclear isn't the political fallout from Fukushima -- it's economic reality. Even as new nuclear plants are built in the developing world, old plants are being retired in the developed world. For example, Germany's plan to phase-out nuclear simply relies on allowing existing plants to be shut down when they reach the ends of their lifetime. Given the size and cost of new conventional plants today, those plants are unlikely to be replaced with new ones. As such, the combined political and economic constraints associated with current nuclear energy technologies mean that nuclear energy's share of global energy generation is unlikely to grow in the coming decades, as global energy demand is likely to increase faster than new plants can be deployed. To move the needle on nuclear energy to the point that it might actually be capable of displacing fossil fuels, we'll need new nuclear technologies that are cheaper and smaller. Today, there are a range of nascent, smaller nuclear power plant designs, some of them modifications of the current light-water reactor technologies used on submarines, and others, like thorium fuel and fast breeder reactors, which are based on entirely different nuclear fission technologies. Smaller, modular reactors can be built much faster and cheaper than traditional large-scale nuclear power plants. Next-generation nuclear reactors are designed to be incapable of melting down, produce drastically less radioactive waste, make it very difficult or impossible to produce weapons grade material, use less water, and require less maintenance. Most of these designs still face substantial technical hurdles before they will be ready for commercial demonstration. That means a great deal of research and innovation will be necessary to make these next generation plants viable and capable of displacing coal and gas. The United States could be a leader on developing these technologies, but unfortunately U.S. nuclear policy remains mostly stuck in the past. Rather than creating new solutions, efforts to restart the U.S. nuclear industry have mostly focused on encouraging utilities to build the next generation of large, light-water reactors with loan guarantees and various other subsidies and regulatory fixes. With a few exceptions, this is largely true elsewhere around the world as well. Nuclear has enjoyed bipartisan support in Congress for more than 60 years, but the enthusiasm is running out. The Obama administration deserves credit for authorizing funding for two small modular reactors, which will be built at the Savannah River site in South Carolina. But a much more sweeping reform of U.S. nuclear energy policy is required. At present, the Nuclear Regulatory Commission has little institutional knowledge of anything other than light-water reactors and virtually no capability to review or regulate alternative designs. This affects nuclear innovation in other countries as well, since the NRC remains, despite its many critics, the global gold standard for thorough regulation of nuclear energy. Most other countries follow the NRC's lead when it comes to establishing new technical and operational standards for the design, construction, and operation of nuclear plants. What's needed now is a new national commitment to the development, testing, demonstration, and early stage commercialization of a broad range of new nuclear technologies -- from much smaller light-water reactors to next generation ones -- in search of a few designs that can be mass produced and deployed at a significantly lower cost than current designs. This will require both greater public support for nuclear innovation and an entirely different regulatory framework to review and approve new commercial designs. In the meantime, developing countries will continue to build traditional, large nuclear power plants. But time is of the essence. With the lion's share of future carbon emissions coming from those emerging economic powerhouses, the need to develop smaller and cheaper designs that can scale faster is all the more important. A true nuclear renaissance can't happen overnight. And it won't happen so long as large and expensive light-water reactors remain our only option. But in the end, there is no credible path to mitigating climate change without a massive global expansion of nuclear energy. If you care about climate change, nothing is more important than developing the nuclear technologies we will need to get that job done.

#### Plan results in global SMR exports – massively reduces emissions.

Rosner 11

Robert Rosner, Stephen Goldberg, Energy Policy Institute at Chicago, The Harris School of Public Policy Studies, November 2011, SMALL MODULAR REACTORS –KEY TO FUTURE NUCLEAR POWER GENERATION IN THE U.S., <https://epic.sites.uchicago.edu/sites/epic.uchicago.edu/files/uploads/EPICSMRWhitePaperFinalcopy.pdf>

As stated earlier, **SMRs have the potential to achieve significant greenhouse gas emission reductions**. They could provide alternative baseload power generation to **facilitate the retirement of older,** smaller, and less efficient **coal generation plants** that would, otherwise, not be good candidates for retrofitting carbon capture and storage technology. **They could be deployed in regions of the U.S. and the world that have less potential for other forms of carbon-free electricity**, such as solar or wind energy. There may be technical or market constraints, such as projected electricity demand growth and transmission capacity, which would support SMR deployment but not GW-scale LWRs. From the on-shore manufacturing perspective, a key point is that the manufacturing base needed for **SMRs can be developed domestically**. Thus, while the large commercial LWR industry is seeking to transplant portions of its supply chain from current foreign sources to the U.S., the SMR industry offers the potential to establish a large domestic manufacturing base building upon already existing U.S. manufacturing infrastructure and capability, **including the Naval shipbuilding and underutilized domestic nuclear component and equipment plants**. The study team learned that a number of sustainable domestic jobs could be created – that is, the full panoply of design, manufacturing, supplier, and construction activities – if the U.S. can establish itself as a credible and substantial designer and manufacturer of SMRs. While many SMR technologies are being studied around the world, **a strong U.S. commercialization program can enable U.S. industry to be first to market SMRs, thereby serving as a fulcrum for export growth as well as a lever in influencing international decisions on deploying both nuclear reactor and nuclear fuel cycle technology. A viable U.S.-centric SMR industry would enable the U.S. to recapture technological leadership in commercial nuclear technology, which has been lost to suppliers** in France, Japan, Korea, Russia, and, now rapidly emerging, China.

#### DOD is critical to mass adoption and commercialization

Andres and Breetz 11

Richard Andres, Professor of National Security Strategy at the National War College and a Senior Fellow and Energy and Environmental Security and Policy Chair in the Center for Strategic Research, Institute for National Strategic Studies, at the National Defense University, and Hanna Breetz, doctoral candidate in the Department of Political Science at The Massachusetts Institute of Technology, Small Nuclear Reactorsfor Military Installations:Capabilities, Costs, andTechnological Implications, [www.ndu.edu/press/lib/pdf/StrForum/SF-262.pdf](http://www.ndu.edu/press/lib/pdf/StrForum/SF-262.pdf)

Thus far, this paper has reviewed two of DOD’s most pressing energy vulnerabilities—grid insecurity and fuel convoys—and explored how they could be addressed by small reactors. We acknowledge that there are many uncertainties and risks associated with these reactors. On the other hand, failing to pursue these technologies raises its own set of risks for DOD, which we review in this section: first, small reactors may fail to be commercialized in the United States; second, the designs that get locked in by the private market may not be optimal for DOD’s needs; and third, expertise on small reactors may become concentrated in foreign countries. By taking an early “first mover” role in the small reactor market, DOD could mitigate these risks and secure the long-term availability and appropriateness of these technologies for U.S. military applications. The “Valley of Death.” Given the promise that small reactors hold for military installations and mobility, DOD has a compelling interest in ensuring that they make the leap from paper to production. However, if DOD does not provide an initial demonstration and market, there is a chance that the U.S. small reactor industry may never get off the ground. The leap from the laboratory to the marketplace is so difficult to bridge that it is widely referred to as the “Valley of Death.” Many promising technologies are never commercialized due to a variety of market failures— including technical and financial uncertainties, information asymmetries, capital market imperfections, transaction costs, and environmental and security externalities— that impede financing and early adoption and can lock innovative technologies out of the marketplace. 28 In such cases, the Government can help a worthy technology to bridge the Valley of Death by accepting the first mover costs and demonstrating the technology’s scientific and economic viability.29 [FOOTNOTE 29: There are numerous actions that the Federal Government could take, such as conducting or funding research and development, stimulating private investment, demonstrating technology, mandating adoption, and guaranteeing markets. Military procurement is thus only one option, but it has often played a decisive role in technology development and is likely to be the catalyst for the U.S. small reactor industry. See Vernon W. Ruttan, Is War Necessary for Economic Growth? (New York: Oxford University Press, 2006); Kira R. Fabrizio and David C. Mowery, “The Federal Role in Financing Major Inventions: Information Technology during the Postwar Period,” in Financing Innovation in the United States, 1870 to the Present, ed. Naomi R. Lamoreaux and Kenneth L. Sokoloff (Cambridge, MA: The MIT Press, 2007), 283–316.] Historically, nuclear power has been “the most clear-cut example . . . of an important general-purpose technology that in the absence of military and defense related procurement would not have been developed at all.”30 **Government involvement is likely to be crucial for innovative, next-generation nuclear technology** as well. Despite the widespread revival of interest in nuclear energy, Daniel Ingersoll has argued that radically innovative designs face an uphill battle, as “the high capital cost of nuclear plants and the painful lessons learned during the first nuclear era have created a prevailing fear of first-of-a-kind designs.”31 In addition, Massachusetts Institute of Technology reports on the Future of Nuclear Power called for the Government to provide modest “first mover” assistance to the private sector due to several barriers that have hindered the nuclear renaissance, such as securing high up-front costs of site-banking, gaining NRC certification for new technologies, and demonstrating technical viability.32 It is possible, of course, that small reactors will achieve commercialization without DOD assistance. As discussed above, they have garnered increasing attention in the energy community. Several analysts have even argued that small reactors could play a key role in the second nuclear era, given that they may be the only reactors within the means of many U.S. utilities and developing countries.33 However, given the tremendous regulatory hurdles and technical and financial uncertainties, it appears far from certain that the U.S. small reactor industry will take off. If DOD wants to ensure that small reactors are available in the future, then it should pursue a leadership role now. Technological Lock-in. A second risk is that if small reactors do reach the market without DOD assistance, the designs that succeed may not be optimal for DOD’s applications. Due to a variety of positive feedback and increasing returns to adoption (including demonstration effects, technological interdependence, network and learning effects, and economies of scale), the designs that are initially developed can become “locked in.”34 Competing designs—even if they are superior in some respects or better for certain market segments— can face barriers to entry that lock them out of the market. If DOD wants to ensure that its preferred designs are not locked out, then it should take a first mover role on small reactors. It is far too early to gauge whether the private market and DOD have aligned interests in reactor designs. On one hand, Matthew Bunn and Martin Malin argue that what the world needs is cheaper, safer, more secure, and more proliferation-resistant nuclear reactors; presumably, many of the same broad qualities would be favored by DOD.35 There are many varied market niches that could be filled by small reactors, because there are many different applications and settings in which they can be used, and it is quite possible that some of those niches will be compatible with DOD’s interests.36 On the other hand, DOD may have specific needs (transportability, for instance) that would not be a high priority for any other market segment. Moreover, while DOD has unique technical and organizational capabilities that could enable it to pursue more radically innovative reactor lines, DOE has indicated that it will focus its initial small reactor deployment efforts on LWR designs.37 **If DOD wants to ensure that its preferred reactors are developed and available in the future, it should take a leadership role now**. Taking a first mover role does not necessarily mean that DOD would be “picking a winner” among small reactors, as the market will probably pursue multiple types of small reactors. Nevertheless, **DOD leadership would likely have a profound effect on the industry’s timeline and trajectory.** Domestic Nuclear Expertise. From the perspective of larger national security issues, if DOD does not catalyze the small reactor industry, there is a risk that expertise in small reactors could become dominated by foreign companies. A 2008 Defense Intelligence Agency report warned that the United States will become totally dependent on foreign governments for future commercial nuclear power unless the military acts as the prime mover to reinvigorate this critical energy technology with small, distributed power reactors.38 Several of the most prominent small reactor concepts rely on technologies perfected at Federally funded laboratories and research programs, including the Hyperion Power Module (Los Alamos National Laboratory), NuScale (DOE-sponsored research at Oregon State University), IRIS (initiated as a DOE-sponsored project), Small and Transportable Reactor (Lawrence Livermore National Laboratory), and Small, Sealed, Transportable, Autonomous Reactor (developed by a team including the Argonne, Lawrence Livermore, and Los Alamos National Laboratories). However, there are scores of competing designs under development from over a dozen countries. If DOD does not act early to support the U.S. small reactor industry, there is a chance that the industry could be dominated by foreign companies. Along with other negative consequences, the decline of the U.S. nuclear industry decreases the NRC’s influence on the technology that supplies the world’s rapidly expanding demand for nuclear energy. Unless U.S. companies begin to retake global market share, in coming decades France, China, South Korea, and Russia will dictate standards on nuclear reactor reliability, performance, and **proliferation resistance**.

#### Warming is real, anthropogenic, and causes mass death

Deibel 7(Terry L, Professor of IR @ National War College, “Foreign Affairs Strategy: Logic for American Statecraft”, Conclusion: American Foreign Affairs Strategy Today)

Finally, there is one major existential threat to American security (as well as prosperity) of a nonviolent nature, which, though far in the future, demands urgent action. It is the threat of global warming to the stability of the climate upon which all earthly life depends. Scientists worldwide have been observing the gathering of this threat for three decades now, and what was once a mere possibility has passed through probability to near certainty. Indeed not one of more than 900 articles on climate change published in refereed scientific journals from 1993 to 2003 doubted that anthropogenic warming is occurring. “In legitimate scientific circles,” writes Elizabeth Kolbert, “it is virtually impossible to find evidence of disagreement over the fundamentals of global warming.” Evidence from a vast international scientific monitoring effort accumulates almost weekly, as this sample of newspaper reports shows: an international panel predicts “brutal droughts, floods and violent storms across the planet over the next century”; climate change could “literally alter ocean currents, wipe away huge portions of Alpine Snowcaps and aid the spread of cholera and malaria”; “glaciers in the Antarctic and in Greenland are melting much faster than expected, and…worldwide, plants are blooming several days earlier than a decade ago”; “rising sea temperatures have been accompanied by a significant global increase in the most destructive hurricanes”; “NASA scientists have concluded from direct temperature measurements that 2005 was the hottest year on record, with 1998 a close second”; “Earth’s warming climate is estimated to contribute to more than 150,000 deaths and 5 million illnesses each year” as disease spreads; “widespread bleaching from Texas to Trinidad…killed broad swaths of corals” due to a 2-degree rise in sea temperatures. “The world is slowly disintegrating,” concluded Inuit hunter Noah Metuq, who lives 30 miles from the Arctic Circle. “They call it climate change…but we just call it breaking up.” From the founding of the first cities some 6,000 years ago until the beginning of the industrial revolution, carbon dioxide levels in the atmosphere remained relatively constant at about 280 parts per million (ppm). At present they are accelerating toward 400 ppm, and by 2050 they will reach 500 ppm, about double pre-industrial levels. Unfortunately, atmospheric CO2 lasts about a century, so there is no way immediately to reduce levels, only to slow their increase, we are thus in for significant global warming; the only debate is how much and how serious the effects will be. As the newspaper stories quoted above show, we are already experiencing the effects of 1-2 degree warming in more violent storms, spread of disease, mass die offs of plants and animals, species extinction, and threatened inundation of low-lying countries like the Pacific nation of Kiribati and the Netherlands at a warming of 5 degrees or less the Greenland and West Antarctic ice sheets could disintegrate, leading to a sea level of rise of 20 feet that would cover North Carolina’s outer banks, swamp the southern third of Florida, and inundate Manhattan up to the middle of Greenwich Village. Another catastrophic effect would be the collapse of the Atlantic thermohaline circulation that keeps the winter weather in Europe far warmer than its latitude would otherwise allow. Economist William Cline once estimated the damage to the United States alone from moderate levels of warming at 1-6 percent of GDP annually; severe warming could cost 13-26 percent of GDP. But the most frightening scenario is runaway greenhouse warming, based on positive feedback from the buildup of water vapor in the atmosphere that is both caused by and causes hotter surface temperatures. Past ice age transitions, associated with only 5-10 degree changes in average global temperatures, took place in just decades, even though no one was then pouring ever-increasing amounts of carbon into the atmosphere. Faced with this specter, the best one can conclude is that “humankind’s continuing enhancement of the natural greenhouse effect is akin to playing Russian roulette with the earth’s climate and humanity’s life support system. At worst, says physics professor Marty Hoffert of New York University, “we’re just going to burn everything up; we’re going to heat the atmosphere to the temperature it was in the Cretaceous when there were crocodiles at the poles, and then everything will collapse.” During the Cold War, astronomer Carl Sagan popularized a theory of nuclear winter to describe how a thermonuclear war between the Untied States and the Soviet Union would not only destroy both countries but possibly end life on this planet. Global warming is the post-Cold War era’s equivalent of nuclear winter at least as serious and considerably better supported scientifically. Over the long run it puts dangers from terrorism and traditional military challenges to shame. It is a threat not only to the security and prosperity to the United States, but potentially to the continued existence of life on this planet.

#### Positive feedbacks will overwhelm natural carbon sinks

James w. **Kirchner 2**, professor of Earth and Planetary Science at Berkeley, “The Gaia Hypothesis: Fact, Theory, And Wishful Thinking”, <http://seismo.berkeley.edu/~kirchner/reprints/2002_55_Kirchner_gaia.pdf>

Do biological feedbacks stabilize, or destabilize, the global environment? That is, is the ‘Homeostatic Gaia’ hypothesis correct? This is not just a matter for theoretical speculation; there is a large and growing body of information that provides an empirical basis for evaluating this question. Biogeochemists have documented and quantified many important atmosphere-biosphere linkages (particularly those associated with greenhouse gas emissions and global warming), with the result that one can estimate the sign, and sometimes the magnitude, of the resulting feedbacks. Such analyses are based on three types of evidence: biological responses to plotscale experimental manipulations of temperature and/or CO2 concentrations (e.g., Saleska et al., 1999), computer simulations of changes in vegetation community structure (e.g., Woodward et al., 1998), and correlations between temperature and atmospheric concentrations in long-term data sets (e.g., Tans et al., 1990; Keeling et al., 1996a; Petit et al., 1999). Below, I briefly summarize some of the relevant biological feedbacks affecting global warming; more detailed explanations, with references to the primary literature, can be found in reviews by Lashof (1989), Lashof et al. (1997) and Woodwell et al. (1998): Increased atmospheric CO2 concentrations stimulate increased photosynthesis, leading to carbon sequestration in biomass (negative feedback). Warmer temperatures increase soil respiration rates, releasing organic carbon stored in soils (positive feedback). Warmer temperatures increase fire frequency, leading to net replacement of older, larger trees with younger, smaller ones, resulting in net release of carbon from forest biomass (positive feedback). Warming may lead to drying, and thus sparser vegetation and increased desertification, in mid-latitudes, increasing planetary albedo and atmospheric dust concentrations (negative feedback). Conversely, higher atmospheric CO2 concentrations may increase drought tolerance in plants, potentially leading to expansion of shrublands into deserts, thus reducing planetary albedo and atmospheric dust concentrations (positive feedback). Warming leads to replacement of tundra by boreal forest, decreasing planetary albedo (positive feedback). Warming of soils accelerates methane production more than methane consumption, leading to net methane release (positive feedback). Warming of soils accelerates N20 production rates (positive feedback). Warmer temperatures lead to release of CO2 and methane from high-latitude peatlands (positive, potentially large, feedback). This list of feedbacks is not comprehensive, but I think it is sufficient to cast considerable doubt on the notion that biologically mediated feedbacks are necessarily (or even typically) stabilizing. As Lashof et al. (1997) conclude, ‘While the processes involved are complex and there are both positive and negative feedback loops, it appears likely that the combined effect of the feedback mechanisms reviewed here will be to amplify climate change relative to current projections, perhaps substantially. . . The risk that biogeochemical feedbacks could substantially amplify global warming has not been adequately considered by the scientific or the policymaking communities’. Most of the work to date on biological climate feedbacks has focused on terrestrial ecosystems and soils; less is known about potential biological feedbacks in the oceans. One outgrowth of the Gaia hypothesis has been the suggestion that oceanic phytoplankton might serve as a planetary thermostat by producing dimethyl sulfide (DMS), a precursor for cloud condensation nuclei, in response to warming (Charlson et al., 1987). Contrary to this hypothesis, paleoclimate data now indicate that to the extent that there is such a marine biological thermostat, it is hooked up backwards, making the planet colder when it is cold and warmer when it is warm (Legrand et al., 1988; Kirchner, 1990; Legrand et al., 1991). It now appears that DMS production in the Southern Ocean may be controlled by atmospheric dust, which supplies iron, a limiting nutrient (Watson et al., 2000). The Antarctic ice core record is consistent with this view, showing greater deposition of atmospheric dust during glacial periods, along with higher levels of DMS proxy compounds, lower concentrations of CO2 and CH4, and lower temperatures (Figure 1). Watson and Liss (1998) conclude, ‘It therefore seems very likely that, both with respect to CO2 and DMS interactions, the marine biological changes which occurred across the last glacial-interglacial transition were both positive feedbacks’. This example illustrates how the Gaia hypothesis can motivate interesting and potentially important research, even if, as in this case, the hypothesis itself turns out to be incorrect. But it is one thing to view Gaia as just a stimulus for research, and quite another to view it as ‘the essential theoretical basis for the putative profession of planetary medicine’ (Lovelock, 1986). To the extent that the Gaia hypothesis posits that biological feedbacks are typically stabilizing, it is contradicted both by the ice core records and by the great majority of the climate feedback research summarized above. Given the available evidence that biological feedbacks are often destabilizing, it would be scientifically unsound – and unwise as a matter of public policy – to assume that biological feedbacks will limit the impact of anthropogenic climate change. As Woodwell et al. (1998) have put it, ‘The biotic feedback issue, critical as it is, has been commonly assumed to reduce the accumulation of heat trapping gases in the atmosphere, not to amplify the trend. The assumption is serious in that the margin of safety in allowing a warming to proceed may be substantially less than has been widely believed’.

#### Adopting a mindset of scientific inquiry for climate change makes sense because it’s a phenomenon uniquely suited to an empiricist methodology

Jean **Bricmont 1**, professor of theoretical physics at the University of Louvain, “Defense of a Modest Scientific Realism”, September 23, <http://www.physics.nyu.edu/faculty/sokal/bielefeld_final.pdf>

Given that instrumentalism is not defensible when it is formulated as a rigid doctrine, and since redefining truth leads us from bad to worse, what should one do? A hint of one sensible response is provided by the following comment of Einstein: Science without epistemology is insofar as it is thinkable at all primitive and muddled. However, no sooner has the epistemologist, who is seeking a clear system, fought his way through such a system, than he is inclined to interpret the thought-content of science in the sense of his system and to reject whatever does not fit into his system. The scientist, however, cannot afford to carry his striving epistemological systematic that far. ... He therefore must appeal to the systematic epistemologist as an unscrupulous opportunist.'1'1 So let us try epistemological opportunism. We are, in some sense, "screened'' from reality (we have no immediate access to it, radical skepticism cannot be refuted, etc.). There are no absolutely secure foundations on which to base our knowledge. Nevertheless, we all assume implicitly that we can obtain some reasonably reliable knowledge of reality, at least in everyday life. Let us try to go farther, putting to work all the resources of our fallible and finite minds: observations, experiments, reasoning. And then let us see how far we can go. In fact, the most surprising thing, shown by the development of modern science, is how far we seem to be able to go. Unless one is a solipsism or a radical skeptic which nobody really is one has to be a realist about something: about objects in everyday life, or about the past, dinosaurs, stars, viruses, whatever. But there is no natural border where one could somehow radically change one's basic attitude and become thoroughly instrumentalist or pragmatist (say. about atoms or quarks or whatever). There are many differences between quarks and chairs, both in the nature of the evidence supporting their existence and in the way we give meaning to those words, but they are basically differences of degree. Instrumentalists are right to point out that the meaning of statements involving unobservable entities (like "quark'') is in part related to the implications of such statements for direct observations. But only in part: though it is difficult to say exactly how we give meaning to scientific expressions, it seems plausible that we do it by combining direct observations with mental pictures and mathematical formulations, and there is no good reason to restrict oneself to only one of these. Likewise, conventionalists like Poincare are right to observe that some scientific "choices", like the preference for inertial over noninertial reference frames, are made for pragmatic rather than objective reasons. In all these senses, we have to be epistemological "opportunists". But a problem worse than the disease arises when any of these ideas are taken as rigid doctrines replacing 'realism". A friend of ours once said: "I am a naive realist. But I admit that knowledge is difficult." This is the root of the problem. Knowing how things really are is the goal of science; this goal is difficult to reach, but not impossible (at least for some parts of reality and to some degrees of approximation). If we change the goal if, for example, we seek instead a consensus, or (less radically) aim only at empirical adequacy then of course things become much easier; but as Bert rand Russell observed in a similar context, this has all the advantages of theft over honest toil. Moreover, the underdetermination thesis, far from undermining scientific objectivity, actually makes the success of science all the more remarkable. Indeed, what is difficult is not to find a story that "fits the data'\*, but to find even one non-crazy such story. How does one know that it is non-crazy7 A combination of factors: its predictive power, its explanatory value, its breadth and simplicity, etc. Nothing in the (Quinean) underdetermiiiation thesis tells us how to find inequivalent theories with some or all of these properties. In fact, there are vast domains in physics, chemistry and biology where there is only one"18 known non-crazy theory that accounts for Unknown facts and where many alternative theories have been tried and failed because their predictions contradicted experiments. In those domains, one can reasonably think that our present-day theories are at least approximately true, in some sense or other. An important (and difficult) problem for the philosophy of science is to clarify the meaning of “approximately true'" and its implications for the ontological status of unobservable theoretical entities. We do not claim to have a solution to this problem, but we would like to offer a few ideas that might prove useful.

#### We are not science, we use science – our method is the same one everyone inevitably uses on a day-to-day basis, just more rigorous

Jean **Bricmont 1**, professor of theoretical physics at the University of Louvain, “Defense of a Modest Scientific Realism”, September 23, <http://www.physics.nyu.edu/faculty/sokal/bielefeld_final.pdf>

So, how does one obtain evidence concerning the truth or falsity of scientific assertions? By the same imperfect methods that we use to obtain evidence about empirical assertions generally. Modern science, in our view, is nothing more or less than the deepest (to date) refinement of the rational attitude toward investigating any question about the world, be it atomic spectra, the etiology of smallpox, or the Bielefeld bus routes. Historians, detectives and plumbers indeed, all human beings use the same basic methods of induction, deduction and assessment of evidence as do physicists or biochemists.18 Modern science tries to carry out these operations in a more careful and systematic way, by using controls and statistical tests, insisting on replication, and so forth. Moreover, scientific measurements are often much more precise than everyday observations; they allow us to discover hitherto unknown phenomena; and scientific theories often conflict with "common sense'\*. But [he con f I id is al the level of conclusions, nol (he basic approach. As Susan Haack lucidly observes: Our standards of what constitutes good, honest, thorough inquiry and what constitutes good, strong, supportive evidence are not internal to science. In judging where science has succeeded and where it has failed, in what areas and at what times it has done better and in what worse, we are appealing to the standards by which we judge the solidity of empirical beliefs, or the rigor and thoroughness of empirical inquiry, generally.1'1 Scientists' spontaneous epistemology the one that animates their work, regardless of what they may say when philosophizing is thus a rough-and-ready realism: the goal of science is to discover (some aspects of) how things really are. More The aim of science is to give a true (or approximately true) description of reality. I'll is goal is realizable, because: 1. Scientific theories are either true or false. Their truth (or falsity) is literal, not metaphorical; it does not depend in any way on us, or on how we test those theories, or on the structure of our minds, or on the society within which we live, and so on. 2. It is possible to have evidence for the truth (or falsity) of a theory. (Tt remains possible, however, that all the evidence supports some theory T, yet T is false.)20 Tin- most powerful objections to the viability of scientific realism consist in various theses showing that theories are underdetermined by data.21 In its most common formulation, the underdetermination thesis says that, for any finite (or even infinite) set of data, there are infinitely many mutually incompatible theories that are "compatible'' with those data. This thesis, if not properly understood22, can easily lead to radical conclusions. The biologist who believes that a disease is caused by a virus presumably does so on the basis of some "evidence" or some "data'\*. Saying that a disease is caused by a virus presumably counts as a "theory'' (e.g. it involves, implicitly, many counlerfactual statements). But if there are really infinitely many distinct theories that are compatible with those "data", then we may legitimately wonder on what basis one can rationally choose between those theories. In order to clarify the situation, it is important to understand how the underdetermination thesis is established; then its meaning and its limitations become much clearer. Here are some examples of how underdeterminatiou works; one may claim that: The past did not exist: the universe was created five minutes ago along with all the documents and all our memories referring to the alleged past in their present state. Alternatively, it could have been created 100 or 1000 years ago. The stars do not exist: instead, there are spots on a distant sky that emit exactly the same signals as those we receive. All criminals ever put in jail were innocent. For each alleged criminal, explain away all testimony by a deliberate desire to harm the accused; declare that all evidence was fabricated by the police and that all confessions were obtained bv force.2'1 Of course, all these "theses'1 may have to be elaborated, but the basic idea is clear: given any set of facts, just make up a story, no matter how ad hoc, to "account" for the facts without running into contradictions.2,1 It is important to realize that this is all there is to the general (Quinean) underdetermination thesis. Moreover, this thesis, although it played an important role in the refutation of the most extreme versions of logical positivism, is not very different from the observation that radical skepticism or even solipsism cannot be refuted: all our knowledge about the world is based on some sort of inference from the observed to the unobserved, and no such inference can be justified by deductive logic alone. However, it is clear that, in practice, nobody ever takes seriously such "theories" as those mentioned above, any more than they take seriously solipsism or radical skepticism. Let us call these "crazy theories'\*2'1 (of course, it is not easy to say exactly what it means for a theory to be non-crazy). Xote that these theories require no work: they can be formulated entirely a priori. On the other hand, the difficult problem, given some set of data, is to find even one non-crazy theory that accounts for them. Consider, for example, a police enquiry about some crime: it is easy enough to invent a story that "accounts for the facts'" in an ad hoc fashion (sometimes lawyers do just that); what is hard is to discover who really committed the crime and to obtain evidence demonstrating that beyond a reasonable doubt. Reflecting on this elementary example clarifies the meaning of the underdelermination thesis. Despite the existence of innumerable "crazy theories'\* concerning any given crime, it sometimes happens in practice that there is a unique theory (i.e. a unique story about who committed the crime and how) that is plausible and compatible with the known facts; in that case, one will say that the criminal has been discovered (with a high degree of confidence, albeit not with certainty). It may also happen that no plausible theory is found, or that we are unable to decide which one among several suspects is really guilty: in these cases, the underdetermination is real.-'' One might next ask whether there exist more subtle forms of underdetermination than the one revealed by a Duhem Quine type of argument. In order to analyze this question, let us consider the example of classical electromagnetism. This is a theory that describes how particles possessing a quantifiable property called "electric charge" produce "electromagnetic fields" that "propagate in vacuum" in a certain precise fashion and then "guide" the motion of charged particles when they encounter them.2' Of course, no one ever "sees" directly an electromagnetic field or an electric charge. So, should one interpret this theory "realistically'', and if so, what should it be taken to mean? Classical electromagnetic theory is immensely well supported by precise experiments and forms the basis for a large part of modern technology. It is "confirmed'' every time one of us switches on his or her computer and finds that it works as designed.'8 Does this overwhelming empirical support imply that there are "really"' electric and magnetic fields propagating in vacuum? In support of the idea that thenare, one could argue that electromagnetic theory postulates the existence of those fields and that there is no known non-crazy theory that accounts equally well for the same data; therefore it is reasonable to believe that electric and magnetic fields really exist. But is it in fact true that there are no alternative non-crazy theories? Here is one possibility: Let us claim that there are no fields propagating "in vacuum", but that, rather, there are only "forces" acting directly between charged particles.29 Of course, in order to preserve the empirical adequacy of the theory, one lias to use exactly the same Maxwell Lorentz system of equations as before (or a mathematically equivalent system). But one may interpret the fields as a mere "calculational device" allowing us to compute more easily the net effect of the "real" forces acting between charged particles.30 Almost every physicist reading these lines will say that this is some kind of metaphysics or maybe even a play on words that this "alternative theory" is really just standard electromagnetic theory in disguise. Xow, although the precise meaning of "metaphysics" is hard to pin down 31, there is a vague sense in which, if we use exactly the same equations (or a mathematically equivalent set of equations) and make exactly the same predictions in the two theories, then they are really the same theory as far as "physics" is concerned, and the distinction between the two if any lies outside of its scope. The same kind of observation can be made about most physical theories: In classical mechanics, are there really forces acting on particles, or are the particles instead following trajectories defined by variational principles? In general relativity, is space-time really curved, or are there, rather, fields that cause particles to move as if space-time were curved?'2 Let us call this kind of underdetermination "genuine'\*, as opposed to the "crazy" underdeterminations of the usual Duhem Quine thesis. By "genuine'\*, we do not mean that these underdeterminations are necessarily worth losing sleep over, but simply that there is no rational way to choose (at least on empirical grounds alone) between the alternative theories if indeed they should be regarded as different theories.

#### Reality exists independent of signifiers

Wendt 99

Alexander Wendt, Professor of International Security at Ohio State University, 1999, “Social theory of international politics,” gbooks

The effects of holding a relational theory of meaning on theorizing about world politics are apparent in David Campbell's provocative study of US foreign policy, which shows how the threats posed by the Soviets, immigration, drugs, and so on, were constructed out of US national security discourse.29 The book clearly shows that material things in the world did not force US decision-makers to have particular representations of them - the picture theory of reference does not hold. In so doing it highlights the discursive aspects of truth and reference, the sense in which objects are relationally "constructed."30 On the other hand, while emphasizing several times that he is not denying the reality of, for example, Soviet actions, he specifically eschews (p. 4) any attempt to assess the extent to which they caused US representations. Thus he cannot address the extent to which US representations of the Soviet threat were accurate or true (questions of correspondence). He can only focus on the nature and consequences of the representations.31 Of course, there is nothing in the social science rule book which requires an interest in causal questions, and the nature and consequences of representations are important questions. In the terms discussed below he is engaging in a constitutive rather than causal inquiry. However, I suspect Campbell thinks that any attempt to assess the correspondence of discourse to reality is inherently pointless. According to the relational theory of reference we simply have no access to what the Soviet threat "really" was, and as such its truth is established entirely within discourse, not by the latter's correspondence to an extra-discursive reality 32 The main problem with the relational theory of reference is that it cannot account for the resistance of the world to certain representations, and thus for representational failures or m/'sinterpretations. Worldly resistance is most obvious in nature: whether our discourse says so or not, pigs can't fly. But examples abound in society too. In 1519 Montezuma faced the same kind of epistemological problem facing social scientists today: how to refer to people who, in his case, called themselves Spaniards. Many representations were conceivable, and no doubt the one he chose - that they were gods - drew on the discursive materials available to him. So why was he killed and his empire destroyed by an army hundreds of times smaller than his own? The realist answer is that Montezuma was simply wrong: the Spaniards were not gods, and had come instead to conquer his empire. Had Montezuma adopted this alternative representation of what the Spanish were, he might have prevented this outcome because that representation would have corresponded more to reality. The reality of the conquistadores did not force him to have a true representation, as the picture theory of reference would claim, but it did have certain effects - whether his discourse allowed them or not. The external world to which we ostensibly lack access, in other words. often frustrates or penalizes representations. Postmodernism gives us no insight into why this is so, and indeed, rejects the question altogether.33 The description theory of reference favored by empiricists focuses on sense-data in the mind while the relational theory of the postmoderns emphasizes relations among words, but they are similar in at least one crucial respect: neither grounds meaning and truth in an external world that regulates their content.34 Both privilege epistemology over ontology. What is needed is a theory of reference that takes account of the contribution of mind and language yet is anchored to external reality. The realist answer is the causal theory of reference. According to the causal theory the meaning of terms is determined by a two-stage process.35 First there is a "baptism/' in which some new referent in the environment (say, a previously unknown animal) is given a name; then this connection of thing-to-term is handed down a chain of speakers to contemporary speakers. Both stages are causal, the first because the referent impressed itself upon someone's senses in such a way that they were induced to give it a name, the second because the handing down of meanings is a causal process of imitation and social learning. Both stages allow discourse to affect meaning, and as such do not preclude a role for "difference" as posited by the relational theory. Theory is underdetermined by reality, and as such the causal theory is not a picture theory of reference. However, conceding these points does not mean that meaning is entirely socially or mentally constructed. In the realist view beliefs are determined by discourse and nature.36 This solves the key problems of the description and relational theories: our ability to refer to the same object even if our descriptions are different or change, and the resistance of the world to certain representations. Mind and language help determine meaning, but meaning is also regulated by a mind-independent, extra-linguistic world.

## 1ac – roleplay

#### Contention two: Deliberation

#### Our model of debate is process, not product – decision-making is learned in a safe space of competing thought experiments

Hanghoj 8

http://static.sdu.dk/mediafiles/Files/Information\_til/Studerende\_ved\_SDU/Din\_uddannelse/phd\_hum/afhandlinger/2009/ThorkilHanghoej.pdf

Thorkild Hanghøj, Copenhagen, 2008

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Joas’ re-interpretation of Dewey’s pragmatism as a “theory of situated creativity” raises a critique of humans as purely rational agents that navigate instrumentally through meansends- schemes (Joas, 1996: 133f). This critique is particularly important when trying to understand how games are enacted and validated within the realm of educational institutions that by definition are inscribed in the great modernistic narrative of “progress” where nation states, teachers and parents expect students to acquire specific skills and competencies (Popkewitz, 1998; cf. chapter 3). However, as Dewey argues, the actual doings of educational gaming cannot be reduced to rational means-ends schemes. Instead, the situated interaction between teachers, students, and learning resources are played out as contingent re-distributions of means, ends and ends in view, which often make classroom contexts seem “messy” from an outsider’s perspective (Barab & Squire, 2004). 4.2.3. Dramatic rehearsal The two preceding sections discussed how Dewey views play as an imaginative activity of educational value, and how his assumptions on creativity and playful actions represent a critique of rational means-end schemes. For now, I will turn to Dewey’s concept of dramatic rehearsal, which assumes that social actors deliberate by projecting and choosing between various scenarios for future action. Dewey uses the concept dramatic rehearsal several times in his work but presents the most extensive elaboration in Human Nature and Conduct: Deliberation is a dramatic rehearsal (in imagination) of various competing possible lines of action… [It] is an experiment in finding out what the various lines of possible action are really like (...) Thought runs ahead and foresees outcomes, and thereby avoids having to await the instruction of actual failure and disaster. An act overtly tried out is irrevocable, its consequences cannot be blotted out. An act tried out in imagination is not final or fatal. It is retrievable (Dewey, 1922: 132-3). This excerpt illustrates how Dewey views the process of decision making (deliberation) through the lens of an imaginative drama metaphor. Thus, decisions are made through the imaginative projection of outcomes, where the “possible competing lines of action” are resolved through a thought experiment. Moreover, Dewey’s compelling use of the drama metaphor also implies that decisions cannot be reduced to utilitarian, rational or mechanical exercises, but that they have emotional, creative and personal qualities as well. Interestingly, there are relatively few discussions within the vast research literature on Dewey of his concept of dramatic rehearsal. A notable exception is the phenomenologist Alfred Schütz, who praises Dewey’s concept as a “fortunate image” for understanding everyday rationality (Schütz, 1943: 140). Other attempts are primarily related to overall discussions on moral or ethical deliberation (Caspary, 1991, 2000, 2006; Fesmire, 1995, 2003; Rönssön, 2003; McVea, 2006). As Fesmire points out, dramatic rehearsal is intended to describe an important phase of deliberation that does not characterise the whole process of making moral decisions, which includes “duties and contractual obligations, short and long-term consequences, traits of character to be affected, and rights” (Fesmire, 2003: 70). Instead, dramatic rehearsal should be seen as the process of “crystallizing possibilities and transforming them into directive hypotheses” (Fesmire, 2003: 70). Thus, deliberation can in no way guarantee that the response of a “thought experiment” will be successful. But what it can do is make the process of choosing more intelligent than would be the case with “blind” trial-and-error (Biesta, 2006: 8). The notion of dramatic rehearsal provides a valuable perspective for understanding educational gaming as a simultaneously real and imagined inquiry into domain-specific scenarios. Dewey defines dramatic rehearsal as the capacity to stage and evaluate “acts”, which implies an “irrevocable” difference between acts that are “tried out in imagination” and acts that are “overtly tried out” with real-life consequences (Dewey, 1922: 132-3). This description shares obvious similarities with games as they require participants to inquire into and resolve scenario-specific problems (cf. chapter 2). On the other hand, there is also a striking difference between moral deliberation and educational game activities in terms of the actual consequences that follow particular actions. Thus, when it comes to educational games, acts are both imagined and tried out, but without all the real-life consequences of the practices, knowledge forms and outcomes that are being simulated in the game world. Simply put, there is a difference in realism between the dramatic rehearsals of everyday life and in games, which only “play at” or simulate the stakes and risks that characterise the “serious” nature of moral deliberation, i.e. a real-life politician trying to win a parliamentary election experiences more personal and emotional risk than students trying to win the election scenario of The Power Game. At the same time, the lack of real-life consequences in educational games makes it possible to design a relatively safe learning environment, where teachers can stage particular game scenarios to be enacted and validated for educational purposes. In this sense, educational games are able to provide a safe but meaningful way of letting teachers and students make mistakes (e.g. by giving a poor political presentation) and dramatically rehearse particular “competing possible lines of action” that are relevant to particular educational goals (Dewey, 1922: 132). Seen from this pragmatist perspective, the educational value of games is not so much a question of learning facts or giving the “right” answers, but more a question of exploring the contingent outcomes and domain-specific processes of problem-based scenarios.

#### Decision-making is a trump impact—it improves all aspects of life regardless of its specific goals

Shulman, president emeritus – Carnegie Foundation for the Advancement of Teaching, ‘9

(Lee S, Education and a Civil Society: Teaching Evidence-Based Decision Making, p. ix-x)

These are the kinds of questions that call for the exercise of practical reason, a form of thought that draws concurrently from theory and practice, from values and experience, and from critical thinking and human empathy. None of these attributes is likely to be thought of no value and thus able to be ignored. Our schools, however, are unlikely to take on all of them as goals of the educational process. The goal of education is not to render practical arguments more theoretical; nor is it to diminish the role of values in practical reason. Indeed, all three sources—theoretical knowledge, practical knowhow and experience, and deeply held values and identity—have legitimate places in practical arguments. An educated person, argue philosophers Thomas Green (1971) and Gary Fenstermacher (1986), is someone who has transformed the premises of her or his practical arguments from being less objectively reasonable to being more objectively reasonable. That is, to the extent that they employ probabilistic reasoning or interpret data from various sources, those judgments and interpretations conform more accurately to well-understood principles and are less susceptible to biases and distortions. To the extent that values, cultural or religious norms, or matters of personal preference or taste are at work, they have been rendered more explicit, conscious, intentional, and reflective. In his essay for this volume, Jerome Kagan reflects the interactions among these positions by arguing: We are more likely to solve our current problem, however, if teachers accept the responsibility of guaranteeing that all adolescents, regardless of class or ethnicity, can read and comprehend the science section of newspapers, solve basic mathematical problems, detect the logical coherence in non-technical verbal arguments or narratives, and insist that all acts of maliciousness, deception, and unregulated self-aggrandizement are morally unacceptable. Whether choosing between a Prius and a Hummer, an Obama or a McCain, installing solar panels or planting taller trees, a well-educated person has learned to combine their values, experience, understandings, and evidence in a thoughtful and responsible manner. Thus do habits of mind, practice, and heart all play a significant role in the lives of citizens.

#### Switch-side debate inculcates skills that empirically improve climate policy outcomes

Mitchell 10

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of Communication at the University of Pittsburgh, where he also directs the William Pitt Debating

Union. Robert Asen’s patient and thoughtful feedback sharpened this manuscript, which was also

improved by contributions from members of the Schenley Park Debate Authors Working Group

(DAWG), a consortium of public argument scholars at the University of Pittsburgh that strives

to generate rigorous scholarship addressing the role of argumentation and debate in society. SWITCH-SIDE DEBATING MEETS DEMAND-DRIVEN RHETORIC OF SCIENCE. MITCHELL, GORDON R.1 Rhetoric & Public Affairs; Spring2010, Vol. 13 Issue 1, p95-120, 26p

The watchwords for the intelligence community’s debating initiative— collaboration, critical thinking, collective awareness—resonate with key terms anchoring the study of deliberative democracy. In a major new text, John Gastil defines deliberation as a process whereby people “carefully examine a problem and arrive at a well-reasoned solution aft er a period of inclusive, respectful consideration of diverse points of view.”40 Gastil and his colleagues in organizations such as the Kettering Foundation and the National Coalition for Dialogue and Deliberation are pursuing a research program that foregrounds the democratic telos of deliberative processes. Work in this area features a blend of concrete interventions and studies of citizen empowerment.41 Notably, a key theme in much of this literature concerns the relationship between deliberation and debate, with the latter term often loaded with pejorative baggage and working as a negative foil to highlight the positive qualities of deliberation.42 “Most political discussions, however, are debates. Stories in the media turn politics into a never-ending series of contests. People get swept into taking sides; their energy goes into figuring out who or what they’re for or against,” says Kettering president David Mathews and coauthor Noelle McAfee. “Deliberation is different. It is neither a partisan argument where opposing sides try to win nor a casual conversation conducted with polite civility. Public deliberation is a means by which citizens make tough choices about basic purposes and directions for their communities and their country. It is a way of reasoning and talking together.”43 Mathews and McAfee’s distrust of the debate process is almost paradigmatic amongst theorists and practitioners of Kettering-style deliberative democracy. One conceptual mechanism for reinforcing this debate-deliberation opposition is characterization of debate as a process inimical to deliberative aims, with debaters adopting dogmatic and fixed positions that frustrate the deliberative objective of “choice work.” In this register, Emily Robertson observes, “unlike deliberators, debaters are typically not open to the possibility of being shown wrong. . . . Debaters are not trying to find the best solution by keeping an open mind about the opponent’s point of view.”44 Similarly, founding documents from the University of Houston–Downtown’s Center for Public Deliberation state, “Public deliberation is about choice work, which is different from a dialogue or a debate. In dialogue, people oft en look to relate to each other, to understand each other, and to talk about more informal issues. In debate, there are generally two positions and people are generally looking to ‘win’ their side.”45 Debate, cast here as the theoretical scapegoat, provides a convenient, low-water benchmark for explaining how other forms of deliberative interaction better promote cooperative “choice work.” The Kettering-inspired framework receives support from perversions of the debate process such as vapid presidential debates and verbal pyrotechnics found on Crossfire-style television shows.46 In contrast, the intelligence community’s debating initiative stands as a nettlesome anomaly for these theoretical frameworks, with debate serving, rather than frustrating, the ends of deliberation. The presence of such an anomaly would seem to point to the wisdom of fashioning a theoretical orientation that frames the debate-deliberation connection in contingent, rather than static terms, with the relationship between the categories shift ing along with the various contexts in which they manifest in practice.47 Such an approach gestures toward the importance of rhetorically informed critical work on multiple levels. First, the contingency of situated practice invites analysis geared to assess, in particular cases, the extent to which debate practices enable and/ or constrain deliberative objectives. Regarding the intelligence community’s debating initiative, such an analytical perspective highlights, for example, the tight connection between the deliberative goals established by intelligence officials and the cultural technology manifest in the bridge project’s online debating applications such as Hot Grinds. An additional dimension of nuance emerging from this avenue of analysis pertains to the precise nature of the deliberative goals set by bridge. Program descriptions notably eschew Kettering-style references to democratic citizen empowerment, yet feature deliberation prominently as a key ingredient of strong intelligence tradecraft . Th is caveat is especially salient to consider when it comes to the second category of rhetorically informed critical work invited by the contingent aspect of specific debate initiatives. To grasp this layer it is useful to appreciate how the name of the bridge project constitutes an invitation for those outside the intelligence community to participate in the analytic outreach eff ort. According to Doney, bridge “provides an environment for Analytic Outreach—a place where IC analysts can reach out to expertise elsewhere in federal, state, and local government, in academia, and industry. New communities of interest can form quickly in bridge through the ‘web of trust’ access control model—access to minds outside the intelligence community creates an analytic force multiplier.”48 This presents a moment of choice for academic scholars in a position to respond to Doney’s invitation; it is an opportunity to convert scholarly expertise into an “analytic force multiplier.” In reflexively pondering this invitation, it may be valuable for scholars to read Greene and Hicks’s proposition that switch-side debating should be viewed as a cultural technology in light of Langdon Winner’s maxim that “technological artifacts have politics.”49 In the case of bridge, politics are informed by the history of intelligence community policies and practices. Commenter Th omas Lord puts this point in high relief in a post off ered in response to a news story on the topic: “[W]hy should this thing (‘bridge’) be? . . . [Th e intelligence community] on the one hand sometimes provides useful information to the military or to the civilian branches and on the other hand it is a dangerous, out of control, relic that by all external appearances is not the slightest bit reformed, other than superficially, from such excesses as became exposed in the cointelpro and mkultra hearings of the 1970s.”50 A debate scholar need not agree with Lord’s full-throated criticism of the intelligence community (he goes on to observe that it bears an alarming resemblance to organized crime) to understand that participation in the community’s Analytic Outreach program may serve the ends of deliberation, but not necessarily democracy, or even a defensible politics. Demand-driven rhetoric of science necessarily raises questions about what’s driving the demand, questions that scholars with relevant expertise would do well to ponder carefully before embracing invitations to contribute their argumentative expertise to deliberative projects. By the same token, it would be prudent to bear in mind that the technological determinism about switch-side debate endorsed by Greene and Hicks may tend to flatten reflexive assessments regarding the wisdom of supporting a given debate initiative—as the next section illustrates, manifest differences among initiatives warrant context-sensitive judgments regarding the normative political dimensions featured in each case. Public Debates in the EPA Policy Process Th e preceding analysis of U.S. intelligence community debating initiatives highlighted how analysts are challenged to navigate discursively the heteroglossia of vast amounts of diff erent kinds of data flowing through intelligence streams. Public policy planners are tested in like manner when they attempt to stitch together institutional arguments from various and sundry inputs ranging from expert testimony, to historical precedent, to public comment. Just as intelligence managers find that algorithmic, formal methods of analysis often don’t work when it comes to the task of interpreting and synthesizing copious amounts of disparate data, public-policy planners encounter similar challenges. In fact, the argumentative turn in public-policy planning elaborates an approach to public-policy analysis that foregrounds deliberative interchange and critical thinking as alternatives to “decisionism,” the formulaic application of “objective” decision algorithms to the public policy process. Stating the matter plainly, Majone suggests, “whether in written or oral form, argument is central in all stages of the policy process.” Accordingly, he notes, “we miss a great deal if we try to understand policy-making solely in terms of power, influence, and bargaining, to the exclusion of debate and argument.”51 One can see similar rationales driving Goodwin and Davis’s EPA debating project, where debaters are invited to conduct on-site public debates covering resolutions craft ed to reflect key points of stasis in the EPA decision-making process. For example, in the 2008 Water Wars debates held at EPA headquarters in Washington, D.C., resolutions were craft ed to focus attention on the topic of water pollution, with one resolution focusing on downstream states’ authority to control upstream states’ discharges and sources of pollutants, and a second resolution exploring the policy merits of bottled water and toilet paper taxes as revenue sources to fund water infrastructure projects. In the first debate on interstate river pollution, the team of Seth Gannon and Seungwon Chung from Wake Forest University argued in favor of downstream state control, with the Michigan State University team of Carly Wunderlich and Garrett Abelkop providing opposition. In the second debate on taxation policy, Kevin Kallmyer and Matthew Struth from University of Mary Washington defended taxes on bottled water and toilet paper, while their opponents from Howard University, Dominique Scott and Jarred McKee, argued against this proposal. Reflecting on the project, Goodwin noted how the intercollegiate Switch-Side Debating Meets Demand-Driven Rhetoric of Science 107 debaters’ ability to act as “honest brokers” in the policy arguments contributed positively to internal EPA deliberation on both issues.52 Davis observed that since the invited debaters “didn’t have a dog in the fight,” they were able to give voice to previously buried arguments that some EPA subject matter experts felt reticent to elucidate because of their institutional affiliations.53 Such findings are consistent with the views of policy analysts advocating the argumentative turn in policy planning. As Majone claims, “Dialectical confrontation between generalists and experts often succeeds in bringing out unstated assumptions, conflicting interpretations of the facts, and the risks posed by new projects.”54 Frank Fischer goes even further in this context, explicitly appropriating rhetorical scholar Charles Willard’s concept of argumentative “epistemics” to flesh out his vision for policy studies: Uncovering the epistemic dynamics of public controversies would allow for a more enlightened understanding of what is at stake in a particular dispute, making possible a sophisticated evaluation of the various viewpoints and merits of diff erent policy options. In so doing, the diff ering, oft en tacitly held contextual perspectives and values could be juxtaposed; the viewpoints and demands of experts, special interest groups, and the wider public could be directly compared; and the dynamics among the participants could be scrutizined. This would by no means sideline or even exclude scientific assessment; it would only situate it within the framework of a more comprehensive evaluation.55 As Davis notes, institutional constraints present within the EPA communicative milieu can complicate eff orts to provide a full airing of all relevant arguments pertaining to a given regulatory issue. Thus, intercollegiate debaters can play key roles in retrieving and amplifying positions that might otherwise remain sedimented in the policy process. Th e dynamics entailed in this symbiotic relationship are underscored by deliberative planner John Forester, who observes, “If planners and public administrators are to make democratic political debate and argument possible, they will need strategically located allies to avoid being fully thwarted by the characteristic self-protecting behaviors of the planning organizations and bureaucracies within which they work.”56 Here, an institution’s need for “strategically located allies” to support deliberative practice constitutes the demand for rhetorically informed expertise, setting up what can be considered a demand-driven rhetoric of science. As an instance of rhetoric of science scholarship, this type of “switch-side public 108 Rhetoric & Public Affairs debate” diff ers both from insular contest tournament debating, where the main focus is on the pedagogical benefit for student participants, and first-generation rhetoric of science scholarship, where critics concentrated on unmasking the rhetoricity of scientific artifacts circulating in what many perceived to be purely technical spheres of knowledge production.58 As a form of demand-driven rhetoric of science, switch-side debating connects directly with the communication field’s performative tradition of argumentative engagement in public controversy—a different route of theoretical grounding than rhetorical criticism’s tendency to locate its foundations in the English field’s tradition of literary criticism and textual analysis.59 Given this genealogy, it is not surprising to learn how Davis’s response to the EPA’s institutional need for rhetorical expertise took the form of a public debate proposal, shaped by Davis’s dual background as a practitioner and historian of intercollegiate debate. Davis competed as an undergraduate policy debater for Howard University in the 1970s, and then went on to enjoy substantial success as coach of the Howard team in the new millennium. In an essay reviewing the broad sweep of debating history, Davis notes, “Academic debate began at least 2,400 years ago when the scholar Protagoras of Abdera (481–411 bc), known as the father of debate, conducted debates among his students in Athens.”60 As John Poulakos points out, “older” Sophists such as Protagoras taught Greek students the value of dissoi logoi, or pulling apart complex questions by debating two sides of an issue.61 Th e few surviving fragments of Protagoras’s work suggest that his notion of dissoi logoi stood for the principle that “two accounts [logoi] are present about every ‘thing,’ opposed to each other,” and further, that humans could “measure” the relative soundness of knowledge claims by engaging in give-and-take where parties would make the “weaker argument stronger” to activate the generative aspect of rhetorical practice, a key element of the Sophistical tradition.62 Following in Protagoras’s wake, Isocrates would complement this centrifugal push with the pull of synerchesthe, a centripetal exercise of “coming together” deliberatively to listen, respond, and form common social bonds.63 Isocrates incorporated Protagorean dissoi logoi into synerchesthe, a broader concept that he used flexibly to express interlocking senses of (1) inquiry, as in groups convening to search for answers to common questions through discussion;64 (2) deliberation, with interlocutors gathering in a political setting to deliberate about proposed courses of action;65 and (3) alliance formation, a form of collective action typical at festivals,66 or in the exchange of pledges that deepen social ties.67 Switch-Side Debating Meets Demand-Driven Rhetoric of Science 109 Returning once again to the Kettering-informed sharp distinction between debate and deliberation, one sees in Isocratic synerchesthe, as well as in the EPA debating initiative, a fusion of debate with deliberative functions. Echoing a theme raised in this essay’s earlier discussion of intelligence tradecraft , such a fusion troubles categorical attempts to classify debate and deliberation as fundamentally opposed activities. Th e significance of such a finding is amplified by the frequency of attempts in the deliberative democracy literature to insist on the theoretical bifurcation of debate and deliberation as an article of theoretical faith. Tandem analysis of the EPA and intelligence community debating initiatives also brings to light dimensions of contrast at the third level of Isocratic synerchesthe, alliance formation. Th e intelligence community’s Analytic Outreach initiative invites largely one-way communication flowing from outside experts into the black box of classified intelligence analysis. On the contrary, the EPA debating program gestures toward a more expansive project of deliberative alliance building. In this vein, Howard University’s participation in the 2008 EPA Water Wars debates can be seen as the harbinger of a trend by historically black colleges and universities (hbcus) to catalyze their debate programs in a strategy that evinces Davis’s dual-focus vision. On the one hand, Davis aims to recuperate Wiley College’s tradition of competitive excellence in intercollegiate debate, depicted so powerfully in the feature film The Great Debaters, by starting a wave of new debate programs housed in hbcus across the nation.68 On the other hand, Davis sees potential for these new programs to complement their competitive debate programming with participation in the EPA’s public debating initiative. Th is dual-focus vision recalls Douglas Ehninger’s and Wayne Brockriede’s vision of “total” debate programs that blend switch-side intercollegiate tournament debating with forms of public debate designed to contribute to wider communities beyond the tournament setting.69 Whereas the political telos animating Davis’s dual-focus vision certainly embraces background assumptions that Greene and Hicks would find disconcerting—notions of liberal political agency, the idea of debate using “words as weapons”70—there is little doubt that the project of pursuing environmental protection by tapping the creative energy of hbcu-leveraged dissoi logoi diff ers significantly from the intelligence community’s eff ort to improve its tradecraft through online digital debate programming. Such diff erence is especially evident in light of the EPA’s commitment to extend debates to public realms, with the attendant possible benefits unpacked by Jane Munksgaard and Damien Pfister: 110 Rhetoric & Public Affairs Having a public debater argue against their convictions, or confess their indecision on a subject and subsequent embrace of argument as a way to seek clarity, could shake up the prevailing view of debate as a war of words. Public uptake of the possibility of switch-sides debate may help lessen the polarization of issues inherent in prevailing debate formats because students are no longer seen as wedded to their arguments. This could transform public debate from a tussle between advocates, with each public debater trying to convince the audience in a Manichean struggle about the truth of their side, to a more inviting exchange focused on the content of the other’s argumentation and the process of deliberative exchange.71 Reflection on the EPA debating initiative reveals a striking convergence among (1) the expressed need for dissoi logoi by government agency officials wrestling with the challenges of inverted rhetorical situations, (2) theoretical claims by scholars regarding the centrality of argumentation in the public policy process, and (3) the practical wherewithal of intercollegiate debaters to tailor public switch-side debating performances in specific ways requested by agency collaborators. These points of convergence both underscore previously articulated theoretical assertions regarding the relationship of debate to deliberation, as well as deepen understanding of the political role of deliberation in institutional decision making. But they also suggest how decisions by rhetorical scholars about whether to contribute switch-side debating acumen to meet demand-driven rhetoric of science initiatives ought to involve careful reflection. Such an approach mirrors the way policy planning in the “argumentative turn” is designed to respond to the weaknesses of formal, decisionistic paradigms of policy planning with situated, contingent judgments informed by reflective deliberation. Conclusion Dilip Gaonkar’s criticism of first-generation rhetoric of science scholarship rests on a key claim regarding what he sees as the inherent “thinness” of the ancient Greek rhetorical lexicon.72 That lexicon, by virtue of the fact that it was invented primarily to teach rhetorical performance, is ill equipped in his view to support the kind of nuanced discriminations required for eff ective interpretation and critique of rhetorical texts. Although Gaonkar isolates rhetoric of science as a main target of this critique, his choice of subject matter Switch-Side Debating Meets Demand-Driven Rhetoric of Science 111 positions him to toggle back and forth between specific engagement with rhetoric of science scholarship and discussion of broader themes touching on the metatheoretical controversy over rhetoric’s proper scope as a field of inquiry (the so-called big vs. little rhetoric dispute).73 Gaonkar’s familiar refrain in both contexts is a warning about the dangers of “universalizing” or “globalizing” rhetorical inquiry, especially in attempts that “stretch” the classical Greek rhetorical vocabulary into a hermeneutic metadiscourse, one pressed into service as a master key for interpretation of any and all types of communicative artifacts. In other words, Gaonkar warns against the dangers of rhetoricians pursuing what might be called supply-side epistemology, rhetoric’s project of pushing for greater disciplinary relevance by attempting to extend its reach into far-flung areas of inquiry such as the hard sciences. Yet this essay highlights how rhetorical scholarship’s relevance can be credibly established by outsiders, who seek access to the creative energy flowing from the classical Greek rhetorical lexicon in its native mode, that is, as a tool of invention designed to spur and hone rhetorical performance. Analysis of the intelligence community and EPA debating initiatives shows how this is the case, with government agencies calling for assistance to animate rhetorical processes such as dissoi logoi (debating different sides) and synerchesthe (the performative task of coming together deliberately for the purpose of joint inquiry, collective choice-making, and renewal of communicative bonds).74 Th is demand-driven epistemology is diff erent in kind from the globalization project so roundly criticized by Gaonkar. Rather than rhetoric venturing out from its own academic home to proselytize about its epistemological universality for all knowers, instead here we have actors not formally trained in the rhetorical tradition articulating how their own deliberative objectives call for incorporation of rhetorical practice and even recruitment of “strategically located allies”75 to assist in the process. Since the productivist content in the classical Greek vocabulary serves as a critical resource for joint collaboration in this regard, demand-driven rhetoric of science turns Gaonkar’s original critique on its head. In fairness to Gaonkar, it should be stipulated that his 1993 intervention challenged the way rhetoric of science had been done to date, not the universe of ways rhetoric of science might be done in the future. And to his partial credit, Gaonkar did acknowledge the promise of a performance-oriented rhetoric of science, especially one informed by classical thinkers other than Aristotle.76 In his Ph.D. dissertation on “Aspects of Sophistic Pedagogy,” Gaonkar documents how the ancient sophists were “the greatest champions” 112 Rhetoric & Public Affairs of “socially useful” science,77 and also how the sophists essentially practiced the art of rhetoric in a translational, performative register: Th e sophists could not blithely go about their business of making science useful, while science itself stood still due to lack of communal support and recognition. Besides, sophistic pedagogy was becoming increasingly dependent on the findings of contemporary speculation in philosophy and science. Take for instance, the eminently practical art of rhetoric. As taught by the best of the sophists, it was not simply a handbook of recipes which anyone could mechanically employ to his advantage. On the contrary, the strength and vitality of sophistic rhetoric came from their ability to incorporate the relevant information obtained from the on-going research in other fields.78 Of course, deep trans-historical diff erences make uncritical appropriation of classical Greek rhetoric for contemporary use a fool’s errand. But to gauge from Robert Hariman’s recent reflections on the enduring salience of Isocrates, “timely, suitable, and eloquent appropriations” can help us postmoderns “forge a new political language” suitable for addressing the complex raft of intertwined problems facing global society. Such retrospection is long overdue, says Hariman, as “the history, literature, philosophy, oratory, art, and political thought of Greece and Rome have never been more accessible or less appreciated.”79 Th is essay has explored ways that some of the most venerable elements of the ancient Greek rhetorical tradition—those dealing with debate and deliberation—can be retrieved and adapted to answer calls in the contemporary milieu for cultural technologies capable of dealing with one of our time’s most daunting challenges. This challenge involves finding meaning in inverted rhetorical situations characterized by an endemic surplus of

heterogeneous content.

#### DELIBERATIVE POLICYMAKING through DEBATE is the CRUCIAL internal link to solving warming through public policy and SUBSUMES their critiques of traditional persuasion

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<http://www.thesolutionsjournal.com/node/775>

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Getting to 350 parts per million CO2 in the atmosphere will require massive investments in clean-energy infrastructure—investments that can too often be foiled by a combination of special interests and political sclerosis. Take the recent approval of the Cape Wind project by the U.S. Department of the Interior. In some ways, this was great news for clean-energy advocates: the project’s 130 turbines will produce, on average, 170 megawatts of electricity, almost 75 percent of the average electricity demand for Cape Cod and the islands of Martha’s Vineyard and Nantucket.1 But, because of local opposition by well-organized opponents, the approval process was lengthy, costly, and grueling —and all for a project that will produce only 0.04 percent of the total (forecasted) U.S. electricity demand in 2010.2,3 Over the next few decades, the world will need thousands of large-scale, low-carbon electricity projects—wind, solar, and nuclear power will certainly be in the mix. But if each faces Cape Wind–like opposition, getting to 350 is unlikely. How can the decision-making process about such projects be streamlined so that public policy reflects the view of a well-informed majority, provides opportunities for legitimate critiques, but does not permit the opposition to retard the process indefinitely? One answer is **found in** a set of innovative policy-making tools founded on the principle of deliberative democracy, defined as “decision making by discussion among free and equal citizens.”4 Such approaches, which have been developed and led by the Center for Deliberative Democracy (cdd.stanford.edu), America Speaks (www.americaspeaks.org), and the Consensus Building Institute (cbuilding.org), among others, are gaining popularity by promising a new foothold for effective citizen participation in the drive for a clean-energy future. Deliberative democracy stems from the belief that democratic leadership should involve educating constituents about issues at hand, and that citizens may significantly alter their opinions when faced with information about these issues. Advocates of the approach state that democracy should shift away from fixed notions toward a learning process in which people develop defensible positions.5 While the approaches of the Center for Deliberative Democracy, America Speaks, and the Consensus Building Institute do differ, all of these deliberative methodologies involve unbiased sharing of information and public-policy alternatives with a representative set of citizens; a moderated process of deliberation among the selected citizens; and the collection and dissemination of data resulting from this process. For example, in the deliberative polling approach used by the Center for Deliberative Democracy, a random selection of citizens is first polled on a particular issue. Then, members of the poll are invited to gather at a single place to discuss the issue. Participants receive balanced briefing materials to review before the gathering, and at the gathering they engage in dialogue with competing experts and political leaders based on questions they develop in small group discussions. After deliberations, the sample is asked the original poll questions, and the resulting changes in opinion represent the conclusions that the public would reach if everyone were given the opportunity to become more informed on pressing issues.6 If policymakers look at deliberative polls rather than traditional polls, they will be able to utilize results that originate from an informed group of citizens. As with traditional polls, deliberative polls choose people at random to represent U.S. demographics of age, education, gender, and so on. But traditional polls stop there, asking the random sample some brief, simple questions, typically online or over the phone. However, participants of deliberative polls have the opportunity to access expert information and then talk with one another before voting on policy recommendations. The power of this approach is illustrated by the results of a global deliberative process organized by World Wide Views on Global Warming (www.wwviews.org), a citizen’s deliberation organization based in Denmark.7 On September 26, 2009, approximately 4,000 people gathered in 38 countries to consider what should happen at the UN climate change negotiations in Copenhagen (338 Americans met in five major cities). The results derived from this day of deliberation were dramatic and significantly different from results of traditional polls. Overall, citizens showed strong concern about global warming and support for climate-change legislation, contrary to the outcomes of many standard climate-change polls. Based on the polling results from these gatherings, 90 percent of global citizens believe that it is urgent for the UN negotiations to produce a new climate change agreement; 88 percent of global citizens (82 percent of U.S. citizens) favor holding global warming to within 2 degrees Celsius of pre-industrial levels; and 74 percent of global citizens (69 percent of U.S. citizens) favor increasing fossil-fuel prices in developed countries. However, a typical news poll that was conducted two days before 350.org’s International Day of Climate Action on October 24, 2009, found that Americans had an overall declining concern about global warming.7 How can deliberative democracy help to create solutions for the climate-change policy process, to accelerate the kinds of policies and public investments that are so crucial to getting the world on a path to 350? Take again the example of wind in the United States. In the mid-1990s, the Texas Public Utilities Commission (PUC) launched an “integrated resource plan” to develop long-term strategies for energy production, particularly electricity.8 Upon learning about the deliberative polling approach of James Fishkin (then at the University of Texas at Austin), the PUC set up deliberative sessions for several hundred customers in the vicinity of every major utility provider in the state. The results were a surprise: it turned out that participants ranked reliability and stability of electricity supply as more important characteristics than price. In addition, they were open to supporting renewable energy, even if the costs slightly exceeded fossil-fuel sources. Observers considered this a breakthrough: based on these public deliberations, the PUC went on to champion an aggressive renewable portfolio standard, and the state has subsequently experienced little of the opposition to wind-tower siting that has slowed development in other states.8 By 2009, Texas had 9,500 megawatts of installed wind capacity, as much as the next six states (ranked by wind capacity) in the windy lower and upper Midwest (Iowa, Minnesota, Colorado, North Dakota, Kansas, and New Mexico).9 Deliberative democracy has proven effective in a wide range of countries and settings. In the Chinese township of Zeguo, a series of deliberative polls has helped the Local People’s Congress (LPC) to become a more effective decision-making body.10 In February 2008, 175 citizens were randomly selected to scrutinize the town’s budget—and 60 deputies from the LPC observed the process. After the deliberations, support decreased for budgeting for national defense projects, while support rose for infrastructure (e.g., rural road construction) and environmental protection. Subsequently, the LPC increased support for environmental projects by 9 percent.10 In decades to come, China must be at the forefront of the world’s investments in clean-energy infrastructure. The experience of Zeguo, if scaled up and fully supported by Chinese leaders, can help to play an important role. Deliberative democracy offers one solution for determining citizen opinions, including those on pressing issues related to climate change and clean energy.

#### The inclusion of hypothetical impact scenarios supercharges the deliberative process by providing a normative means of assessing consequences

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Climate Change and Human Settlements

Climatechange scenarios and citizen-participation: Mitigation and adaptation perspectives in constructing sustainable futures

In constructing normative scenarios a set of images are generated illustrating future ways of living, travelling and consuming products and services where certain goal such as a reduced climate impact is fulfilled. These are not predictions of the future, but can be used as a way to act in accordance to achieving a desired future development. They can also be a contribution to the general debate or foundations for policy decisions. These scenarios also often include an account of changes in terms of consumption patterns and behavioural change. In this sense, these scenarios are extended beyond socio-economic predictions and relations to environmental load dealt within other field, such as climatechange predictions in the work of IPCC. The scenarios in focus here build on some predictive elements, but in addition the sustainability focus when including behavioural change also includes some normative elements as how to achieve a sustainable society in the future. In essence, this also means that images of behavioural change are included, but not necessary including explanations on how these changes came about (Larsen & Höjer, 2007). The behavioural change is there formulated by describing level of acceptance (of introducing a new environmental tax) or new behaviour in daily travel patterns (new modes of transport). However, even though scenario construction is often a creative process including a range of participants demanding change, trust is built and ideas exchanged, these processes are seldom analyzed as deliberative processes. Deliberation takes places in communicative processes where participants with diverse opinions, but open to preference shifts, are seen as equal (see Hendriks, Dryzek, & Hunold, 2007). Process values such as learning and mutual understanding are created in addition to outputs such as policies. Experiences from exploring transition pathways towards sustainability distinguish between process management aspects of learning (learns how?), learning about policy options and the context in which decisions take place (learns what?), the subjects of learning (who learns?), and the results of learning (Van de Kerkhof & Wieczorek, 2005: 735). Especially questions such as who takes part in the process and whom these participants are to represent become important since the scenarios often expect great behavioural changes. Is it legitimate to expect all people to change even if they did not feel as they were represented? It is important to keep in mind that scenario making processes are not set up only to share ideas and create mutual understanding, they aim at solving specific targets such as minimizing climate change. Some writers (e.g. Hendriks et al., 2007) underline the importance of deliberative processes being open and diverse and do not put as much attention to the outcome. Understanding the importance of legitimacy we see the process as crucial, but aiming for goals such as minimized climatechange both the content and the impact of the output are also critical. Thus, we agree with Connelly and Richardson (in press) seeing effective deliberation as a process where stakeholders are engaged and the primary assessment should be regarding the process' “effectiveness in delivering an intended policy”. They also underline that governance as a whole should be assessed regarding its possibilities to take action and achieve legitimacy, where legitimacy is understood as “the recognised right to make policy” (Connelly & Richardson, in press). There are thus three dimensions Connelly and Richardson (in press) find important: content sustainability, capacity to act and legitimacy. We believe those dimensions are also important for participatory processes generating scenarios aiming at mitigation as well as adaptation to climatechange, otherwise they will not have any strong (and legitimate) impact on development. Hendriks et al. (2007) make an important distinction between partisan and non-partisan forums. We believe this distinction is important also when analysing scenario generating processes since it affects the legitimacy of the outcome. Partisans can be activists or belong to interest groups, organisations or associations, which strive for particular matters. Partisans are thus committed to certain agendas and are therefore often seen as poor deliberators (Hendriks et al., 2007: 362). However, from a democracy perspective they are seen as important since they legitimate processes by making sure that particular stakes are represented. While partisan forums are made up to represent interest groups in society, non-partisan forums consist of randomly selected citizens, which ideally have rather open preferences. When exploring one partisan and one non-partisan process Hendriks et al. (2007) found that contrary to common expectations, partisan forums can have substantial legitimacy and impact problems. They also found that non-partisan forums might be favourable in deliberative capacity but they might fall short in external legitimacy and policy impact. The fact was that partisan participants accepted that deliberation means that you must be willing to adjust preferences, but they failed to do so (Hendriks et al., 2007: 370). Both the partisan and non-partisan forums included participants who stuck to their positions, but non-partisan participants had greater autonomy “so their deliberative capacity can be judged superior to that of partisan forums” (Hendriks et al., 2007: 371). In the study by Hendriks et al. (2007: 372) legitimacy is defined and operationalized as: “the extent to which key-actors, decision-makers and the media accept and support the procedure and its outcomes.” In other words, the legitimacy (as defined in that study) is grounded on actors largely outside the forums active in the deliberation processes. This study also showed (by interviews of experts themselves) that the deliberation by citizens and capacity of lay people was questioned by some experts (Hendriks et al., 2007: 373–374). In addition to this distinction of external legitimacy, the concept of legitimacy is in the literature largely divided in strategic and institutional legitimacy (Suchman, 1995: 572). The strategic tradition stresses the managerial standpoint in how organisations making legitimate strategies resulting in manipulating to gain societal support. Hence, rather than emphasising participatory processes (and the inherent process values), these values and the participatory process can be by-passed by e.g. “astroturfing”1 or other strategic options adopted. The branch of institutional studies of legitimacy, instead, emphasizes the “normative and cognitive forces that constrain, construct, and empower the organizational actors” as described in Suchman (1995: 571) examining the two approaches. The conclusion of this examination of the two parallel domains of research on legitimacy concludes three categories: pragmatic (based on audience self-interest), moral (based on normative approval) and cognitive (based on comprehensibility and taken-for-grantedness). In practical cases one of these categories can be more protruding or legitimacy being a blend of these three. The external legitimacy category, discussed previously, share some common traits with the audience self-interest category (labelled pragmatic) in the sense that actors external to the deliberative process (the audience consisting of experts and media) has a strong saying in the legitimate value of the outcome. The constellations of forums and involvement of stakeholders in governance processes is also featured in studies recognised as communicative planning theory (Healey, 1996) and the question also becomes relevant when implementing future-oriented development in European metropolitan regions (Healey, 2000). Campbell (2006) underlines that conceptualization of justice in contemporary planning theory is much about procedural concerns. However, individual liberties may be in conflict or as Campbell (2006: 95) puts it: “In relation to planning matters, the nature of interests is often complex and problematic; for example, individuals generally both desire clean air and to be able to drive their car(s) freely. Our preferences are therefore often inconsistent and overlapping.” Also the previous work with Swedish futures studies construction in the 1960–1970s having aims at democratic scenario construction by proposing a “particular responsibility to society's weakest groups” (Andersson, 2006: 288). At that time these groups were discussed in terms of the “weakest groups” (including the poor, elderly, unemployed and the disabled). Other examples of relevance when discussing communication among actors can be found in game theory (Sally, 1995). Conditions where reciprocity and trust can help overcome self-interests are built by “cheap talk”. As we will see, content sustainability, capacity to act and legitimacy are intimately connected. Findings from studies of collective actions frequently find that “when the users of a common-pool resource organize themselves to devise and enforce some of their own basic rules, they tend to manage local resources more sustainably than when rules are externally imposed on them” (Ostrom, 2000: 148). Common-pool resources are in this case understood as “natural or humanly created systems that generate a finite flow of benefits where it is costly to exclude beneficiaries and one person's consumption subtracts from the amount of benefits available to others” (Ostrom, 2000: 148). The explanation from game theory is that individuals obtain results that are “better than rational” when they are allowed to communicate, or do “cheap talk” as some economists call it (see e.g. Ostrom, 1998). In other words, communicative approaches can make collaboration work better since people have the possibility to bond with each other. From this reasoning we conclude that in a process where participants are active, open to preference shifts and are allowed to actually influence the result, both the content sustainability and the capacity to act might increase.

#### Our heuristic overcomes disbelief and mobilizes public responses

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The two greatest myths about global warming communications are 1) constant repetition of doomsday messages has been a major, ongoing strategy and 2) that strategy doesn’t work and indeed is actually counterproductive! These myths are so deeply ingrained in the environmental and progressive political community that when we finally had a serious shot at a climate bill, the powers that be decided not to focus on the threat posed by climate change in any serious fashion in their $200 million communications effort (see my 6/10 post “Can you solve global warming without talking about global warming?“). These myths are so deeply ingrained in the mainstream media that such messaging, when it is tried, is routinely attacked and denounced — and the flimsiest studies are interpreted exactly backwards to drive the erroneous message home (see “Dire straits: Media blows the story of UC Berkeley study on climate messaging“) The only time anything approximating this kind of messaging — not “doomsday” but what I’d call blunt, science-based messaging that also makes clear the problem is solvable — was in 2006 and 2007 with the release of An Inconvenient Truth (and the 4 assessment reports of the Intergovernmental Panel on Climate Change and media coverage like the April 2006 cover of Time). The data suggest that strategy measurably moved the public to become more concerned about the threat posed by global warming (see recent study here). You’d think it would be pretty obvious that the public is not going to be concerned about an issue unless one explains why they should be concerned about an issue. And the social science literature, including the vast literature on advertising and marketing, could not be clearer that only repeated messages have any chance of sinking in and moving the needle. Because I doubt any serious movement of public opinion or mobilization of political action could possibly occur until these myths are shattered, I’ll do a multipart series on this subject, featuring public opinion analysis, quotes by leading experts, and the latest social science research. Since this is Oscar night, though, it seems appropriate to start by looking at what messages the public are exposed to in popular culture and the media. It ain’t doomsday. Quite the reverse, climate change has been mostly an invisible issue for several years and the message of conspicuous consumption and business-as-usual reigns supreme. The motivation for this post actually came up because I received an e-mail from a journalist commenting that the “constant repetition of doomsday messages” doesn’t work as a messaging strategy. I had to demur, for the reasons noted above. But it did get me thinking about what messages the public are exposed to, especially as I’ve been rushing to see the movies nominated for Best Picture this year. I am a huge movie buff, but as parents of 5-year-olds know, it isn’t easy to stay up with the latest movies. That said, good luck finding a popular movie in recent years that even touches on climate change, let alone one a popular one that would pass for doomsday messaging. Best Picture nominee The Tree of Life has been billed as an environmental movie — and even shown at environmental film festivals — but while it is certainly depressing, climate-related it ain’t. In fact, if that is truly someone’s idea of environmental movie, count me out. The closest to a genuine popular climate movie was the dreadfully unscientific The Day After Tomorrow, which is from 2004 (and arguably set back the messaging effort by putting the absurd “global cooling” notion in people’s heads! Even Avatar, the most successful movie of all time and “the most epic piece of environmental advocacy ever captured on celluloid,” as one producer put it, omits the climate doomsday message. One of my favorite eco-movies, “Wall-E, is an eco-dystopian gem and an anti-consumption movie,” but it isn’t a climate movie. I will be interested to see The Hunger Games, but I’ve read all 3 of the bestselling post-apocalyptic young adult novels — hey, that’s my job! — and they don’t qualify as climate change doomsday messaging (more on that later). So, no, the movies certainly don’t expose the public to constant doomsday messages on climate. Here are the key points about what repeated messages the American public is exposed to: The broad American public is exposed to virtually no doomsday messages, let alone constant ones, on climate change in popular culture (TV and the movies and even online). There is not one single TV show on any network devoted to this subject, which is, arguably, more consequential than any other preventable issue we face. The same goes for the news media, whose coverage of climate change has collapsed (see “Network News Coverage of Climate Change Collapsed in 2011“). When the media do cover climate change in recent years, the overwhelming majority of coverage is devoid of any doomsday messages — and many outlets still feature hard-core deniers. Just imagine what the public’s view of climate would be if it got the same coverage as, say, unemployment, the housing crisis or even the deficit? When was the last time you saw an “employment denier” quoted on TV or in a newspaper? The public is exposed to constant messages promoting business as usual and indeed idolizing conspicuous consumption. See, for instance, “Breaking: The earth is breaking … but how about that Royal Wedding? Our political elite and intelligentsia, including MSM pundits and the supposedly “liberal media” like, say, MSNBC, hardly even talk about climate change and when they do, it isn’t doomsday. Indeed, there isn’t even a single national columnist for a major media outlet who writes primarily on climate. Most “liberal” columnists rarely mention it. At least a quarter of the public chooses media that devote a vast amount of time to the notion that global warming is a hoax and that environmentalists are extremists and that clean energy is a joke. In the MSM, conservative pundits routinely trash climate science and mock clean energy. Just listen to, say, Joe Scarborough on MSNBC’s Morning Joe mock clean energy sometime. The major energy companies bombard the airwaves with millions and millions of dollars of repetitious pro-fossil-fuel ads. The environmentalists spend far, far less money. As noted above, the one time they did run a major campaign to push a climate bill, they and their political allies including the president explicitly did NOT talk much about climate change, particularly doomsday messaging Environmentalists when they do appear in popular culture, especially TV, are routinely mocked. There is very little mass communication of doomsday messages online. Check out the most popular websites. General silence on the subject, and again, what coverage there is ain’t doomsday messaging. Go to the front page of the (moderately trafficked) environmental websites. Where is the doomsday? If you want to find anything approximating even modest, blunt, science-based messaging built around the scientific literature, interviews with actual climate scientists and a clear statement that we can solve this problem — well, you’ve all found it, of course, but the only people who see it are those who go looking for it. Of course, this blog is not even aimed at the general public. Probably 99% of Americans haven’t even seen one of my headlines and 99.7% haven’t read one of my climate science posts. And Climate Progress is probably the most widely read, quoted, and reposted climate science blog in the world. Anyone dropping into America from another country or another planet who started following popular culture and the news the way the overwhelming majority of Americans do would get the distinct impression that nobody who matters is terribly worried about climate change. And, of course, they’d be right — see “The failed presidency of Barack Obama, Part 2.” It is total BS that somehow the American public has been scared and overwhelmed by repeated doomsday messaging into some sort of climate fatigue. If the public’s concern has dropped — and public opinion analysis suggests it has dropped several percent (though is bouncing back a tad) — that is primarily due to the conservative media’s disinformation campaign impact on Tea Party conservatives and to the treatment of this as a nonissue by most of the rest of the media, intelligentsia and popular culture.

#### Predictions and scenario building are valuable for decision-making, even if they’re not perfect

Garrett 12

Banning, In Search of Sand Piles and Butterflies, director of the Asia Program and Strategic Foresight Initiative at the Atlantic Council.

http://www.acus.org/disruptive\_change/search-sand-piles-and-butterflies

“Disruptive change” that produces “strategic shocks” has become an increasing concern for policymakers, shaken by momentous events of the last couple of decades that were not on their radar screens – from the fall of the Berlin Wall and the 9/11 terrorist attacks to the 2008 financial crisis and the “Arab Spring.” These were all shocks to the international system, predictable perhaps in retrospect but predicted by very few experts or officials on the eve of their occurrence. This “failure” to predict specific strategic shocks does not mean we should abandon efforts to foresee disruptive change or look at all possible shocks as equally plausible. Most strategic shocks do not “come out of the blue.” We can understand and project long-term global trends and foresee at least some of their potential effects, including potential shocks and disruptive change. We can construct alternative futures scenarios to envision potential change, including strategic shocks. Based on trends and scenarios, we can take actions to avert possible undesirable outcomes or limit the damage should they occur. We can also identify potential opportunities or at least more desirable futures that we seek to seize through policy course corrections. We should distinguish “strategic shocks” that are developments that could happen at any time and yet may never occur. This would include such plausible possibilities as use of a nuclear device by terrorists or the emergence of an airborne human-to-human virus that could kill millions. Such possible but not inevitable developments would not necessarily be the result of worsening long-term trends. Like possible terrorist attacks, governments need to try to prepare for such possible catastrophes though they may never happen. But there are other potential disruptive changes, including those that create strategic shocks to the international system, that can result from identifiable trends that make them more likely in the future—for example, growing demand for food, water, energy and other resources with supplies failing to keep pace. We need to look for the “sand piles” that the trends are building and are subject to collapse at some point with an additional but indeterminable additional “grain of sand” and identify the potential for the sudden appearance of “butterflies” that might flap their wings and set off hurricanes. Mohamed Bouazizi, who immolated himself December 17, 2010 in Sidi Bouzid, Tunisia, was the butterfly who flapped his wings and (with the “force multiplier” of social media) set off a hurricane that is still blowing throughout the Middle East. Perhaps the metaphors are mixed, but the butterfly’s delicate flapping destabilized the sand piles (of rising food prices, unemployed students, corrupt government, etc.) that had been building in Tunisia, Egypt, and much of the region. The result was a sudden collapse and disruptive change that has created a strategic shock that is still producing tremors throughout the region. But the collapse was due to cumulative effects of identifiable and converging trends. When and what form change will take may be difficult if not impossible to foresee, but the likelihood of a tipping point being reached—that linear continuation of the present into the future is increasingly unlikely—can be foreseen. Foreseeing the direction of change and the likelihood of discontinuities, both sudden and protracted, is thus not beyond our capabilities. While efforts to understand and project long-term global trends cannot provide accurate predictions, for example, of the GDPs of China, India, and the United States in 2030, looking at economic and GDP growth trends, can provide insights into a wide range of possible outcomes. For example, it is a useful to assess the implications if the GDPs of these three countries each grew at currently projected average rates – even if one understands that there are many factors that can and likely will alter their trajectories. The projected growth trends of the three countries suggest that at some point in the next few decades, perhaps between 2015 and 2030, China’s GDP will surpass that of the United States. And by adding consideration of the economic impact of demographic trends (China’s aging and India’s youth bulge), there is a possibility that India will surpass both China and the US, perhaps by 2040 or 2050, to become the world’s largest economy. These potential shifts of economic power from the United States to China then to India would likely prove strategically disruptive on a global scale. Although slowly developing, such disruptive change would likely have an even greater strategic impact than the Arab Spring. The “rise” of China has already proved strategically disruptive, creating a potential China-United States regional rivalry in Asia two decades after Americans fretted about an emerging US conflict with a then-rising Japan challenging American economic supremacy. Despite uncertainty surrounding projections, foreseeing the possibility (some would say high likelihood) that China and then India will replace the United States as the largest global economy has near-term policy implications for the US and Europe. The potential long-term shift in economic clout and concomitant shift in political power and strategic position away from the US and the West and toward the East has implications for near-term policy choices. Policymakers could conclude, for example, that the West should make greater efforts to bring the emerging (or re-emerging) great powers into close consultation on the “rules of the game” and global governance as the West’s influence in shaping institutions and behavior is likely to significantly diminish over the next few decades. The alternative to finding such a near-term accommodation could be increasing mutual suspicions and hostility rather than trust and growing cooperation between rising and established powers—especially between China and the United States—leading to a fragmented, zero-sum world in which major global challenges like climate change and resource scarcities are not addressed and conflict over dwindling resources and markets intensifies and even bleeds into the military realm among the major actors. Neither of these scenarios may play out, of course. Other global trends suggest that sometime in the next several decades, the world could encounter a “hard ceiling” on resources availability and that climate change could throw the global economy into a tailspin, harming China and India even more than the United States. In this case, perhaps India and China would falter economically leading to internal instability and crises of governance, significantly reducing their rates of economic growth and their ability to project power and play a significant international role than might otherwise have been expected. But this scenario has other implications for policymakers, including dangers posed to Western interests from “failure” of China and/or India, which could produce huge strategic shocks to the global system, including a prolonged economic downturn in the West as well as the East. Thus, looking at relatively slowly developing trends can provide foresight for necessary course corrections now to avert catastrophic disruptive change or prepare to be more resilient if foreseeable but unavoidable shocks occur. Policymakers and the public will press for predictions and criticize government officials and intelligence agencies when momentous events “catch us by surprise.” But unfortunately, as both Yogi Berra and Neils Bohr are credited with saying, “prediction is very hard, especially about the future.” One can predict with great accuracy many natural events such as sunrise and the boiling point of water at sea level. We can rely on the infallible predictability of the laws of physics to build airplanes and automobiles and iPhones. And we can calculate with great precision the destruction footprint of a given nuclear weapon. Yet even physical systems like the weather as they become more complex, become increasingly difficult and even inherently impossible to predict with precision. With human behavior, specific predictions are not just hard, but impossible as uncertainty is inherent in the human universe. As futurist Paul Saffo wrote in the Harvard Business Review in 2007, “prediction is possible only in a world in which events are preordained and no amount of actions in the present can influence the future outcome.” One cannot know for certain what actions he or she will take in the future much less the actions of another person, a group of people or a nation state. This obvious point is made to dismiss any idea of trying to “predict” what will occur in the future with accuracy, especially the outcomes of the interplay of many complex factors, including the interaction of human and natural systems. More broadly, the human future is not predetermined but rather depends on human choices at every turning point, cumulatively leading to different alternative outcomes. This uncertainty about the future also means the future is amenable to human choice and leadership. Trends analyses—including foreseeing trends leading to disruptive change—are thus essential to provide individuals, organizations and political leaders with the strategic foresight to take steps mitigate the dangers ahead and seize the opportunities for shaping the human destiny. Peter Schwartz nearly a decade ago characterized the convergence of trends and disruptive change as “inevitable surprises.” He wrote in Inevitable Surprises that “in the coming decades we face many more inevitable surprises: major discontinuities in the economic, political and social spheres of our world, each one changing the ‘rules of the game’ as its played today. If anything, there will be more, no fewer, surprises in the future, and they will all be interconnected. Together, they will lead us into a world, ten to fifteen years hence, that is fundamentally different from the one we know today. Understanding these inevitable surprises in our future is critical for the decisions we have to make today …. We may not be able to prevent catastrophe (although sometimes we can), but we can certainly increase our ability to respond, and our ability to see opportunities that we would otherwise miss.

#### No risk of lashout

**Kaufman**, Prof Poli Sci and IR – U Delaware, **‘9**

(Stuart J, “Narratives and Symbols in Violent Mobilization: The Palestinian-Israeli Case,” *Security Studies* 18:3, 400 – 434)

Even when hostile narratives, group fears, and opportunity are strongly present, war occurs **only if these factors are harnessed.** Ethnic narratives and fears must combine to create significant ethnic hostility among mass publics. Politicians must also seize the opportunity to manipulate that hostility, evoking hostile narratives and symbols to gain or hold power by riding a wave of chauvinist mobilization. Such mobilization is often spurred by prominent events (for example, episodes of violence) that increase feelings of hostility and make chauvinist appeals seem timely. If the other group also mobilizes and if each side's felt security needs threaten the security of the other side, the result is a security dilemma spiral of rising fear, hostility, and mutual threat that results in violence. **A virtue of** this **symbolist theory is that symbolist logic explains why** ethnic **peace is more common than ethnonationalist war.** Even if hostile narratives, fears, and opportunity exist, severe violence usually can still be avoided if ethnic elites skillfully define group needs in moderate ways and collaborate across group lines to prevent violence: this is consociationalism.17 War is likely only if hostile narratives, fears, and opportunity spur hostile attitudes, chauvinist mobilization, and a security dilemma.

#### Engagement with nuclear technocracy is critical to solve

Nordhaus 11, chairman – Breakthrough Instiute, and Shellenberger, president – Breakthrough Insitute, MA cultural anthropology – University of California, Santa Cruz, 2/25/‘11

(Ted and Michael, <http://thebreakthrough.org/archive/the_long_death_of_environmenta>)

Tenth, we are going to have to get over our suspicion of technology, especially nuclear power. There is **no credible path** to reducing global carbon emissions without an enormous expansion of nuclear power. It is the only low carbon technology we have today with the demonstrated capability to generate large quantities of centrally generated electrtic power. It is the low carbon of technology of choice for much of the rest of the world. Even uber-green nations, like Germany and Sweden, have reversed plans to phase out nuclear power as they have begun to reconcile their energy needs with their climate commitments. Eleventh, we will need to embrace again the role of the state as a direct provider of public goods. The modern environmental movement, borne of the new left rejection of social authority of all sorts, has embraced the notion of state regulation and even creation of private markets while largely rejecting the generative role of the state. In the modern environmental imagination, government promotion of technology - whether nuclear power, the green revolution, synfuels, or ethanol - almost always ends badly. Never mind that virtually the entire history of American industrialization and technological innovation is the story of government investments in the development and commercialization of new technologies. Think of a transformative technology over the last century - computers, the Internet, pharmaceutical drugs, jet turbines, cellular telephones, nuclear power - and what you will find is government investing in those technologies at a scale that private firms simply cannot replicate. Twelveth, big is beautiful. The rising economies of the developing world will continue to develop whether we want them to or not. The solution to the ecological crises wrought by modernity, technology, and progress will be more modernity, technology, and progress. The solutions to the ecological challenges faced by a planet of 6 billion going on 9 billion will not be decentralized energy technologies like solar panels, small scale organic agriculture, and a drawing of unenforceable boundaries around what remains of our ecological inheritance, be it the rainforests of the Amazon or the chemical composition of the atmosphere. Rather, these solutions will be: large central station power technologies that can meet the energy needs of billions of people increasingly living in the dense mega-cities of the global south without emitting carbon dioxide, further intensification of industrial scale agriculture to meet the nutritional needs of a population that is not only growing but eating higher up the food chain, and a whole suite of new agricultural, desalinization and other technologies for gardening planet Earth that might allow us not only to pull back from forests and other threatened ecosystems but also to create new ones. The New Ecological Politics The great ecological challenges that our generation faces demands an ecological politics that is **generative, not restrictive.** An ecological politics capable of addressing global warming will require us to reexamine virtually every prominent strand of post-war green ideology. From Paul Erlich's warnings of a population bomb to The Club of Rome's "Limits to Growth," contemporary ecological politics have consistently embraced green Malthusianism despite the fact that the Malthusian premise has persistently failed for the better part of three centuries. Indeed, the green revolution was exponentially increasing agricultural yields at the very moment that Erlich was predicting mass starvation and the serial predictions of peak oil and various others resource collapses that have followed have continue to fail. This does not mean that Malthusian outcomes are impossible, but neither are they inevitable. **We do have a choice** in the matter, but it is not the choice that greens have long imagined. The choice that humanity faces is not whether to constrain our growth, development, and aspirations or die. It is whether we will continue to innovate and accelerate technological progress in order to thrive. Human technology and ingenuity have repeatedly confounded Malthusian predictions yet green ideology continues to cast a suspect eye towards the very technologies that have allowed us to avoid resource and ecological catastrophes. But such solutions will require environmentalists to abandon the "small is beautiful" ethic that has also characterized environmental thought since the 1960's. We, the most secure, affluent, and thoroughly modern human beings to have ever lived upon the planet, must abandon both the dark, zero-sum Malthusian visions and the idealized and nostalgic fantasies for a simpler, more bucolic past in which humans lived in harmony with Nature.

#### Simulation allows us to influence state policy AND is key to agency

**Eijkman 12**

The role of simulations in the authentic learning for national security policy development: Implications for Practice / Dr. Henk Simon Eijkman. [electronic resource] <http://nsc.anu.edu.au/test/documents/Sims_in_authentic_learning_report.pdf>. Dr Henk Eijkman is currently an independent consultant as well as visiting fellow at the University of New South Wales at the Australian Defence Force Academy and is Visiting Professor of Academic Development, Annasaheb Dange College of Engineering and Technology in India. As a sociologist he developed an active interest in tertiary learning and teaching with a focus on socially inclusive innovation and culture change. He has taught at various institutions in the social sciences and his work as an adult learning specialist has taken him to South Africa, Malaysia, Palestine, and India. He publishes widely in international journals, serves on Conference Committees and editorial boards of edited books and international journal

However, whether as an approach to learning, innovation, persuasion or culture shift, policy simulations derive their power from two central features: their combination of simulation and gaming (Geurts et al. 2007). 1. The simulation element: the unique combination of simulation with role-playing.The unique simulation/role-play mix enables participants to create **possible futures** relevant to the topic being studied. This is diametrically opposed to the more traditional, teacher-centric approaches in which a future is produced for them. In policy simulations, possible futures are much more than an object of tabletop discussion and verbal speculation. ‘**No other technique** allows a group of participants to engage in collective action in a safe environment to create and analyse the futures they want to explore’ (Geurts et al. 2007: 536). 2. **The game element:** the interactive and tailor-made modelling and design of the policy game. The actual run of the policy simulation is only one step, though a most important and visible one, in a collective process of investigation, communication, and evaluation of performance. In the context of a post-graduate course in public policy development, for example, a policy simulation is a dedicated game constructed in collaboration with practitioners to achieve a high level of proficiency in relevant aspects of the policy development process. To drill down to a level of finer detail, **policy** development simulations—as forms of interactive or participatory modelling— are particularly effective in developing participant knowledge and skills in the five key areas of the policy development process (and success criteria), namely: Complexity, Communication, Creativity, Consensus, and Commitment to action (‘the five Cs’). The capacity to provide effective learning support in these five categories has proved to be particularly helpful in strategic decision-making (Geurts et al. 2007). Annexure 2.5 contains a detailed description, in table format, of the synopsis below.

#### Best data confirms our argument

**Eijkman 12**

The role of simulations in the authentic learning for national security policy development: Implications for Practice / Dr. Henk Simon Eijkman. [electronic resource] <http://nsc.anu.edu.au/test/documents/Sims_in_authentic_learning_report.pdf>. Dr Henk Eijkman is currently an independent consultant as well as visiting fellow at the University of New South Wales at the Australian Defence Force Academy and is Visiting Professor of Academic Development, Annasaheb Dange College of Engineering and Technology in India. As a sociologist he developed an active interest in tertiary learning and teaching with a focus on socially inclusive innovation and culture change. He has taught at various institutions in the social sciences and his work as an adult learning specialist has taken him to South Africa, Malaysia, Palestine, and India. He publishes widely in international journals, serves on Conference Committees and editorial boards of edited books and international journal

This is where simulations have come into their own. The operative word is ‘have’, as there is a substantive record of success, which will be shown below. The point is that simulations have demonstrated the capacity either singularly, or in combination with other learning methods, for dealing effectively with the learning demands posed by public policy development; and this is not just at post-graduate level in universities, but at the highest echelons of American military leaders and policymakers (see for example Brewer, 1984; Beriker & Druckman, 1996; Babus, Hodges & Kjonnerod, 1997; Andreozzi, 2002McCown, 2005 and attached reading list in Annexure 2.10). Policy development simulations are effective in meeting the learning needs of both early career and highly experienced practitioners. Simulations help them to deal more proficiently with a complex mix of highly adaptive, interdependent, and interactive socio-technical, political, and economic systems; their often uncertain systemic reactions; and their unpredictable unexpected and undesired effects (Glouberman & Zimmerman, 2002; Jacobsen, & Wilensky, 2006; Bekebrede, 2010; van Bilsen, Bekerede & Mayer, 2010)

#### Role of the ballot’s to simulate enactment of the plan – key to decisionmaking and fairness

Hager, professor of political science – Bryn Mawr College, ‘92

(Carol J., “Democratizing Technology: Citizen & State in West German Energy Politics, 1974-1990” *Polity*, Vol. 25, No. 1, p. 45-70)

During this phase, the citizen initiative attempted to overcome its defensive posture and **implement an alternative politics.** The strategy of legal and technical challenge might delay or even prevent plant construction, but it would not by itself accomplish the broader goal on the legitimation dimension, i.e., democratization. Indeed, it worked against broad participation. The activists had to find a viable means of achieving change. Citizens had proved they could contribute to a **substantive policy discussion.** Now, some activists turned to the parliamentary arena as a possible forum for an energy dialogue. Until now, parliament had been conspicuously absent as a relevant policy maker, but if parliament could be reshaped and activated, citizens would have a forum in which to address the broad questions of policy-making goals and forms. They would also have an **institutional lever** with which to pry apart the bureaucracy and utility. None of the established political parties could offer an alternative program. Thus, local activists met to discuss forming their own voting list. These discussions provoked internal dissent. Many citizen initiative members objected to the idea of forming a political party. If the problem lay in the role of parliament itself, another political party would not solve it. On the contrary, parliamentary participation was likely to destroy what political innovations the extraparliamentary movement had made. Others argued that a political party would give the movement an institutional platform from which to introduce some of the grassroots democratic political forms the groups had developed. Founding a party as the parliamentary arm of the citizen movement would allow these groups to play an active, critical role in institutionalized politics, participating in the policy debates while retaining their outside perspective. Despite the disagreements, the Alternative List for Democracy and Environmental Protection Berlin (AL) was formed in 1978 and first won seats in the Land parliament with 7.2 percent of the vote in 1981.43 The founders of the AL were encouraged by the success of newly formed local green parties in Lower Saxony and Hamburg,44 whose evolution had been very similar to that of the West Berlin citizen move-ment. Throughout the FRG, unpopular administrative decisions affect-ing local environments, generally in the form of state-sponsored indus-trial projects, prompted the development of the citizen initiative and ecology movements. The groups in turn focused constant attention on state planning "errors," calling into question not only the decisions themselves, but also the conventional forms of political decision making that produced them.45 Disgruntled citizens increasingly aimed their critique at the established political parties, in particular the federal SPD/ FDP coalition, which seemed unable to cope with the economic, social, and political problems of the 1970s. Fanned by publications such as the Club of Rome's report, "The Limits to Growth," the view spread among activists that the crisis phenomena were not merely a passing phase, but indicated instead "a long-term structural crisis, whose cause lies in the industrial-technocratic growth society itself."46 As they broadened their critique to include the political **system as a whole**, many grassroots groups found the extraparliamentary arena too restrictive. Like many in the West Berlin group, they reasoned that the necessary change would require a degree of political restructuring that could only be accomplished through their direct participation in parliamentary politics. Green/alternative parties and voting lists sprang up nationwide and began to win seats in local assemblies. The West Berlin Alternative List saw itself not as a party, but as the parliamentary arm of the citizen initiative movement. One member explains: "the starting point for alternative electoral participation was simply the notion of achieving a greater audience for [our] own ideas and thus to work in support of the extraparliamentary movements and initia-tives,"47 including non-environmentally oriented groups. The AL wanted to avoid developing structures and functions autonomous from the citizen initiative movement. Members adhered to a list of principles, such as rotation and the imperative mandate, designed to keep parliamentarians attached to the grassroots. Although their insistence on grassroots democracy often resulted in interminable heated discussions, the participants recognized the importance of experimenting with new forms of decision making, of not succumbing to the same hierarchical forms they were challenging. Some argued that the proper role of citizen initiative groups was not to represent the public in government, but to mobilize other citizens to **participate directly in politics themselves**; self-determination was the aim of their activity.48 Once in parliament, the AL proposed establishmento f a temporary parliamentaryco mmissiont o studye nergyp olicy,w hichf or the first time would draw all concernedp articipantst ogetheri n a discussiono f both short-termc hoicesa nd long-termg oals of energyp olicy. With help from the SPD faction, which had been forced into the opposition by its defeat in the 1981 elections, two such commissions were created, one in 1982-83 and the other in 1984-85.49T hese commissionsg ave the citizen activists the forum they sought to push for modernizationa nd technicali nnovation in energy policy. Although it had scaled down the proposed new plant, the utility had produced no plan to upgrade its older, more polluting facilities or to install desulfurizationd evices. With proddingf rom the energyc ommission, Land and utility experts began to formulate such a plan, as did the citizen initiative. By exposing administrative failings in a public setting, and **by producing a** modernization **plan itself**, the combined citizen initiative and AL forced bureaucratic authorities to push the utility for improvements. They also forced the authorities to consider different technological solutions to West Berlin's energy and environmental problems. In this way, the activists served as technological innovators. In 1983, the first energy commission submitted a list of recommendations to the Land parliament which reflected the influence of the citizen protest movement. It emphasized goals of demand reduction and efficiency, noted the value of expanded citizen participation and urged authorities to "investigate more closely the positive role citizen participation can play in achieving policy goals."50 The second energy commission was created in 1984 to discuss the possibilities for modernization and shutdown of old plants and use of new, environmentally friendlier and cheaper technologies for electricity and heat generation. Its recommendations strengthened those of the first commission.51 Despite the non-binding nature of the commissions' recommendations, the public discussion of energy policy motivated policy makers to take stronger positions in favor of environmental protection. III. Conclusion The West Berlin energy project eventually cleared all planning hurdles, and construction began in the early 1980s. The new plant now conforms to the increasingly stringent environmental protection requirements of the law. The project was delayed, scaled down from 1200 to 600 MW, moved to a neutral location and, unlike other BEWAG plants, equipped with modern desulfurization devices. That the new plant, which opened in winter 1988-89, is the technologically most advanced and environmen-tally sound of BEWAG's plants is due entirely to the long legal battle with the citizen initiative group, during which nearly every aspect of the original plans was changed. In addition, through the efforts of the Alter-native List (AL) in parliament, the Land government and BEWAG formulated a long sought modernization and environmental protection plan for all of the city's plants. The AL prompted the other parliamentary parties to take pollution control seriously. Throughout the FRG, energy politics evolved in a similar fashion. As Habermas claimed, underlying the **objections against particular projects** was a reaction against the administrative-economic system in general. One author, for example, describes the emergence of two-dimensional protest against nuclear energy: The resistance against a concrete project became understood simul-taneously as resistance against the entire atomic program. Questions of energy planning, of economic growth, of understanding of democracy entered the picture. . . . Besides concern for human health, for security of conditions for human existence and protec-tion of nature arose critique of what was perceived as undemocratic planning, the "shock" of the delayed public announcement of pro-ject plans and the fear of political decision errors that would aggra-vate the problem.52 This passage supports a West Berliner's statement that the citizen initiative began with a project critique and arrived at *Systemkritik*.53 I have labeled these two aspects of the problem the public policy and legitima-tion dimensions. In the course of these conflicts, the legitimation dimen-sion emergd as the more important and in many ways the more prob-lematic. Parliamentary Politics In the 1970s, energy politics began to develop in the direction Offe de-scribed, with bureaucrats and protesters avoiding the parliamentary channels through which they should interact. The citizen groups them-selves, however, have to a degree reversed the slide into irrelevance of parliamentary politics. Grassroots groups overcame their defensive posture enough to begin to **formulate an alternative politics**, based upon concepts such as decision making through mutual understanding rather than technical criteria or bargaining. This new politics required new modes of interaction which the old corporatist or pluralist forms could not provide. Through the formation of green/alternative parties and voting lists and through new parliamentary commissions such as the two described in the case study, some members of grassroots groups attempted to both operate within the political system and fundamentally change it, to restore the link between bureaucracy and citizenry. Parliamentary politics was partially revived in the eyes of West German grassroots groups as a legitimate realm of citizen participation, an outcome the theory would not predict. It is not clear, however, that strengthening the parliamentary system would be a desirable outcome for everyone. Many remain skeptical that institutions that operate as part of the "system" can offer the kind of substantive participation that grass-roots groups want. The constant tension between institutionalized politics and grassroots action emerged clearly in the recent internal debate between "fundamentalist" and "realist" wings of the Greens. Fundis wanted to keep a firm footing outside the realm of institutionalized politics. They refused to bargain with the more established parties or to join coalition governments. Realos favored participating in institutionalized politics while pressing their grassroots agenda. Only this way, they claimed, would they have a chance to implement at least some parts of their program. This internal debate, which has never been resolved, can be interpreted in different ways. On one hand, the tension limits the appeal of green and alternative parties to the broader public, as the Greens' poor showing in the December 1990 all-German elections attests. The failure to come to agreement on basic issues can be viewed as a hazard of grass-roots democracy. The Greens, like the West Berlin citizen initiative, are opposed in principle to forcing one faction to give way to another. Disunity thus persists within the group. **On the other hand**, the tension can be understood not as a failure, but as a kind of success: grassroots politics has not been absorbed into the bureaucratized system; it retains its critical dimension, both in relation to the political system and within the groups themselves. The **lively debate** stimulated by grassroots groups and parties **keeps questions of democracy on the public agenda.** Technical Debate In West Berlin, the two-dimensionality of the energy issue forced citizen activists to become both participants in and critics of the policy process. In order to defeat the plant, **activists engaged in technical debate.** They won several decisions in favor of environmental protection, often **proving to be more informed than bureaucratic experts** themselves. The case study demonstrates that grassroots groups, far from impeding techno-logical advancement, can actually serve as technological innovators. The activists' role as technical experts, while it helped them achieve some success on the policy dimension, had mixed results on the legitimation dimension. On one hand, it helped them to challenge the legitimacy of technocratic policy making. They turned back the Land government's attempts to displace political problems by formulating them in technical terms.54 By demonstrating the fallibility of the technical arguments, activists forced authorities to acknowledge that energy demand was a political variable, whose value at any one point was as much influenced by the choices of policy makers as by independent technical criteria. Submission to the form and language of technical debate, however, weakened activists' attempts to introduce an alternative, goal-oriented form of decision making into the political system. Those wishing to par-ticipate in energy politics on a long-term basis have had to accede to the language of bureaucratic discussion, if not the legitimacy of bureaucratic authorities. They have helped break down bureaucratic authority but have not yet offered a viable long-term alternative to bureaucracy. In the tension between form and language, goals and procedure, the legitima-tion issue persists. At the very least, however, grassroots action challenges critical theory's notion that technical discussion is inimical to democratic politics.55 Citizen groups have raised the possibility of a dialogue that is both technically sophisticated and democratic. In sum, although the legitimation problems which gave rise to grass-roots protest have not been resolved, citizen action has worked to counter the marginalization of parliamentary politics and the technocratic character of policy debate that Offe and Habermas identify. The West Berlin case suggests that the solutions to current legitimation problems may not require total repudiation of those things previously associated with technocracy.56 In Berlin, the citizen initiative and AL continue to search for new, more legitimate forms of organization consistent with their principles. No permanent Land parliamentary body exists to coordinate and con-solidate energy policy making.57 In the 1989 Land elections, the CDU/ FDP coalition was defeated, and the AL formed a governing coalition with the SPD. In late 1990, however, the AL withdrew from the coali-tion. It remains to be seen whether the AL will remain an effective vehi-cle for grassroots concerns, and whether the citizenry itself, now includ-ing the former East Berliners, will remain active enough to give the AL direction as united Berlin faces the formidable challenges of the 1990s. On the policy dimension, grassroots groups achieved some success. On the legitimation dimension, it is difficult to judge the results of grass-roots activism by normal standards of efficacy or success. Activists have certainly not radically restructured politics. They agree that democracy is desirable, but troublesome questions persist about the degree to which those processes that are now bureaucratically organized can and should be restructured, where grassroots democracy is possible and where bureaucracy is necessary in order to get things done. In other words, grassroots groups have tried to remedy the Weberian problem of the marginalization of politics, but it is not yet clear what the boundaries of the political realm should be. It is, however, the act of calling existing boundaries into question that keeps democracy vital. In raising alternative possibilities and encouraging citizens to take an active, critical role in their own governance, the **contribution of grassroots** environmental **groups has been significant.** As Melucci states for new social movements in general, these groups mount a "symbolic" challenge by proposing "a different way of perceiving and naming the world."58 Rochon concurs for the case of the West German peace movement, noting that its effect on the public discussion of secur-ity issues **has been tremendous**.59 The effects of the legitimation issue in the FRG are evident in increased citizen interest in areas formerly left to technical experts. Citizens have formed nationwide associations of environmental and other grassroots groups as well as alternative and green parties at all levels of government. The level of information within the groups is generally quite high, and their participation, especially in local politics, has raised the awareness and engagement of the general populace noticeably.60 **Policy concessions** and new legal provisions for citizen participation **have not quelled grassroots action.** The attempts of the established political parties to coopt "green" issues have also met with limited success. Even green parties themselves have not tapped the full potential of public support for these issues. The persistence of legitima-tion concerns, along with the growth of a culture of informed political activism, will ensure that the search continues for a space for a delibera-tive politics in modern technological society.61

# 2AC

## case

#### Commercialization solves electrification

S. I. Bhuiyan 8, Bangladesh Atomic Energy Commission, “Nuclear Power: An Inevitable Option for Sustainable Development of the Developing Nations to meet the Energy Challenges of the 21st Century”, International Symposium on the Peaceful Applications of Nuclear Technology in the GCC Countries, http://library.kau.edu.sa/Files/320/Researches/47384\_18845.pdf

Energy is a vital infrastructure for attaining goals of socioeconomic development of any country. Thus providing safe, reliable energy in economically acceptable ways is an essential political, economic and social requirement. The levels of economic development, human welfare and standards of living depend upon energy services. Disparities in energy availability mirror the economic disparities among developed and developing countries. The richest 20% of the global population had consumed about 55% of the total energy and they are producing and consuming 80% of value of all goods and services. On the other hand, the poorest 20% use only 5% of total energy and dispose only 1% of global economic product [1]. Disparities in consumption of electricity among individual countries and among different social strata are even more pronounced. These large disparities combined with future population growth, economic development, and technological progress are important drivers of future energy demand and supply. World population is expected to double by the middle of 21st century. The substantial social and economic developments need to continue, particularly in the developing countries. It is seen in the recent studies that the demand for energy, especially electricity in developing countries is expected to increase by a factor of 2.5 to 3 fold over the next years and 5 to 7 folds by 2050 as they undergo industrialization, experience increased urbanization and improve the living standards of growing population [2]. The share of developing countries in the global energy demand will increase from about 35% to about 60% in the year 2050, while the combined share of industrialized countries and the Central and Eastern European (EEU) countries in the global demand in the year 2050 is expected to decrease to about 23.5% from 50%. Nonetheless the distinction between developed and developing countries in today’s sense will no longer be appropriate. The major part of global energy demand is met through fossil fuels. But the future scenario of global primary energy supply is difficult to ascertain because of complex issues like economics of energy production, strategy of individual supplier country on resource extraction, international politics on energy, the dynamics of the international energy market on a long-term perspective. In addition, emission of greenhouse gases and significant damaging impacts of fossil fuels uses will have significant influences on the future supply-mix. Selection of technology is the other important dimension of energy development plans. The rapid growth in energy demand is one of vital issues for economic development of the country. The demand for energy and hence the related technologies are expected to grow on a faster track in the developing world. Therefore, the sustainable energy development becomes the concern of developing countries. In order to cope with sustainable development, they have to spend the huge amount of valuable foreign fund to import energy every year. Moreover, the price of these fossil fuels is very much uncertain and the developing countries have suffered several times to barter these fuels. For a fast growing, reliable, economically viable, secured and sustainable energy development, the policy planners, decision makers and development planners should address urgently the issues, strategies and proven technology for mid-term and long-term energy planning by considering indigenous energy resources, existing consumption pattern of energy and environmental issues of energy. Since the nuclear power is being considered as a viable option for sustainable energy in many countries due to a little pollution to the environment, low fuel cost, proven technology and ability to produce a large amount of electricity, it is an option for sustainable energy development of a developing country. In the following sections, the justification of introduction of nuclear energy in the overall energy mix for long-term energy planning in a developing country with limited indigenous resources are explained.

## tech

#### Their impact is wrong – debate over even the most technical issues improves decision-making and advocacy

**Hager**, professor of political science – Bryn Mawr College, **‘92**

(Carol J., “Democratizing Technology: Citizen & State in West German Energy Politics, 1974-1990” *Polity*, Vol. 25, No. 1, p. 45-70)

What is the role of the citizen in the modern technological state? As political decisions increasingly involve complex technological choices, does a citizen's ability to participate in **decision making** diminish? These questions, long a part of theoretical discourse, gained new salience with the rise of **grassroots environmental protest in advanced industrial states.** In West Germany, where a strong environmental movement arose in the 1970s, protest has centered as much on questions of democracy as it has on public policy. Grassroots groups challenged not only the construction of large technological projects, especially power plants, but also the **legitimacy of the bureaucratic institutions** which produced those projects. Policy studies generally ignore the legitimation aspects of public policy making.2 A discussion of both dimensions, however, is crucial for understanding the significance of grassroots protest for West German political development in the technological age and for assessing the likely direction of citizen politics in united Germany. In the field of energy politics, West German citizen initiative groups tried to politicize and ultimately to democratize policy making.3 The **technicality** **of the issue** **was not a barrier** to their participation. On the contrary, **grassroots groups proved to be able participants in technical energy debate, often proposing innovative solutions to technological problems.** Ultimately, however, they wanted not to become an elite of "counterexperts," but **to create a political discourse between policy makers and citizens** through which the **goals of energy policy could be recast** and its legitimacy restored. Only a deliberative, expressly democratic form of policy making, they argued, could enjoy the support of the populace. To this end, protest groups developed new, grassroots democratic forms of decision making within their own organizations, which they then tried to transfer to the political system at large. The legacy of grassroots **energy protest in West Germany** is twofold. First, it **produced major substantive changes in public policy.** Informed citizen pressure was largely responsible for the introduction of new plant and pollution control technologies. Second, grassroots protest **undermined** the **legitimacy** of bureaucratic experts. Yet, an acceptable forum for a broadened political discussion of energy issues has not been found; the energy debate has taken place largely outside the established political institutions. Thus, the legitimation issue remains unresolved. It is likely to reemerge as Germany deals with the problems of the former German Democratic Republic. Nevertheless, an evolving ideology of citizen participationa vision of "technological democracy"-is an important outcome of grassroots action.

## nukes

#### We solve in-spite of lifetime emissions

**WNA 11**, World Nuclear Association, “Comparison of Lifecycle Greenhouse Gas Emissions of Various Electricity Generation Sources”, July, http://www.world-nuclear.org/uploadedFiles/org/reference/pdf/comparison\_of\_lifecycle.pdf

Nuclear power plants achieve a high degree of safety through the defence-in-depth approach where, among other things, the plant is designed with multiple physical barriers. These additional physical barriers are generally not built within other electrical generating systems, and as such, the greenhouse gas emissions attributed to construction of a nuclear power plant are higher than emissions resulting from construction of other generation methods. These additional emissions are accounted for in each of the studies included in Figure 2. Even when emissions from the additional safety barriers are included, the lifecycle emissions of nuclear energy are considerably lower than fossil fuel based generation methods. Averaging the results of the studies places nuclear energy’s 30 tonnes CO2e/GWh emission intensity at 7% of the emission intensity of natural gas, and only 3% of the emission intensity of coal fired power plants. In addition, the lifecycle GHG emission intensity of nuclear power generation is consistent with renewable energy sources including biomass, hydroelectric and wind.

## at: security

#### Imaging catastrophic outcomes creates a safe space to craft hypothetical solutions – they’re paralyzed by their fear of fear

Kathryn **Yusoff and**, researcher at the Environment Center of the University of Lancaster, Jennifer **Gabrys 11**, professor of design at the University of London, “Climate change and the imagination”, <http://www.marymattingly.com/images/press/WIREs_ClimateChange.pdf>

Buell suggests that this framing reveals that the greatest threat is perceived not as the threats themselves, but our perception of them. Research into public perceptions of climate change has revealed confused61 and often contradictory understandings of climate change,62 which can hinder the ability to identify effective strategies to address it.63–65 This perceptual confusion often becomes manifest over time in shifting opinions about the risk of climate change and its veracity, and is highly dependent on the preoccupations of media coverage.66 Buell also suggests that there is a perception that environmental concern will only be activated by a great ecological disaster: a ‘Great Ecological Spasm’, as he calls it.60 But this, he says is ‘only a permutation of the first: in both cases, the imagination is being used to anticipate and, if possible, forestall actual apocalypse’.60 What becomes clear is that the imagination not only shapes the perception of the climate change but co-fabricates it in ways that effect the possibilities to act on it. In this sense, imagination is not external to the object of study (climate change), but actively produces it as an event in differentiated ways: rational, apocalyptic, modernist, scientific, utopic (heralding the end of capitalism), and ontological. Much has been said against the ‘doom-laden’ narratives of climate change as being unhelpful,67 a distraction, or simply as the source of misinformation, and research that has examined the shifting tides of media attention that are given to climate change has borne out this critique. But to frame all such attempts to engage with disastrous or catastrophic renderings of climate change as negative misses the point of the creative role of fiction and the cautionary offerings of the disaster.68,69 A story at its best, asks us to imagine alongside the protagonist of a story the full range of emotional challenges and difficult choices that have to be made once all the usual landscape markers and reference points have shifted or disappeared. While films like The Day after Tomorrow focus on the catastrophic event of climate change and revel in its spectacular destruction,70 Cormac McCarthy’s The Road (2006) and J G Ballard’s The Drowned World (1999) push us toward imagining what it will be like to live on through the disaster, in a post-apocalyptic world of everyday survival. Novels such as The Road and Margret Atwood’s Year of the Flood71 provoke us to think about what it might be like to endure and survive, both emotionally and practically, within changed environments. Distinct climate-change works to emerge in recent years include Ian McEwans’ Solar (2010) about a washed-up academic on the international climate-change circuit; Doris Lessing’s Mara and Dann (1999) set in a new Ice Age in Africa; and Kim Stanley Robinson’s trilogy, Forty Signs of Rain (2004), Fifty Degrees Below (2005), and Sixty Days and Counting (2007), which deals with ecological and sociological themes of climate change through the lens of the National Science Foundation, while exploring themes of alternative utopianism.72 Frederic Jameson writes about Stanley Robinsons’ Science Fiction (SF): ‘Utopia as a form is not the representation of radical alternatives: it is simply the imperative to imagine them’.73 Frederic Jameson sees SF as a crucial intervention in social thought, a cognitive space of critical imagining that offers a ‘representational mediation on radical difference’.73 The utopian potential of SF is its ability as a narrative form to imagine an outside to scientific knowledge, while maintaining a dialectic relation to it, thus making us aware of our epistemic limitations.74 As James Kneale and Rob Kitchin argue, SF can be seen more as ‘a gap: between science and fiction’, an ‘interest in the fragile fabrication of mimesis’ that offers ‘a privileged site for critical thought’.75 What writers like Stanley Robinson make clear is that science fiction takes the most speculative dimensions of science and imagines what these speculations might look like if they were to become manifest in the world.76 In this sense, speculative science fiction is a cultural meditation on risk. Imaginings of devastated social and environmental landscapes are often absent from political and scientific understandings of climate change, which take epistemological or rational approaches, often eschewing speculative or polemical descriptions of future scenarios. Yet, fiction can allow us to trace the contours of a changed world and to experience its dislocation across social, cultural, and emotional registers. Many environmental disaster novels are then landscape novels in which the protagonists must cultivate a relation to the destroyed and changed landscape in order to survive, as Ballard describes: This growing isolation and self-containment, exhibited by the other members of the unit. . . reminded Kerans of the slackening metabolism and biological withdrawal of all animal forms about to undergo a major metamorphosis. Sometimes he wondered what zone of transit he himself was entering, sure that his own withdrawal was symptomatic not of a dormant schizophrenia, but of a careful preparation for a radically new environment, with its own internal landscape and logic, where old categories of thought would merely be an encumbrance (Ref 77). This fictional journey then becomes both a form of emotional and social adaptation for the protagonists and the reader, a means to rethink a radically new environment. Held as we are through emotional bonds formed with the protagonists, the passage through altered landscapes may be crucial to how we culturally adapt to the new landscapes of climate change. Fear and hope about climate change may or may not drive action, but they are a part of how we register and understand environmental change, and in this sense they are instructive to understanding the imaginings not just of futures, but also of modes of adaptation. In this sense, the imagination of climate change landscapes is an entry point for examining environmental relations to identity, place, practices,78 and nonhumans,79 what can be referred to as the environmental imagination.

## at: social death

#### No social death – history proves

Vincent **Brown**, Prof. of History and African and African-American Studies @ Harvard Univ., December 20**09**, "Social Death and Political Life in the Study of Slavery," American Historical Review, p. 1231-1249

THE PREMISE OF ORLANDO PATTERSON’S MAJOR WORK, that enslaved Africans were natally alienated and culturally isolated, was challenged even before he published his influential thesis, primarily by scholars concerned with “survivals” or “retentions” of African culture and by historians of slave resistance. In the early to mid-twentieth century, when Robert Park’s view of “the Negro” predominated among scholars, it was generally assumed that the slave trade and slavery had denuded black people of any ancestral heritage from Africa. The historians Carter G. Woodson and W. E. B. Du Bois and the anthropologist Melville J. Herskovits argued the opposite. Their research supported the conclusion that while enslaved Africans could not have brought intact social, political, and religious institutions with them to the Americas, they did maintain significant aspects of their cultural backgrounds.32 Herskovits ex- amined “Africanisms”—any practices that seemed to be identifiably African—as useful symbols of cultural survival that would help him to analyze change and continuity in African American culture.33 He engaged in one of his most heated scholarly disputes with the sociologist E. Franklin Frazier, a student of Park’s, who empha- sized the damage wrought by slavery on black families and folkways.34 More recently, a number of scholars have built on Herskovits’s line of thought, enhancing our understanding of African history during the era of the slave trade. Their studies have evolved productively from assertions about general cultural heritage into more precise demonstrations of the continuity of worldviews, categories of belonging, and social practices from Africa to America. For these scholars, the preservation of distinctive cultural forms has served as an index both of a resilient social personhood, or identity, and of resistance to slavery itself. 35

Scholars of slave resistance have never had much use for the concept of social death. The early efforts of writers such as Herbert Aptheker aimed to derail the popular notion that American slavery had been a civilizing institution threatened by “slave crime.”36 Soon after, studies of slave revolts and conspiracies advocated the idea that resistance demonstrated the basic humanity and intractable will of the enslaved—indeed, they often equated acts of will with humanity itself. As these writ- ers turned toward more detailed analyses of the causes, strategies, and tactics of slave revolts in the context of the social relations of slavery, they had trouble squaring abstract characterizations of “the slave” with what they were learning about the en- slaved.37 Michael Craton, who authored Testing the Chains: Resistance to Slavery in the British West Indies, was an early critic of Slavery and Social Death, protesting that what was known about chattel bondage in the Americas did not confirm Patterson’s definition of slavery. “If slaves were in fact ‘generally dishonored,’ ” Craton asked, “how does he explain the degrees of rank found among all groups of slaves—that is, the scale of ‘reputation’ and authority accorded, or at least acknowledged, by slave and master alike?” How could they have formed the fragile families documented by social historians if they had been “natally alienated” by definition? Finally, and per- haps most tellingly, if slaves had been uniformly subjected to “permanent violent domination,” they could not have revolted as often as they did or shown the “varied manifestations of their resistance” that so frustrated masters and compromised their power, sometimes “fatally.”38 The dynamics of social control and slave resistance falsified Patterson’s description of slavery even as the tenacity of African culture showed that enslaved men, women, and children had arrived in the Americas bearing much more than their “tropical temperament.”

The cultural continuity and resistance schools of thought come together pow- erfully in an important book by Walter C. Rucker, The River Flows On: Black Re- sistance, Culture, and Identity Formation in Early America. In Rucker’s analysis of slave revolts, conspiracies, and daily recalcitrance, African concepts, values, and cul- tural metaphors play the central role. Unlike Smallwood and Hartman, for whom “the rupture was the story” of slavery, Rucker aims to reveal the “perseverance of African culture even among second, third, and fourth generation creoles.”39 He looks again at some familiar events in North America—New York City’s 1712 Coromantee revolt and 1741 conspiracy, the 1739 Stono rebellion in South Carolina, as well as the plots, schemes, and insurgencies of Gabriel Prosser, Denmark Vesey, and Nat Turner—deftly teasing out the African origins of many of the attitudes and actions of the black rebels. Rucker outlines how the transformation of a “shared cultural heritage” that shaped collective action against slavery corresponded to the “various steps Africans made in the process of becoming ‘African American’ in culture, orientation, and identity.”40

#### The invocation of social death as ontologically inevitable inscribes a pessimism towards politics which makes agency impossible and oversimplifies the history of resistance

Vincent **Brown**, Prof. of History and African and African-American Studies @ Harvard Univ., December 20**09**, "Social Death and Political Life in the Study of Slavery," American Historical Review, p. 1231-1249

Specters of the Atlantic is a compellingly sophisticated study of the relation be- tween the epistemologies underwriting both modern slavery and modern capitalism, but the book’s discussion of the politics of anti-slavery is fundamentally incomplete. While Baucom brilliantly traces the development of “melancholy realism” as an op- positional discourse that ran counter to the logic of slavery and finance capital, he has very little to say about the enslaved themselves. Social death, so well suited to the tragic perspective, stands in for the experience of enslavement. While this heightens the reader’s sense of the way Atlantic slavery haunts the present, Baucom largely fails to acknowledge that the enslaved performed melancholy acts of accounting not unlike those that he shows to be a fundamental component of abolitionist and human rights discourses, or that those acts could be a basic element of slaves’ oppositional activities. In many ways, the effectiveness of his text depends upon the silence of slaves—it is easier to describe the continuity of structures of power when one down- plays countervailing forces such as the political activity of the weak. So Baucom’s deep insights into the structural features of Atlantic slave trading and its afterlife come with a cost. Without engagement with the politics of the enslaved, slavery’s history serves as an effective charge leveled against modernity and capitalism, but not as an uneven and evolving process of human interaction, and certainly not as a locus of conflict in which the enslaved sometimes won small but important victories.11

Specters of the Atlantic is self-consciously a work of theory (despite Baucom’s prodigious archival research), and social death may be largely unproblematic as a matter of theory, or even law. In these arenas, as David Brion Davis has argued, “the slave has no legitimate, independent being, no place in the cosmos except as an instrument of her or his master’s will.”12 But the concept often becomes a general description of actual social life in slavery. Vincent Carretta, for example, in his au- thoritative biography of the abolitionist writer and former slave Olaudah Equiano, agrees with Patterson that because enslaved Africans and their descendants were “stripped of their personal identities and history, [they] were forced to suffer what has been aptly called ‘social death.’ ” The self-fashioning enabled by writing and print “allowed Equiano to resurrect himself publicly” from the condition that had been imposed by his enslavement.13 The living conditions of slavery in eighteenth-century Jamaica, one slave society with which Equiano had experience, are described in rich detail in Trevor Burnard’s unflinching examination of the career of Thomas Thistle- wood, an English migrant who became an overseer and landholder in Jamaica, and who kept a diary there from 1750 to 1786. Through Thistlewood’s descriptions of his life among slaves, Burnard glimpses a “world of uncertainty,” where the enslaved were always vulnerable to repeated depredations that actually led to “significant slave dehumanization as masters sought, with considerable success, to obliterate slaves’ personal histories.” Burnard consequently concurs with Patterson: “slavery completely stripped slaves of their cultural heritage, brutalized them, and rendered ordinary life and normal relationships extremely difficult.”14 This was slavery, after all, and much more than a transfer of migrants from Africa to America.15 Yet one wonders, after reading Burnard’s indispensable account, how slaves in Jamaica or- ganized some of British America’s greatest political events during Thistlewood’s time and after, including the Coromantee Wars of the 1760s, the 1776 Hanover conspiracy, and the Baptist War of 1831–1832. Surely they must have found some way to turn the “disorganization, instability, and chaos” of slavery into collective forms of belonging and striving, making connections when confronted with alien- ation and finding dignity in the face of dishonor. Rather than pathologizing slaves by allowing the condition of social death to stand for the experience of life in slavery, then, it might be more helpful to focus on what the enslaved actually made of their

situation.

Among the most insightful texts to explore the experiential meaning of Afro- Atlantic slavery (for both the slaves and their descendants) are two recent books by Saidiya Hartman and Stephanie Smallwood. Rather than eschewing the concept of social death, as might be expected from writing that begins by considering the per- spective of the enslaved, these two authors use the idea in penetrating ways. Hart- man’s Lose Your Mother: A Journey along the Atlantic Slave Route and Smallwood’s Saltwater Slavery: A Middle Passage from Africa to American Diaspora extend social death beyond a general description of slavery as a condition and imagine it as an experience of self. Here both the promise and the problem with the concept are most fully apparent.16

Both authors seek a deeper understanding of the experience of enslavement and its consequences for the past, present, and future of black life than we generally find in histories of slavery. In Hartman’s account especially, slavery is not only an object of study, but also the focus of a personal memoir. She travels along a slave route in Ghana, from its coastal forts to the backcountry hinterlands, symbolically reversing the first stage of the trek now commonly called the Middle Passage. In searching prose, she meditates on the history of slavery in Africa to explore the precarious nature of belonging to the social category “African American.” Rendering her re- markable facility with social theory in elegant and affective terms, Hartman asks the question that nags all identities, but especially those forged by the descendants of slaves: What identifications, imagined affinities, mythical narratives, and acts of re- membering and forgetting hold the category together? Confronting her own alienation from any story that would yield a knowable genealogy or a comfortable identity, Hartman wrestles with what it means to be a stranger in one’s putative motherland, to be denied country, kin, and identity, and to forget one’s past—to be an orphan.17 Ultimately, as the title suggests, Lose Your Mother is an injunction to accept dis- possession as the basis of black self-definition.

Such a judgment is warranted, in Hartman’s account, by the implications of social death both for the experience of enslavement and for slavery’s afterlife in the present. As Patterson delineated in sociological terms the death of social personhood and the reincorporation of individuals into slavery, Hartman sets out on a personal quest to “retrace the process by which lives were destroyed and slaves born.”18 When she contends with what it meant to be a slave, she frequently invokes Patterson’s idiom: “Seized from home, sold in the market, and severed from kin, the slave was for all intents and purposes dead, no less so than had he been killed in combat. No less so than had she never belonged to the world.” By making men, women, and children into commodities, enslavement destroyed lineages, tethering people to own- ers rather than families, and in this way it “annulled lives, transforming men and women into dead matter, and then resuscitated them for servitude.” Admittedly, the enslaved “lived and breathed, but they were dead in the social world of men.”19 As it turns out, this kind of alienation is also part of what it presently means to be African American. “The transience of the slave’s existence,” for example, still leaves its traces in how black people imagine and speak of home:

We never tire of dreaming of a place that we can call home, a place better than here, wherever here might be . . . We stay there, but we don’t live there . . . Staying is living in a country without exercising any claims on its resources. It is the perilous condition of existing in a world in which you have no investments. It is having never resided in a place that you can say is yours. It is being “of the house” but not having a stake in it. Staying implies transient quarters, a makeshift domicile, a temporary shelter, but no attachment or affiliation. This sense of not belonging and of being an extraneous element is at the heart of slavery.20

“We may have forgotten our country,” Hartman writes, “but we haven’t forgotten our dispossession.”21

Like Baucom, Hartman sees the history of slavery as a constituent part of a tragic present. Atlantic slavery continues to be manifested in black people’s skewed life chances, poor education and health, and high rates of incarceration, poverty, and premature death. Disregarding the commonplace temporalities of professional historians, whose literary conventions are generally predicated on a formal distinction between past, present, and future, Hartman addresses slavery as a problem that spans all three. The afterlife of slavery inhabits the nature of belonging, which in turn guides the “freedom dreams” that shape prospects for change. “If slavery persists as an issue in the political life of black America,” she writes, “it is not because of an antiquated obsession with bygone days or the burden of a too-long memory, but because black lives are still imperiled and devalued by a racial calculus and a political arithmetic that were entrenched centuries ago.”22

A professor of English and comparative literature, Hartman is in many respects in a better position than most historians to understand events such as the funeral aboard the Hudibras. This is because for all of her evident erudition, her scholarship is harnessed not so much to a performance of mastery over the facts of what hap- pened, which might substitute precision for understanding, as to an act of mourning, even yearning. She writes with a depth of introspection and personal anguish that is transgressive of professional boundaries but absolutely appropriate to the task. Reading Hartman, one wonders how a historian could ever write dispassionately about slavery without feeling complicit and ashamed. For dispassionate accounting—exemplified by the ledgers of slave traders—has been a great weapon of the powerful, an episteme that made the grossest violations of personhood acceptable, even necessary. This is the kind of bookkeeping that bore fruit upon the Zong. “It made it easier for a trader to countenance yet another dead black body or for a captain to dump a shipload of captives into the sea in order to collect the insurance, since it wasn’t possible to kill cargo or to murder a thing already denied life. Death was simply part of the workings of the trade.” The archive of slavery, then, is “a mortuary.” Not content to total up the body count, Hartman offers elegy, echoing in her own way the lamentations of the women aboard the Hudibras. Like them, she is concerned with the dead and what they mean to the living. “I was desperate to reclaim the dead,” she writes, “to reckon with the lives undone and obliterated in the making of human commodities.”23

It is this mournful quality of Lose Your Mother that elevates it above so many histories of slavery, but the same sense of lament seems to require that Hartman overlook small but significant political victories like the one described by Butter- worth. Even as Hartman seems to agree with Paul Gilroy on the “value of seeing the consciousness of the slave as involving an extended act of mourning,” she remains so focused on her own commemorations that her text makes little space for a consideration of how the enslaved struggled with alienation and the fragility of belonging, or of the mourning rites they used to confront their condition.24 All of the ques- tions she raises about the meaning of slavery in the present—both highly personal and insistently political—might as well be asked about the meaning of slavery to slaves themselves, that is, if one begins by closely examining their social and political lives rather than assuming their lack of social being. Here Hartman is undone by her reliance on Orlando Patterson’s totalizing definition of slavery. She asserts that “no solace can be found in the death of the slave, no higher ground can be located, no perspective can be found from which death serves a greater good or becomes any- thing other than what it is.”25 If she is correct, the events on the Hudibras were of negligible importance. And indeed, Hartman’s understandable emphasis on the personal damage wrought by slavery encourages her to disavow two generations of social history that have demonstrated slaves’ remarkable capacity to forge fragile com- munities, preserve cultural inheritance, and resist the predations of slaveholders. This in turn precludes her from describing the ways that violence, dislocation, and death actually generate culture, politics, and consequential action by the enslaved.26

This limitation is particularly evident in a stunning chapter that Hartman calls “The Dead Book.” Here she creatively reimagines the events that occurred on the voyage of the slave ship Recovery, bound, like the Hudibras, from the Bight of Biafra to Grenada, when Captain John Kimber hung an enslaved girl naked from the mizzen stay and beat her, ultimately to her death, for being “sulky”: she was sick and could not dance when so ordered. As Hartman notes, the event would have been unre- markable had not Captain Kimber been tried for murder on the testimony of the ship’s surgeon, a brief transcript of the trial been published, and the woman’s death been offered up as allegory by the abolitionist William Wilberforce and the graphic satirist Isaac Cruikshank. Hartman re-creates the murder and the surge of words it inspired, representing the perspectives of the captain, the surgeon, and the aboli tionist, for each of whom the girl was a cipher “outfitted in a different guise,” and then she puts herself in the position of the victim, substituting her own voice for the unknowable thoughts of the girl. Imagining the experience as her own and wistfully representing her demise as a suicide—a final act of agency—Hartman hopes, by this bold device, to save the girl from oblivion. Or perhaps her hope is to prove the impossibility of ever doing so, because by failing, she concedes that the girl cannot be put to rest. It is a compelling move, but there is something missing. Hartman discerns a convincing subject position for all of the participants in the events sur- rounding the death of the girl, except for the other slaves who watched the woman die and carried the memory with them to the Americas, presumably to tell others, plausibly even survivors of the Hudibras, who must have drawn from such stories a basic perspective on the history of the Atlantic world. For the enslaved spectators, Hartman imagines only a fatalistic detachment: “The women were assembled a few feet away, but it might well have been a thousand. They held back from the girl, steering clear of her bad luck, pestilence, and recklessness. Some said she had lost her mind. What could they do, anyway? The women danced and sang as she lay dying.”

Hartman ends her odyssey among the Gwolu, descendants of peoples who fled the slave raids and who, as communities of refugees, shared her sense of dispos- session. “Newcomers were welcome. It didn’t matter that they weren’t kin because genealogy didn’t matter”; rather, “building community did.” Lose Your Mother con- cludes with a moving description of a particular one of their songs, a lament for those who were lost, which resonated deeply with her sense of slavery’s meaning in the present. And yet Hartman has more difficulty hearing similar cries intoned in the past by slaves who managed to find themselves.27

Saltwater Slavery has much in common with Lose Your Mother. Smallwood’s study of the slave trade from the Gold Coast to the British Americas in the late seventeenth and early eighteenth centuries likewise redeems the experience of the people traded like so many bolts of cloth, “who were represented merely as ciphers in the political arithmetic,” and therefore “feature in the documentary record not as subjects of a social history but as objects or quantities.”28 Each text offers a penetrating analysis of the market logic that turned people into goods. Both books work with the concept of social death. However, Smallwood examines the problem of social death for the enslaved even more closely than Hartman does.29

Like Hartman, Smallwood sees social death as a by-product of commodification. “If in the regime of the market Africans’ most socially relevant feature was their exchangeability,” she argues, “for Africans as immigrants the most socially relevant feature was their isolation, their desperate need to restore some measure of social life to counterbalance the alienation engendered by their social death.” But Small- wood’s approach is different in a subtle way. Whereas for Hartman, as for others, social death is an accomplished state of being, Smallwood veers between a notion of social death as an actual condition produced by violent dislocation and social death as a compelling threat. On the one hand, she argues, captivity on the Atlantic littoral was a social death. Exchangeable persons “inhabited a new category of mar- ginalization, one not of extreme alienation within the community, but rather of ab- solute exclusion from any community.” She seems to accept the idea of enslaved commodities as finished products for whom there could be no socially relevant relationships: “the slave cargo constituted the antithesis of community.” Yet elsewhere she contends that captives were only “menaced” with social death. “At every point along the passage from African to New World markets,” she writes, “we find a stark contest between slave traders and slaves, between the traders’ will to commodify people and the captives’ will to remain fully recognizable as human subjects.”30 Here, I think, Smallwood captures the truth of the idea: social death was a receding ho- rizon—the farther slaveholders moved toward the goal of complete mastery, the more they found that struggles with their human property would continue, even into the most elemental realms: birth, hunger, health, fellowship, sex, death, and time.

If social death did not define the slaves’ condition, it did frame their vision of apocalypse. In a harrowing chapter on the meaning of death (that is, physical death) during the Atlantic passage, Smallwood is clear that the captives could have no frame of reference for the experience aboard the slave ships, but she also shows how des- perate they were to make one. If they could not reassemble some meaningful way to map their social worlds, “slaves could foresee only further descent into an endless purgatory.” The women aboard the Hudibras were not in fact the living dead; they were the mothers of gasping new societies. Their view of the danger that confronted them made their mourning rites vitally important, putting these at the center of the women’s emerging lives as slaves—and as a result at the heart of the struggles that would define them. As Smallwood argues, this was first and foremost a battle over their presence in time, to define their place among ancestors, kin, friends, and future progeny. “The connection Africans needed was a narrative continuity between past and present—an epistemological means of connecting the dots between there and here, then and now, to craft a coherent story out of incoherent experience.” That is precisely what the women on the Hudibras fought to accomplish.31

#### Afro-pessimism is inaccurate and is used to justify white supremacism

Patterson 98

The Ordeal Of Integration:

Progress And Resentment In America's "Racial" Crisis

Orlando Patterson is a Jamaican-born American historical and cultural sociologist known for his work regarding issues of race in the United States, as well as the sociology of development

In the attempt to understand and come to terms with the problems of Afro-Americans and of their interethnic relations, the country has been ill served by its intellectuals, policy advocates, and leaders in recent years. At present, dogmatic ethnic advocates and extremists appear to dominate discourse on the subject, drowning out both moderate and other dissenting voices. A strange convergence has emerged between these extremists. On the left, the nation is misled by an endless stream of tracts and studies that deny any meaningful change in America's "Two Nations," decry "The Myth of Black Progress," mourn "The Dream Deferred," dismiss AfroAmerican middle-class status as "Volunteer Slavery," pronounce AfroAmerican men an "Endangered Species," and apocalyptically announce "The Coming Race War." On the right is complete agreement with this dismal portrait in which we are fast "Losing Ground," except that the road to "racial" hell, according to conservatives, has been paved by the very pQlicies intended to help solve the problem, abetted by "The Dream and the Nightmare" of cultural changes in the sixties and by the overbreeding and educational integration of inferior Afro-Americans and very policies intended to help solve the problem, abetted by "The Dream and the Nightmare" of cultural changes in the sixties and by the overbreeding and educational integration of inferior Afro-Americans and lower-class Euro-Americans genetically situated on the wrong tail of the IQ "Bell Curve." If it is true that a "racial crisis" persists in America, this crisis is as much one of perception and interpretation as of actual socioeconomic and interethnic realities. By any measure, the record of the past half century has been one of great achievement, thanks in good part to the suecess of the government policies now being maligned by the left for not having gone far enough and by the right for having both failed and gone too far. At the same time, there is still no room for complacency: because our starting point half a century ago was so deplorably backward, we still have some way to go before approaching anything like a resolution.

#### Violence is proximately caused – root cause logic is poor scholarship

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(Matthew and Geoff, Žižek and Politics: An Introduction, p. 231 – 233)

We realise that this argument, which we propose as a new ‘quilting’ framework to explain Žižek’s theoretical oscillations and political prescriptions, raises some large issues of its own. While this is not the place to further that discussion, we think its analytic force leads into a much wider critique of ‘Theory’ in parts of the latertwentieth- century academy, which emerged following the ‘cultural turn’ of the 1960s and 1970s in the wake of the collapse of Marxism. Žižek’s paradigm to try to generate all his theory of culture, subjectivity, ideology, politics and religion is psychoanalysis. But a similar criticism would apply, for instance, to theorists who feel that the method Jacques Derrida developed for criticising philosophical texts can meaningfully supplant the methodologies of political science, philosophy, economics, sociology and so forth, when it comes to thinking about ‘the political’. Or, differently, thinkers who opt for Deleuze (or Deleuze’s and Guattari’s) Nietzschean Spinozism as a new metaphysics to explain ethics, politics, aesthetics, ontology and so forth, seem to us candidates for the same type of **criticism, as a reductive passing over** the **empirical and analytic distinctness of** the **different** object **fields in complex societies.**

In truth, we feel that Theory, and the continuing line of ‘master thinkers’ who regularly appear particularly in the English- speaking world, is the last gasp of what used to be called First Philosophy. The philosopher ascends out of the city, Plato tells us, from whence she can espie the Higher Truth, which she must then bring back down to political earth. From outside the city, we can well imagine that she can see much more widely than her benighted political contemporaries. But from these philosophical heights, we can equally suspect that the ‘master thinker’ is also **always in danger of passing over** the **salient differences** and features of political life – differences only too evident to people ‘on the ground’. Political life, after all, is always a more complex affair than a bunch of ideologically duped fools staring at and enacting a wall (or ‘politically correct screen’) of ideologically produced illusions, from Plato’s timeless cave allegory to Žižek’s theory of ideology.

We know that Theory largely understands itself as avowedly ‘post- metaphysical’. It aims to erect its new claims on the gravestone of First Philosophy as the West has known it. But it also tells us that people very often do not know what they do. And so it seems to us that too many of its proponents and their followers are mourners who remain in the graveyard, propping up the gravestone of Western philosophy under the sign of some totalising account of absolutely everything – enjoyment, différance, biopower . . . Perhaps the time has come, we would argue, less for one more would- be global, allpurpose existential and political Theory than for a **multi- dimensional and interdisciplinary** critical **theory** that would challenge the chaotic specialisation neoliberalism speeds up in academe, which mirrors and accelerates the splintering of the Left over the last four decades. This would mean that we would have to shun the hope that one method, one perspective, or one master thinker could single- handedly decipher all the complexity of socio- political life, the concerns of really existing social movements – which specifi cally does not mean mindlessly celebrating difference, marginalisation and multiplicity as if they could be suffi cient ends for a new politics. **It would be to reopen critical theory and non- analytic philosophy to the other intellectual disciplines**, most of **whom** today **pointedly reject Theory’s legitimacy,** neither reading it nor taking it seriously.

## state key

#### Engaging and discussing the state is key to warming

Held and Hervey 9

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[www.policy-network.net/publications\_download.aspx?ID=3426](http://www.policy-network.net/publications_download.aspx?ID=3426)

The key role of the state In all of these challenges, states remain the key actors, as they hold the key to both domestic and international policymaking. The implementation of international agreements will be up to individual states, emissions trading and carbon pricing will require domestic legislation, and technological advance will need state support to get off the ground (Giddens, 2008). However, state strategies at the domestic level should involve the creation of incentives, not overly tight regulation. Governments have an important role in “editing” choice, but not in a way that precludes it altogether. This approach is represented in the form of what Giddens (2008) calls “the ensuring state,” whose primary role is help energise a diversity of groups to reach solutions to collective action problems. The state, so conceived, acts as a facilitator and an enabler, rather than as a top-down agency. An ensuring state is one that has the capacity to produce definite outcomes. The principle goes even further; it also means a state that is responsible for monitoring public goals and for trying to make sure they are realised in a visible and legitimate fashion. This will require a return to planning – not in the old sense of top down hierarchies of control, but in a new sense of flexible regulation. This will require finding ways to introduce regulation without undermining the entrepreneurialism and innovation upon which successful responses will depend. It will not be a straightforward process, because planning must be reconciled with democratic freedoms. There will be push and pull between the political centre, regions and localities, which can only be resolved through deliberation and consultation. Most importantly, states will require a long term vision that transcends the normal push and pull of partisan politics. This will not be easy to achieve. All this takes place in the context of a changing world order. The power structure on which the 1945 multilateral settlement was based is no longer intact, and the relative decline of the west and the rise of Asia raises fundamental questions about the premises of the 1945 multilateral order. Democracy and the international community now face a critical test. However, addressing the issue of climate change successfully holds out the prospect of reforging a rule-based politics, from the nation-state to the global level. Table 1 highlights what we consider to be the necessary steps to be taken along this road. By contrast, failure to meet the challenge could have deep and profound consequences, both for what people make of modern democratic politics and for the idea of rule-governed international politics. Under these conditions, the structural flaws of democracy could be said to have tragically trumped democratic agency and deliberative capacity.

## usfg k

#### Authenticity tests shut down debate– it’s strategically a disaster

**SUBOTNIK 98**

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Having traced a major strand in the development of CRT, we turn now to the strands' effect on the relationships of CRATs with each other and with outsiders. As the foregoing material suggests, **the central** CRT **message is not simply that minorities are being treated unfairly**, or even that individuals out there are in pain - assertions for which there are data to serve as grist for the academic mill - **but that the minority scholar himself or herself hurts and hurts badly**.

An important problem that concerns the very definition of the scholarly enterprise now comes into focus. **What can an academic** trained to [\*694] question and to doubt n72 **possibly say to Patricia Williams when effectively she announces, "I hurt bad"?** n73 **"No, you don't hurt"? "You shouldn't hurt"?** "Other people hurt too"? Or, most dangerously - and perhaps most tellingly - "What do you expect when you keep shooting yourself in the foot?" If the majority were perceived as having the well- being of minority groups in mind, these responses might be acceptable, even welcomed. And they might lead to real conversation. But, **writes Williams, the failure by those "cushioned within the invisible privileges of race and power**... to incorporate a sense of precarious connection as a part of our **lives is... ultimately obliterating**." n74

"Precarious." "Obliterating." **These words will clearly invite responses only from fools and sociopaths; they will, by effectively precluding objection, disconcert and disunite others**. **"I hurt," in academic discourse, has three broad though interrelated effects**. First, **it demands priority from the reader's conscience. It is for this reason that law review editors, waiving usual standards, have privileged a long trail of undisciplined - even silly** n75 **- destructive and, above all, self-destructive arti** [\*695] **cles.** n76 **Second, by emphasizing the emotional bond between those who hurt in a similar way, "I hurt" discourages fellow sufferers from abstracting themselves from their pain in order to gain perspective on their condition**. n77

[\*696] **Last, as we have seen, it precludes the possibility of open and structured conversation with others**. n78

[\*697] **It is because of this conversation-stopping effect** of what they insensitively call "first-person agony stories" **that Farber and Sherry deplore their use.** "The norms of academic civility hamper readers from challenging the accuracy of the researcher's account; it would be rather difficult, for example, to criticize a law review article by questioning the author's emotional stability or veracity." n79 Perhaps, a better practice would be to put the scholar's experience on the table, along with other relevant material, but to subject that experience to the same level of scrutiny.

If **through the foregoing rhetorical strategies CRATs succeeded in limiting academic debate**, why do they not have greater influence on public policy? **Discouraging white legal scholars from entering the national conversation about race**, n80 I suggest, **has generated a kind of cynicism in white audiences** which, in turn, has had precisely the reverse effect of that ostensibly desired by CRATs. **It drives the American public to the right and ensures that anything CRT offers is reflexively rejected.**

In the absence of scholarly work by white males in the area of race, of course, it is difficult to be sure what reasons they would give for not having rallied behind CRT. Two things, however, are certain. First, **the kinds of issues** raised by Williams **are too important** in their implications  [\*698]  for American life **to be confined to communities of color.** If the lives of minorities are heavily constrained, if not fully defined, by the thoughts and actions of the majority elements in society, **it would seem to be of great importance that white thinkers and doers participate in open discourse** to bring about change. Second, given the lack of engagement of CRT by the community of legal scholars as a whole, the discourse that should be taking place at the highest scholarly levels has, by default, been displaced to faculty offices and, more generally, the streets and the airwaves.

DEBATE roleplay specifically activates agency

Hanghoj 8

http://static.sdu.dk/mediafiles/Files/Information\_til/Studerende\_ved\_SDU/Din\_uddannelse/phd\_hum/afhandlinger/2009/ThorkilHanghoej.pdf

Thorkild Hanghøj, Copenhagen, 2008

Since this PhD project began in 2004, the present author has been affiliated with DREAM (Danish

Research Centre on Education and Advanced Media Materials), which is located at the Institute of

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taken place at the Centre for Learning, Knowledge, and Interactive Technologies (L-KIT), the

Institute of Education at the University of Bristol and the institute formerly known as Learning Lab

Denmark at the School of Education, University of Aarhus, where I currently work as an assistant

professor.

Thus, debate games require teachers to balance the centripetal/centrifugal forces of gaming and teaching, to be able to reconfigure their discursive authority, and to orchestrate the multiple voices of a dialogical game space in relation to particular goals. These Bakhtinian perspectives provide a valuable analytical framework for describing the discursive interplay between different practices and knowledge aspects when enacting (debate) game scenarios. In addition to this, Bakhtin’s dialogical philosophy also offers an explanation of why debate games (and other game types) may be valuable within an educational context. One of the central features of multi-player games is that players are expected to experience a simultaneously real and imagined scenario both in relation to an insider’s (participant) perspective and to an outsider’s (co-participant) perspective. According to Bakhtin, the outsider’s perspective reflects a fundamental aspect of human understanding: In order to understand, it is immensely important for the person who understands to be located outside the object of his or her creative understanding – in time, in space, in culture. For one cannot even really see one's own exterior and comprehend it as a whole, and no mirrors or photographs can help; our real exterior can be seen and understood only by other people, because they are located outside us in space, and because they are others (Bakhtin, 1986: 7). As the quote suggests, every person is influenced by others in an inescapably intertwined way, and consequently no voice can be said to be isolated. Thus, it is in the interaction with other voices that individuals are able to reach understanding and find their own voice. Bakhtin also refers to the ontological process of finding a voice as “ideological becoming”, which represents “the process of selectively assimilating the words of others” (Bakhtin, 1981: 341). Thus, by teaching and playing debate scenarios, it is possible to support students in their process of becoming not only themselves, but also in becoming articulate and responsive citizens in a democratic society.

PRECONDITION for education

Hanghoj 8

http://static.sdu.dk/mediafiles/Files/Information\_til/Studerende\_ved\_SDU/Din\_uddannelse/phd\_hum/afhandlinger/2009/ThorkilHanghoej.pdf

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professor.

4.2.1. Play and imagination

Among educational theorists, John Dewey is well-known for stressing the learning potential of play and game activities within education (Makedon, 1993; Vaage, 2000). Thus, Dewey devotes an entire chapter in Democracy and Education to “Play and Work in the Curriculum”. In tune with the main argument presented throughout the book, he begins the chapter by noting that it is “desirable” that education, as such, starts “from and with the experience and capacities of learners” (Dewey, 1916: 202). This can be done through the “the introduction of forms of activity, in play and work, similar to those in which children and youth engage outside of school” (Dewey, 1916: 202). Dewey makes no fundamental distinction between play and work activities, as they “both involve ends consciously entertained and the selection and adaptation of materials and processes designed to affect the desired ends” (Dewey, 1916: 210). Thus, play and work mostly differ in terms of “timespans”, which “influence the directness of means and ends” (Dewey, 1916: 210). In this sense, play and work activities simply represent two different aspects on a continuum of meaningful relations between ends and means. This assertion also goes against the commonsensical notion that play is goal-free or is an end in itself. In summary, Dewey views play as being meaningful, goal-oriented, and interestbased. Moreover, play is free and plastic as it is both directed toward present and future (projected) activities (cf. chapter 2). However, in order to realise the educational value of play it is necessary to understand play as an imaginative activity (Dewey, 1916: 245). Play activities are too important to be reduced to a purely developmental phenomenon among children: It is still usual to regard this [imaginative] activity as a specially marked-off stage of childish growth, and to overlook the fact that the difference between play and what is regarded as serious employment should be not a difference between the presence and absence of imagination, but a difference in the materials with which imagination is occupied (Dewey, 1916: 245). In this way, play is closely linked with the imagination, which is “the medium of realization of every kind of thing which lies beyond the scope of direct physical response” (Dewey, 1916: 245). Put differently, Dewey’s conception of imagination represents “the capacity to concretely perceive what is before us in light of what could be” (Fesmire, 2003: 65). Thus, the educational value of play activities must be based on the understanding that: The imagination is as much a normal and integral part of human activity as is muscular movement. The educative value of manual activities and of laboratory exercises, as well as of play, depends upon the extent in which they aid in bringing about a sensing of the meaning of what is going on. In effect, if not in name, they are dramatizations. Their utilitarian value in forming habits of skill to be used for tangible results is important, but not when isolated from the appreciative side. Were it not for the accompanying play of imagination, there would be no road from a direct activity to representative knowledge; for it is by imagination that symbols are translated over into a direct meaning and integrated with a narrower activity so as to expand and enrich it (Dewey, 1916: 245-6; my emphasis added). Play activity as such is no guarantee for avoiding “mechanical methods in teaching” (Dewey, 1916: 245). Thus, the value of educational gaming is entirely dependent upon whether the imaginative aspects of play are able to support students understanding of “what is going on”. In this way, imaginative play allows meaning to be created through “dramatizations” of particular aspects of knowledge. Consequently, the presumably distinct categories of imagination and reality represent a subtle continuum of finely graded experience as human beings do not experience reality directly but always through symbols, language, and social interaction (Waskul & Lust, 2004

## at: reparations

#### Reparations politics proves that focus on the state is a productive and emancipatory individual performance, especially when connected with human rights

**Balfour 5** (Reparations after Identity Politics Author(s): Lawrie Balfour University of Virginia Reviewed work(s): Source: Political Theory, Vol. 33, No. 6 (Dec., 2005), pp. 786-811)

First, the demand for reparations provides a reminder that the dismissal of the use of state power as an instrument for meaningful social change mis- reads history. In this light, Martin Luther King, Jr.'s comment that "it was a great relief to be in a federal court"'54 does not signal a belief in the benignity or ultimate fairness of the federal judiciary so much as a sense of the impossi- bility of local justice in the Jim Crow South. The state is figured as protector only in a relative sense, and what is sought is not recognition of a wounded self-image. Instead, the turn to the courts represents an instance of the demo- cratic practice of insisting that the government be responsive to all of the peo- ple. Thus where Brown laments the "boundless litigiousness of the present age, .... the conversion of historical-political claims of oppression to legal claims for rights or reparations,"55 Charles Ogletree, the cochair of the Repa- rations Coordinating Committee, makes a case for litigation as a tool for the expression of "historical-political claims of oppression." Reparations law- suits, according to Ogletree, are not understood as an alternative to struggle so much as an instrument of struggle, and recognizing the disciplinary power of law does not entail the refusal to engage it as an always limited and prob- lematic ally in emancipatory political projects.56 Shifting attention away from legal outcomes to the importance of public claim-making in reparations politics, Yamamoto suggests that it is useful to treat "law and court pro- cess . .. as generators of 'cultural performances' and as vehicles for providing outsiders an institutional public forum.""'57 Further, by explicitly linking its claims to an international system of white supremacy and global struggles for human rights, the reparations move- ment offers an example of oppositional politics not content "to rely upon the U.S. nation-state as a stable container of social antagonisms, and as the nec- essary horizon of our hopes for justice."59 And even as reparations advocates turn to the U.S. government, their actions explicitly uncover the implication of state power in the institution of slavery and the forms of racial injustice that succeeded it. They call attention to the ways citizenship and anticitizenship have been defined and uncover the multiple dimensions in which those cate- gories persist.60 For example, the "Freedom Agenda" of the Black Radical Congress indicates how an explicitly "Black" politics can be oppositional not only in its attack on white supremacy but also in its simultaneous refutation of patriarchal power and the exclusion of marginalized subcommunities.61 While it is possible that reparations programs could reinforce class lines and structures of authority within black communities, furthermore, such an out- come is not inevitable. In lieu of a single fund of monies managed by elites and dispersed to individual claimants, many supporters of reparations advo- cate the development of multiple channels of funding. To that end, Manning Marable suggests that economic reparations should make resources available to a range of community-based organizations and give priority to those groups operating in black communities with high rates of unemployment.62 Reparations activist "Queen Mother" Audley Moore makes a related case, arguing for a democratic decision-making structure that would give authority over any compensation to ordinary citizens.63

#### Their demand of a win ensures problematic identity conflict

**Jones 10** (Appropriating the One-Drop Rule: Family Guy on Reparations Jason Jones, University of Washington Enculturation 7 (2010): <http://enculturation.gmu.edu/appropriating-the-one-drop-rule>)

If, as Farrell and McPhail claimed, the reparations debate is a matter of identification and division, the identification they and their opponents demand is problematic. Pointing out a significant communicative setback in Burke’s notion of identification, Ratcliffe argues that “divisions,” despite Burke’s recognition of the equality between identification and division, “are posited as differences that must be bridged in order to construct a place of identification” (59). Through this understanding of identification, the purpose of a communicative act is to conquer, not to cooperate, with another perspective. As Wayne Booth would likely have described the reparations debate, the “emphasis [is] on win-rhetoric rather than on listening-rhetoric: how to persuade better than how to join and thus progress together” (149). To move beyond identification’s denial of difference, Ratcliffe posits four strategies of rhetorical listening:

#### Their endorsement of reparations distracts from community responsibility – Theres no way to resolve debt

**Balfour 5** (Reparations after Identity Politics Author(s): Lawrie Balfour University of Virginia Reviewed work(s): Source: Political Theory, Vol. 33, No. 6 (Dec., 2005), pp. 786-811)

The first meaning of Baldwin's "for nothing" emphasizes the value of the uncompensated labor performed by generations of African Americans, a staggering theft whose legacy can be traced in the economic inequalities of Baldwin's day and our own.68 This alone provides a forceful moral basis for the demand for reparations, and a growing body of literature attends to the question of just how much is owed.69 While such calculations provide testi- mony to the scope of slavery and the effects of decades of discrimination on the lives of individuals and communities, however, arguments for reparations tied primarily to this kind of calculus reveal several of the traps to which Brown alerts her readers. First, insofar as the claims are framed as a return of resources stolen by white Americans from African Americans, with present- day individual whites and blacks standing in for their forebears, they risk reinforcing precisely the kinds of identity against which Brown warns. As Robert Fullinwider notes, reparations arguments that trade on notions of per- sonal guilt and innocence can distract from questions of collective responsi- bility.70 A second peril resides in the effort to build the case for reparations from a notion of inheritance. Although a compelling argument can be made along these lines,7 to do so requires accepting inegalitarian aspects of liberal individualism. A single-minded emphasis on fixing, precisely, the meaning of slavery in monetary terms raises a third set of concerns insofar as it pre- cludes a more complex analysis of slavery's reach into all domains of Ameri- can life. For example, the centrality of sexual slavery is not easily reckoned with in this kind of accounting; nor is the worth of years of underpaid domes- tic work performed by African American women susceptible to measure- ment in market terms. Finally, even if advocates were successful in obtaining a substantial settlement, a focus on the value of what was taken from African Americans under slavery and in its aftermath highlights the insufficiency of any form of material redress. Because the value of reparations will be far smaller than the approximate value of what was stolen, arguments organized around measurements of the debt inevitably highlight the ineradicability of the loss. Thus although rectification of the pattern of unjust enrichment is a significant part of the demand for reparations, too narrow a focus on this aspect of the larger struggle could sow the seeds for a future politics of ressentiment.

# 1AR

## case

#### Discursive rejection is the worst possible option – it paralyzes critique and allows elites to fill in the vacuum of meaning – turns the impact

Schram, professor of social theory and policy – Bryn Mawr College, ‘95

(Sanford F, Words of welfare: The Poverty of Social Science and the Social Science of Poverty, pg. 20-26 “The sounds of silence…what isolated instances of renaming can accomplish”)

The sounds of silence are several in poverty research. Whereas many welfare policy analysts are constrained by economistic- herapeutic-manage- na1 discourse, others find themselves silenced by a politics of euphemisms. The latter suggests that if only the right words can be found, then political change will quickly follow. This is what happens when a good idea goes bad, when the interrogation of discourse collapses into the valorization of terminological distinctions.' Recently, I attended a conference of social workers who were part of a network of agencies seeking to assist homeless youths. A state legisla- tor addressed the group and at one point in the question-and-answer pe- riod commiserated with one professional about how the by then well- accepted phrase children at risk ought to be dropped, for it is pejorative. The legislator preferred children under stress as a more "politically correct" euphemism. Much discussion ensued regarding how to categorize clients so as to neither patronize nor marginalize them. No one, however, mentioned the reifying effects of all categorization, or how antiseptic language only exacerbates the problem by projecting young people in need onto one or another dehumanizing dimension of therapeutic discourse.' No one sug- gested that although isolated name changes may be a necessary part of po- litical action, they are insufficient by themselves. No one emphasized the need for renamings that destabilize prevailing institutional practices.' In- stead, a science of renaming seemed to displace a politics of interrogation. A fascination with correcting the terms of interpersonal communication had replaced an interest in the critique of structure. A comfort in dealing with discourse in the most narrow and literal sense had replaced an inter- est in the broader discursive structures that set the terms for reproducing organized daily life. I was left to question how discourse and structure need to be seen as connected before reflection about poverty can inform political action.' The deconstruction of prevailing discursive structures helps politi- cize the institutionalized practices that inhibit alternative ways of con- structing social relations.5 Isolated acts of renaming, however, are unlikely tohelppromotepoliticalchange if they are not tied to interrogations of the structures that serve as the interpretive context for making sense of new terms.' This is **especially the** casewhen renamings take the form of eu-phemisms designed to make what is described appear to be consonant with the existing order. In other words, the problems of a politics of renaming are not confined to the left, but are endemic to what amounts to a classic American practice utilized across the political spectrum.' Homeless, wel- fare, and family planning provide three examples of how isolated in- stances of renaming fail in their efforts to make a politics out of sanitizing language. Reconsidering the Politics of Renaming Renaming can do much to indicate respect and sympathy. It may strategi- cally recast concerns so that they can be articulated in ways that are more appealing and less dismissive. Renaming the objects of political contesta- tion may help promote the basis for articulating latent affinities among disparate political constituencies. The relentless march of renamings can help denaturalize and delegitimate ascendant categories and the constraints they place on political possibility. At the moment of fissure, destabilizing renamings have the potential to encourage reconsideration of how biases embedded in names are tied to power relations." Yet isolated acts of renam- ing do not guarantee that audiences will be any more predisposed to treat things differently than they were before. The problem is not limited to the political reality that dominant groups possess greater resources for influenc- ing discourse. Ascendant political economies, such as liberal postindustrial capitalism, whether understood structurally or discursively, operate as insti- tutionalized systems of interpretation that can subvert the most earnest of renamings." It is just as dangerous to suggest that paid employment exhausts possi- bilities for achieving self-sufficiency as to suggest that political action can be meaningfully confined to isolated renamings.'° Neither the workplace nor a name is the definitive venue for effectuating self-worth or political intervention." Strategies that accept the prevailing work ethos will con- tinue to marginalize those who cannot work, and increasingly so in a post- industrial economy that does not require nearly as large a workforce as its industrial predecessor. Exclusive preoccupation with sanitizing names over- looks the fact that names often do not matter to those who live out their lives according to the institutionalized narratives of the broader political economy, whether it is understood structurally or discursively, whether it is monolithically hegemonic or reproduced through allied, if disparate, prac- tices. What is named is always encoded in some publicly accessible and as- cendent discourse." Getting the names right will not matter if the names are interpreted according to the institutionalized insistences of organized society." Only when those insistences are relaxed does there emerge the possibil- ity for new names to restructure daily practices. Texts, as it now has become notoriously apparent, can be read in many ways, and they are most often read according to how prevailing discursive structures provide an interpretive context for reading diem. 14 The meanings implied by new names of necessity overflow their categorizations, often to be reinterpreted in terms of available systems of intelligibility (most often tied to existing institutions). Whereas re- naming can maneuver change within the interstices of pervasive discursive structures, renaming is limited in reciprocal fashion. Strategies of contain- ment that seek to confine practice to sanitized categories appreciate the discursive character of social life, but insufficiently and wrongheadedly. I do not mean to suggest that discourse is dependent on structure as much as that structures are hegemonic discourses. The operative structures reproduced through a multitude of daily practices and reinforced by the efforts of aligned groups may be nothing more than stabilized ascendent discourses." Structure is the alibi for discourse. We need to destabilize this prevailing interpretive context and the power plays that reinforce it, rather than hope that isolated acts of linguistic sanitization will lead to political change. Interrogating structures as discourses can politicize the terms used to fix meaning, produce value, and establish identity. Denaturalizing value as the product of nothing more than fixed interpretations can create new possibilities for creating value in other less insistent and injurious ways. The discursively/structurally reproduced reality of liberal capitalism as deployed by power blocs of aligned groups serves to inform the existentially lived experiences of citizens in the contemporary postindustrial order." The powerful get to reproduce a broader context that works to reduce the dissonance between new names and established practices. As long as the prevailing discursive structures of liberal capitalism create value from some practices, experiences, and identities over others, no matter how often new names are insisted upon, some people will continue to be seen as inferior simply because they do not engage in the same practices as those who are currently dominant in positions of influence and prestige. Therefore, as much as there is a need to reconsider the terms of debate, to interrogate the embedded biases of discursive practices, and to resist living out the invid- ious distinctions that hegemonic categories impose, there are real limits to what isolated instances of renaming can accomplish.

Renaming points to the profoundly political character of labels. Labels oper- ate as sources of power that serve to frame identities and interests. They predispose actors to treat the subjects in question in certain ways, whether they are street people or social policies. This increasingly common strategy, however, overlooks at least three major pitfalls to the politics of renaming." Each reflects a failure to appreciate language's inability to say all that is meant by any act of signification. First, many renamings are part of a politics of euphemisms that conspires to legitimate things in ways consonant with hegemonic discourse. This is done by stressing what is consistent and de-emphasizing what is inconsis- tent with prevailing discourse. When welfare advocates urge the nation to invest in its most important economic resource, its children, they are seek- ing to recharacterize efforts on behalf of poor families as critical for the country's international economic success in a way that is entirely consonant with the economistic biases of the dominant order. They are also distracting the economic-minded from the social democratic politics that such policy changes represent." This is a slippery politics best pursued with attention to how such renamings may reinforce entrenched institutional practices." Yet Walter Truett Anderson's characterization of what happened to the "cultural revolution" of the 1960s has relevance here: One reason it is so hard to tell when true cultural revolutions have occurred is that societies are terribly good at co-opting their opponents; something that starts out to destroy the prevailing social construction of reality ends up being a part of it. Culture and counterculture overlap and merge in countless ways. And the hostility, toward established social constructions of reality that produced strikingly new movements and behaviors in the early decades of this century, and peaked in the 1960s, is now a familiar part of the cultural scene. Destruction itself becomes institutionalized." According to Jeffrey Goldfarb, cynicism has lost its critical edge and has become the common denominator of the very society that cynical criticism sought to debunk .21 If this is the case, politically crafted characterizations can easily get co-opted by a cynical society that already anticipates the politi- cal character of such selective renamings. The politics of renaming itself gets interpreted as a form of cynicism that uses renamings in a disingenuous ashion in order to achieve political ends. Renaming not only loses credibility but also corrupts the terms used. This danger is ever present, given the limits of language. Because all terms are partial and incomplete characterizations, every new term can be invalidated as not capturing all that needs to be said about any topic? With time, the odds increase that a new term will lose its potency as it fails to emphasize ne-glected dimensions of a problem. As newer concerns replace the ones that helped inspire the terminological shift, newer terms will be introduced to ad- dress what has been neglected. Where disabled was once an improvement over handicapped, other terms are now deployed to make society inclusive of all people, however differentially situated. The "disabled" are now "physi- cally challenged" or "mentally challenged?' The politics of renaming promotes higher and higher levels of neutralizing language**."** Yet a neutralized language is itself already a partial reading even if it is only implicitly biased in favor of some attributes over others. Neutrality is always relative to the prevailing context As the context changes, what was once neutral becomes seen as biased. Implicit moves of emphasis and de-emphasis become more visible in a new light. "Physically" and "mentally challenged" already begin to look insufficiently affirmative as efforts intensify to include people with such attributes in all avenues of contemporary life.24 Not just terms risk being corrupted by a politics ofrenaming. Proponents of a politics of renaming risk their personal credibility as well. Proponents of a politics of renaming often pose a double bind for their audiences. The politics of renaming often seeks to highlight sameness and difference si- multaneously.25 It calls for stressing the special needs of the group while at the same time denying that the group has needs different from those of anyone else. Whether it is women, people of color, gays and lesbians, the disabled, or even "the homeless:' renaming seeks to both affirm and deny difference. This can be legitimate, but it is surely almost always bound to be difficult. Women can have special needs, such as during pregnancy, that make it unfair to hold them to male standards; however, once those differ- ent circumstances are taken into account, it becomes inappropriate to as- sume that men and women are fundamentally different in socially signifi- cant ways .21 Yet emphasizing special work arrangements for women, such as paid maternity leave, may reinforce sexist stereotyping that dooms women to inferior positions in the labor force. Under these circumstances, advocates of particular renamings can easily be accused of paralyzing their audience and immobilizing potential sup- porters. Insisting that people use terms that imply sameness and difference simultaneously is a good way to ensure such terms do not get used. This encourages the complaint that proponents of new terms are less interested in meeting people's needs than in demonstrating who is more sophisticatedand sensitive. Others turn away, asking why they cannot still be involved in trying to right wrongs even if they cannot correct their use of terminology," Right-minded, if wrong-worded, people fear being labeled as the enemy; important allies are lost on the high ground of linguistic purity. Euphemisms also encourage self-censorship. The politics of renaming discourages its proponents from being able to respond to inconvenient infor- mation inconsistent with the operative euphemism. Yet those who oppose it are free to dominate interpretations of the inconvenient facts. This is bad politics. Rather than suppressing stories about the poor, for instance, it would be much better to promote actively as many intelligent interpretations as possible. The politics of renaming overlooks that life may be more complicated than attempts to regulate the categories of analysis. Take, for instance, the curious negative example of "culture?' Somescholars have been quite insis- tent that it is almost always incorrect to speak about culture as a factor in explaining poverty, especially among African Americans .211 Whereas some might suggest that attempts to discourage examining cultural differences, say in family structure, are a form of self-censorship, others might want to argue that it is just clearheaded, informed analysis that de- mphasizes cul- ture's relationship to poverty.29 Still others suggest that the question of what should or should not be discussed cannot be divorced from the fact that when blacks talk publicly in this country it is always in a racist society that uses their words to reinforcetheir subordination. Open disagreement among African Americans will be exploited by whites to delegitimate any challengesto racism and to affirm the idea that black marginalization is self-generated.3° Emphasizing cultural differences between blacks and whites and exposing internal "problems" in the black community minimize how "problems" across races and structural political-economic factors, including especially the racist and sexist practices of institutionalized society, are the primary causes of poverty. Yet it is distinctly possible that although theories proclaiming a "culture of poverty" are incorrect, cultural variation itself may be an important issue in need of examination." For instance, there is much to be gained from contrasting the extended-family tradition among African Americans with the welfare system of white society, which is dedicated to reinforcing the nuclear two-parent family.32 A result of self-censorship, however, is that animportant subject is left to be studied by the wrong people. Although ana- lyzing cultural differences may not tell us much about poverty and may be dangerous in a racist society, leaving it to others to study culture and poverty can be a real mistake as well. Culture in their hands almost always becomes "culture of poverty."" A politics of renaming risks reducing the discussants to only those who help reinforce existing prejudices.

## duffy

Duffy likes debate

Duffy 83

Duffy ’83 [Bernard, Rhetoric PhD – Pitt, Communication Prof – Cal Poly, “The Ethics of Argumentation in Intercollegiate Debate: A Conservative Appraisal,” National Forensics Journal, Spring, pp 65-71, accessed at <http://www.nationalforensics.org/journal/vol1no1-6.pdf>]

I am not proposing that debaters only make arguments they believe in. Students also learn from articulating the principles which underlie positions they oppose.

Duffy is wrong - Switch side debate is good

Koehle 10

Joe Koehle, Phd candidate in communications at Kansas, former West Georgia debater

http://mccfblog.org/actr/wp-content/uploads/2010/12/Koehle\_Paper\_ACTR-editedPDF.pdf.

Much like criticism of the sophists has persisted throughout time; criticism of switch side debate has been a constant feature since the advent of tournament-style debating. Harrigan documents how numerous these criticisms have been in the last century, explaining that Page 15 Koehle 15 complaints about the mode of debate are as old as the activity itself (9). The most famous controversy over modern switch side debate occurred in 1954, when the U.S. military academies and the Nebraska teachers‟ colleges decided to boycott the resolution: “Resolved: That the United States should extend diplomatic relations to the communist government of China.” The schools that boycotted the topic argued that it was ethically and educationally indefensible to defend a recognition of communists, and even went so far as to argue that “a pro-recognition stand by men wearing the country‟s uniforms would lead to misunderstanding on the part of our friends and to distortion by our enemies” (English et al. 221). Switch side debate was on the defensive, and debate coaches of the time were engaged in virulent debate over the how to debate. The controversy made the national news when the journalist Edward Murrow became involved and opined on the issue in front of millions of TV viewers. English et al. even go so far as to credit the “debate about debate” with helping accelerate the implosion of the famous red- baiting Senator Joseph McCarthy (222). The debate about debate fell back out of the national spotlight after the high-profile incident over the China resolution, but it never ended in the debate community itself. The tenor of the debate reached a fever pitch when outright accusations of modern sophistry (the bad kind) were published in the Spring 1983 edition of the National Forensic Journal, when Bernard K. Duffy wrote, “The Ethics of Argumentation in Intercollegiate Debate: A Conservative Appraisal.” Echoing the old Platonic argument against sophistic practice, Duffy argued that switch side debate has ignored ethical considerations in the pursuit of teaching cheap techniques for victory (66). The 1990‟s saw a divergence of criticisms into two different camps. The first camp was comprised of traditional critics who argued that debate instruction and practice promoted form over substance. For example, a coach from Boston College lamented that absent a change, “Debate instructors and their students will become the sophists of our age, susceptible to the traditional indictments elucidated by Isocrates and others” (Herbeck). Dale Bertelstein published a response to the previously cited article by Muir about switch side debate that launched into an extended discussion of debate and sophistry. This article continued the practice of coaches and communications scholars developing and applying the Platonic critique of the sophists to contemporary debate practices. Alongside this traditional criticism a newer set of critiques of switch side debate emerged. Armed with the language of Foucauldian criticism, Critical Legal Studies, and critiques of normativity and statism, many people who were uncomfortable with the debate tradition of arguing in favor of government action began to question the reason why one should ever be obliged to advocate government action. They began to argue that switch side debate was a mode of debate that unnecessarily constrained people to the hegemony of debating the given topic. These newer criticisms of switch side debate gained even more traction after the year 2000, with several skilled teams using these arguments to avoid having to debate one side of the topic. William Spanos, a professor of English at SUNY Binghamton decided to link the ethos of switch side debate to that of neo-conservatism after observing a debate tournament, saying that “the arrogant neocons who now saturate the government of the Bush…learned their „disinterested‟ argumentative skills in the high school and college debate societies and that, accordingly, they have become masters at disarming the just causes of the oppressed.” (Spanos 467) Contemporary policy debate is now under attack from all sides, caught in its own dissoi logoi. Given the variety of assaults upon switch side debate by both sides of the political spectrum, how can switch side debate be justified? Supporters of switch side debate have made many arguments justifying the value of the practice that are not related to any defense of sophist Page 17 Koehle 17 techniques. I will only briefly describe them so as to not muddle the issue, but they are worthy of at least a cursory mention. The first defense is the most pragmatic reason of all: Mandating people debate both sides of a topic is most fair to participants because it helps mitigate the potential for a topic that is biased towards one side. More theoretical justifications are given, however. Supporters of switch side debate have argued that encouraging students to play the devil‟s advocate creates a sense of self-reflexivity that is crucial to promoting tolerance and preventing dogmatism (Muir 287). Others have attempted to justify switch side debate in educational terms and advocacy terms, explaining that it is a path to diversifying a student‟s knowledge by encouraging them to seek out paths they may have avoided otherwise, which in turn creates better public advocates (Dybvig and Iversen). In fact, contemporary policy debate and its reliance upon switching sides creates an oasis of argumentation free from the demands of advocacy, allowing students to test out ideas and become more well-rounded advocates as they leave the classroom and enter the polis (Coverstone). Finally, debate empowers individuals to become critical thinkers capable of making sound decisions (Mitchell, “Pedagogical Possibilities”, 41).

## 1ar fw

#### Method focus causes scholarly paralysis

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(Patrick Thadeus, The Conduct of Inquiry in International Relations, p. 57-59)

Perhaps the greatest irony of this instrumental, decontextualized importation of “falsification” and its critics into IR is the way that an entire line of thought that privileged disconfirmation and refutation—no matter how complicated that disconfirmation and refutation was in practice—has been transformed into a license to **worry endlessly about foundational assumptions.** At the very beginning of the effort to bring terms such as “paradigm” to bear on the study of politics, Albert O. **Hirschman** (1970b, 338) **noted this very danger**, suggesting that without “a little more ‘reverence for life’ and a little less straightjacketing of the future,” the **focus on** producing internally **consistent** packages of **assumptions instead of** actually examining **complex empirical situations would result in scholarly paralysis.** Here as elsewhere, Hirschman appears to have been quite prescient, inasmuch as the major effect of paradigm and research programme language in IR seems to have been a series of debates and discussions about whether the fundamentals of a given school of thought were sufficiently “scientific” in their construction. Thus **we have debates about how to evaluate scientific progress**, and attempts to propose one or another set of research design principles **as uniquely scientific**, and inventive, “reconstructions” of IR schools, such as Patrick James’ “elaborated structural realism,” supposedly for the purpose of placing them on a **firmer scientific footing** by making sure that they have all of the required elements of a basically Lakatosian19 model of science (James 2002, 67, 98–103).

The bet with all of this scholarly activity seems to be that if we can just get the fundamentals right, then scientific progress will inevitably ensue . . . even though this is the precise opposite of what Popper and Kuhn and Lakatos argued! In fact, all of this obsessive interest in foundations and starting-points is, in form if not in content, a lot closer to logical positivism than it is to the concerns of the falsificationist philosophers, despite the prominence of language about “hypothesis testing” and the concern to formulate testable hypotheses among IR scholars engaged in these endeavors. That, above all, is why I have labeled this methodology of scholarship neopositivist. While it takes much of its self justification as a science from criticisms of logical positivism, in overall sensibility it still operates in a visibly positivist way, attempting to construct knowledge from the ground up by getting its foundations in logical order before concentrating on how claims encounter the world in terms of their theoretical implications. This is by no means to say that neopositivism is not interested in hypothesis testing; on the contrary, neopositivists are extremely concerned with testing hypotheses, but **only after the fundamentals have been** soundly **established.** Certainty, not conjectural provisionality, seems to be the goal—a goal that, ironically, Popper and Kuhn and Lakatos would all reject.

#### Paradigm focus forecloses pragmatic engagement – having “good enough knowledge” is a sufficient condition for action

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(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.

## at: libidinal economy

#### Libidinal economy doesn’t explain violence

Havi Carel 6, Senior Lecturer in Philosophy at the University of the West of England, “Life and Death in Freud and Heidegger”, googlebooks

Secondly, the constancy principle on which these ideas are based is incompatible with observational data. Once the passive model of the nervous system has been discarded, there was no need for external excitation in order for discharge to take place, and more generally, "the behavioural picture seemed to negate the notion of drive, as a separate energizer of behaviour" {Hcbb. 1982. p.35). According to Holt, the nervous system is not passive; it does not take in and conduct out energy from the environment, and it shows no tendency to discharge its impulses. 'The principle of constancy is quite without any biological basis" (1965, p. 109). He goes on to present the difficulties that arise from the pleasure principle as linked to a tension-reduction theory. The notion of tension is "conveniently ambiguous": it has phenomenological, physiological and abstract meaning. But empirical evidence against the theory of tension reduction has been "mounting steadily" and any further attempts to link pleasure with a reduction of physiological tension are "decisively refuted" (1965, pp. 1102). Additionally, the organism and the mental system are no longer considered closed systems. So the main arguments for the economic view collapse, as does the entropic argument for the death drive (1965, p. 114). A final, more general criticism of Freud's economic theory is sounded by Compton, who argues, "Freud fills in psychological discontinuities with neurological hypotheses" (1981, p. 195). The Nirvana principle is part and parcel of the economic view and the incomplete and erroneous assumptions about the nervous system (Hobson, 1988, p.277). It is an extension ad extremis of the pleasure principle, and as such is vulnerable to all the above criticisms. The overall contemporary view provides strong support for discarding the Nirvana principle and reconstructing the death drive as aggression.

#### No empirical basis for scaling up psychoanalysis

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(Charlotte, “Who speaks? Discourse, the subject and the study of identity in international politics,” European Journal of International Relations XX(X) 1–24)

One key advantage of the Wendtian move, granted even by his critics (see Flockhart, 2006), is that it simply does away with the level-of-analysis problem altogether. If states really are persons, then we can apply everything we know about people to understand how they behave. The study of individual identity is not only theoretically justified but it is warranted. This cohesive self borrowed from social psychology is what allows Wendt to bridge the different levels of analysis and travel between the self of the individual and that of the state, by way of a third term, ‘group self’, which is simply an aggregate of individual selves. Thus for Wendt (1999: 225) ‘the state is simply a “group Self” capable of group level cognition’. Yet that the individual possesses a self does not logically entail that the state possesses one too. It is in this leap, from the individual to the state, that IR’s fallacy of composition surfaces most clearly.

Moving beyond Wendt but maintaining the psychological self as the basis for theorizing the state

Wendt’s bold ontological claim is far from having attracted unanimous support (see nota­bly, Flockhart, 2006; Jackson, 2004; Neumann, 2004; Schiff, 2008; Wight, 2004). One line of critique of the states-as-persons thesis has taken shape around the resort to psy­chological theories, specifically, around the respective merits of Identity Theory (Wendt) and SIT (Flockhart, 2006; Greenhill, 2008; Mercer, 2005) for understanding state behav­iour.9 Importantly for my argument, that the state has a self, and that this self is pre-social, remains unquestioned in this further entrenching of the psychological turn. Instead questions have revolved around how this pre-social self (Wendt’s ‘Ego’) behaves once it encounters the other (Alter): whether, at that point (and not before), it takes on roles prescribed by pre-existing cultures (whether Hobbessian, Lockean or Kantian) or whether instead other, less culturally specific, dynamics rooted in more universally human char­acteristics better explain state interactions. SIT in particular emphasizes the individual’s basic need to belong, and it highlights the dynamics of in-/out-group categorizations as a key determinant of behaviour (Billig, 2004). SIT seems to have attracted increasing interest from IR scholars, interestingly, for both critiquing (Greenhill, 2008; Mercer, 1995) and rescuing constructivism (Flockhart, 2006).

For Trine Flockart (2006: 89–91), SIT can provide constructivism with a different basis for developing a theory of agency that steers clear of the states-as-persons thesis while filling an important gap in the socialization literature, which has tended to focus on norms rather than the actors adopting them. She shows that a state’s adherence to a new norm is best understood as the act of joining a group that shares a set of norms and val­ues, for example the North Atlantic Treaty Organization (NATO). What SIT draws out are the benefits that accrue to the actor from belonging to a group, namely increased self-esteem and a clear cognitive map for categorizing other states as ‘in-’ or ‘out-group’ members and, from there, for orientating states’ self–other relationships.

Whilst coming at it from a stance explicitly critical of constructivism, for Jonathan Mercer (2005: 1995) the use of psychology remains key to correcting the systematic evacuation of the role of emotion and other ‘non-rational’ phenomena in rational choice and behaviourist analyses, which has significantly impaired the understanding of inter­national politics. SIT serves to draw out the emotional component of some of the key drivers of international politics, such as trust, reputation and even choice (Mercer, 2005: 90–95; see also Mercer, 1995). Brian Greenhill (2008) for his part uses SIT amongst a broader array of psychological theories to analyse the phenomenon of self–other recog­nition and, from there, to take issue with the late Wendtian assumption that mutual recognition can provide an adequate basis for the formation of a collective identity amongst states.

The main problem with this psychological turn is the very utilitarian, almost mecha­nistic, approach to non-rational phenomena it proposes, which tends to evacuate the role of meaning. In other words, it further shores up the pre-social dimension of the concept of self that is at issue here. Indeed norms (Flockhart, 2006), emotions (Mercer, 2005) and recognition (Greenhill, 2008) are hardly appraised as symbolic phenomena. In fact, in the dynamics of in- versus out-group categorization emphasized by SIT, language counts for very little. Significantly, in the design of the original experiments upon which this approach was founded (Tajfel, 1978), whether two group members communicate at all, let alone share the same language, is non-pertinent. It is enough that two individuals should know (say because they have been told so in their respec­tive languages for the purposes of the experiment) that they belong to the same group for them to favour one another over a third individual. The primary determinant of individual behaviour thus emphasized is a pre-verbal, primordial desire to belong, which seems closer to pack animal behaviour than to anything distinctly human. What the group stands for, what specific set of meanings and values binds it together, is unimportant. What matters primarily is that the group is valued positively, since posi­tive valuation is what returns accrued self-esteem to the individual. In IR Jonathan Mercer’s (2005) account of the relationship between identity, emotion and behaviour reads more like a series of buttons mechanically pushed in a sequence of the sort: posi­tive identification produces emotion (such as trust), which in turn generates specific patterns of in-/out-group discrimination.

Similarly, Trine Flockhart (2006: 96) approaches the socializee’s ‘desire to belong’ in terms of the psychological (and ultimately social) benefits and the feel-good factor that accrues from increased self-esteem. At the far opposite of Lacan, the concept of desire here is reduced to a Benthamite type of pleasure- or utility-maximization where mean­ing is nowhere to be seen. More telling still is the need to downplay the role of the Other in justifying her initial resort to SIT. For Flockhart (2006: 94), in a post-Cold War con­text, ‘identities cannot be constructed purely in relation to the “Other”’. Perhaps so; but not if what ‘the other’ refers to is the generic, dynamic scheme undergirding the very concept of identity. At issue here is the confusion between the reference to a specific other, for which Lacan coined the concept of *le petit autre*, and the reference to *l’Autre*, or Other, which is that symbolic instance that is essential to the making of *all* selves. As such it is not clear what meaning Flockhart’s (2006: 94) capitalization of the ‘Other’ actually holds.

The individual self as a proxy for the state’s self

Another way in which the concept of self has been centrally involved in circumventing the level-of-analysis problem in IR has been to treat the self of the individual as a proxy for the self of the state. The literature on norms in particular has highlighted the role of individuals in orchestrating norm shifts, in both the positions of socializer (norm entre­preneurs) and socializee. It has shown for example how some state leaders are more sus­ceptible than others to concerns about reputation and legitimacy and thus more amenable to being convinced of the need to adopt a new norm, of human rights or democratization, for example (Finnemore and Sikkink, 1998; Keck and Sikkink, 1998; Risse, 2001). It is these specific psychological qualities pertaining to their selves (for example, those of Gorbachev; Risse, 2001) that ultimately enable the norm shift to occur. Once again the individual self ultimately remains the basis for explaining the change in state behaviour.

To summarize the points made so far, whether the state is literally considered as a person by ontological overreach, whether so only by analogy, or whether the person stands as a proxy for the state, the ‘self’ of that person has been consistently taken as the reference point for studying state identities. Both in Wendt’s states-as-persons thesis, and in the broader psychological turn within constructivism and beyond, the debate has con­sistently revolved around the need to evaluate which of the essentialist assumptions about human nature are the most useful for explaining state behaviour. It has never ques­tioned the validity of starting from these assumptions in the first place. That is, what is left unexamined is this assumption is that what works for individuals will work for states too. This is IR’s central fallacy of composition, by which it has persistently eschewed rather than resolved the level-of-analysis problem. § Marked 13:20 § Indeed, in the absence of a clear dem­onstration of a logical identity (of the type A=A) between states and individuals, the assumption that individual interactions will explain what states do rests on little more than a leap of faith, or indeed an analogy.