

Postmortem city

Towards an urban geopolitics¹

Stephen Graham

We tend to see contemporary cities through a peace-time lens and war as somehow exceptional. In this ambitious paper, long in historical range and global in geographical scope, Steve Graham unmask and displays the very many ways in which warfare is intimately woven into the fabric of cities and practices of city planners. He draws out the aggression which we should see as the counterpart of the defensive fortifications of historic towns, continues with the re-structuring—often itself violent—of Paris and of many other cities to enable the oppressive state forces to patrol and subordinate the feared masses. Other examples take us through the fear of aerial bombardment as an influence on Le Corbusier and modernist urban design to the meticulous planners who devised and monitored the slaughter in Dresden, Tokyo and other targets in World War 2. Later episodes, some drawing on previously classified material, show how military thinking conditioned urbanisation in the Cold War and does so in the multiple ‘wars’ now under way—against ‘terrorism’ and the enemy within. City has carried some exceptional work on war and ‘urbicide’ but this paper argues that, for the most part, the social sciences are in denial and ends with a call for action to confront, reveal and challenge the militarisation of urban space.

Confronting place annihilation in urban research

“As long as people have lived in cities, they have been haunted by fears of urban ruin . . . Every city on earth is ground zero in somebody’s doomsday book.” (Berman, 1996, pp. 175–184)

“To be sure, a cityscape is not made of flesh. Still, sheared-off buildings are almost as eloquent as body parts (Kabul, Sarajevo, East Mostar, Grozny, 16 acres of lower Manhattan after September 11th 2001, the refugee camp in Jenin). Look, the photographs say, this is what it’s like. This is what war does. War tears, war rends. War rips open, eviscerates. War scorches. War dismembers. War ruins.” (Sontag, 2003, p. 5)

“Today, wars are fought not in trenches and fields, but in living rooms, schools and supermarkets.” (Barakat, 1998, p. 11)

Cities, warfare and organized, political violence have always been mutual constructions. “The city, the polis, is constitutive of the form of conflict called *war*, just as war is itself constitutive of the political form called the *city*” (Virilio, 2002, p. 5, original emphasis). War and the city have intimately shaped each other throughout urban and military history. “There is . . . a direct reciprocity between war and cities”, writes the geographer Ken Hewitt. “The latter are the more thoroughgoing constructs of collective life, containing the definitive human places. War is the most thorough-going or consciously prosecuted occasion of collective violence that destroys places” (Hewitt, 1983, p. 258).

The widespread survival of massive urban fortifications—especially in Asia, North Africa, Europe and parts of Latin

America—are a living testament to the fact that in pre-modern and pre nation-state civilizations, city-states were the actual agents, as well as the main targets, of war. In pre-modern times cities were built for defence as well as dominant centres of commerce, exchange and political, religious and social power. “The city, with its buttressed walls, its ramparts and moats, stood as an outstanding display of ever-threatening aggression” (Mumford, 1961, p. 44).

The sacking and killing of fortified cities and their inhabitants was the central event in pre-modern war (Weber, 1958). Indeed (often allegorical) stories of such acts make up a good part of the Bible—especially *Jeremiah* and *Lamentations*—and other ancient and classical religious and philosophical texts. “Myths of urban ruin grow at our culture’s root” (Berman, 1996).

In the 15th and 16th centuries, as modern nation-states started to emerge in Europe as ‘bordered power containers’, they began seeking a monopoly on political violence (Giddens, 1985). “The states caught up with the forward gallop of the towns” (Braudel, 1973, p. 398). The expanding imperial and metropolitan cities that lay at the core of nation-states were no longer organizers of their own armies and defences. But they maintained political power and reach. Military, political and economic elites within such cities directed violence, control, repression, and the colonial acquisition of territory, raw materials, wealth and labour power from afar (Driver and Gilbert, 2003).

By the 19th and 20th centuries, industrial cities in the global north had grown in synchrony with the killing powers of technology. They provided the men and material to sustain the massive, industrial wars of the 20th century. At the same time their (often female-staffed) industries and neighbourhoods emerged as the prime targets for total war. The industrial city thus became “in its entirety a space for war. Within a few years ... bombing moved from the selective destruction of key sites within cities to extensive attacks on urban areas and, finally,

to instantaneous annihilation of entire urban spaces and populations” (Shaw, 2003, p. 131). Right up to the present day, the capture of strategic and politically important cities has “remained the ultimate symbol, of conquest and national survival” (Shaw, 2001, p. 1).

Given the centrality of both urbanization and the prosecution of political violence to modernity, this subtle inter-penetration of cities and warfare should be no surprise. “After all, modernity, through most of its career, has been modernity at war” (Pieterse, 2002, p. 3). It is no longer feasible to contain cities within defensive walls or effective cordons which protect their citizens from military force (Virilio, 1987). But the deliberate destruction and targeting of cities and their support systems in times of war and crisis is a constant throughout 8000 years or so of urban history on our planet. “Destruction of places”, Hewitt continues, writing in 1987:

“driven by fear and hatred, runs through the whole history of wars, from ancient Troy or Carthage, to Warsaw and Hiroshima in our own century. The miseries, uprootings, and deaths of civilians in besieged cities, especially after defeat, stand amongst the most terrible indictments of the powerful and victorious. In that sense, there is, despite the progress of weapons of devastation, a continuity in the experience of civilians from Euripides’ *Trojan Women* or *The Lamentations of Jeremiah*, to the cries of widowed women and orphaned children in Beirut, Belfast, the villages of Afghanistan, and those of El Salvador.” (Hewitt, 1987, p. 469)

Cities, then, provide much more than just the *backdrop* or *environment* for war and terror. Rather, their buildings, assets, institutions, industries, infrastructures, cultural diversities, and symbolic meanings have long actually *themselves* been the explicit target for a wide range of deliberate, orchestrated, attacks. This essential, urban, spatiality of organized, political violence is rarely recognized in the obsessively chronological and temporal gaze of the historians who dom-

inate the study of the urban violence of the 20th century. Thus, the architectures, urbanisms and spatial planning strategies that sustain, reflect and are intrinsic to strategies of informal and state terror all too often get overlooked (Cole, 2003, Chap. 2).

For this explicit concentration on the (attempted) killing of cities in modern war, Ken Hewitt has coined the term ‘place annihilation’ (1983). “For a social scientist”, he stresses that “it is actually imperative to ask just *who* dies and *whose* places are destroyed by violence” within such wars of place annihilation (1987, p. 464, original emphasis). This is because such strategies are usually far from indiscriminate. Commonly, they involve a great deal of planning so that the violence and destruction achieves the political, social, economic, ecological and cultural effects, on the target population and their places, that are desired by the attackers.

Since the end of the Cold War, this dominance of war casualties by civilians, rather than enlisted military personnel, has only accelerated further. Between 1989 and 1998, for example, 4 million people were killed in violent conflicts across the world. An estimated 90% of these were civilians—primarily women and children (Pieterse, 2002, p. 1). In short, since the end of the Cold War—with its global threat of instant urban-nuclear annihilation—“we have gone from fearing the death of the city to fearing the city of death” (Lang, 1995, p. 71). As traditional state-versus-state wars in open terrain have become objects of curiosity, so the informal, ‘asymmetric’ or ‘new’ wars which tend to centre on localized struggles over strategic urban sites have become the norm (Kaldor, 1999). As Misselwitz and Weizman suggest:

“It is now clear that the days of the classical, Clausewitzian definition of warfare as a symmetrical engagement between state armies in the open field are over. War has entered the city again—the sphere of the everyday, the private realm of the house.” (2003, p. 272)

Far from going away, then, strategies of deliberately attacking the systems and places that support civilian urban life have only become more sophisticated since the Second World War. The deliberate devastation of urban living spaces continues apace. Fuelling it is a powerful cocktail of intermeshing factors. Here we must consider the collapse of the Cold War equilibrium; the unleashing of previously constrained ethnic hatreds; the proliferation of fundamentalist religious and political groups; and the militarization of gangs, drug cartels, militia, corrupt political regimes and law enforcement agencies. We must address the failure of many national and local states; the urbanization of populations and terrain; and the growing accessibility to heavy weapons. Finally, the growing crisis of social polarization at all geographical scales and the increasing scarcity of many essential resources must be considered (Castells, 1997, 1998).

To this cocktail we must add the destabilizing effects of the USA’s increasingly aggressive and violent interventions in a widening range of nations, and the deleterious impacts of neoliberal restructuring and ‘structural adjustment’ programmes, imposed on many nations by the International Monetary Fund (IMF) and the World Trade Organization (WTO). Such programmes have added to the sense of crisis in many cities because they have resulted in the erosion of social and economic security and the further immiseration of the urban poor (and, increasingly, the middle classes, too).

All this has happened at a time when the scale of urbanization is at an unprecedented global level. During the 1990s alone the world’s urban population grew by 36%. By 2003 900 million people lived in slums. And the deepening polarization of cities, caused by neoliberal globalization, is providing many conditions that are ripe for extremes of civil, and militarized, violence (Castells, 1997, 1998; Vidal, 2003). In fact, neoliberal globalization itself operates through a vast scale of violence, exploitation and criminality

which works in similarly ‘rhizomatic’ ways to transnational terrorism. “Our own politicians and businesses sail a strikingly similar pirate sea [to the al-Qaeda network]”, suggests Keller Easterling:

“slipping between legal jurisdictions, leveraging advantages in the differential value of labor and currency, brandishing national identity one moment and laundering it the next, using lies and disguises to neutralize cultural or political differences.” (2002, p. 189)

In many cases some or all of these factors have combined in the post-Cold War to force nothing less than the “implosion of global and national politics into the urban world” (Appadurai, 1996, p. 152). This has led to a proliferation of bloody, largely urban, wars. Many of these, in turn, stimulate vast migrations and the construction of city-scale refugee camps to accommodate the displaced populations (which stood at a global figure of 50 million by 2002) (Agier, 2002; Diken and Laustsen, 2003).

Appadurai argues that such ‘new’ urban wars “take their energy from macroevents and processes . . . that link global politics to the micropolitics of streets and neighbourhoods” (1996, pp. 152–153). He observes that:

“In the conditions of ethnic unrest and urban warfare that characterize cities such as Belfast and Los Angeles, Ahmedabad and Sarajevo, Mogadishu and Johannesburg, urban war zones are becoming armed camps, driven wholly by *implosive* forces that fold into neighborhoods the most violent and problematic repercussions of wider regional, national and global processes . . . [These cases] represent a new phase in the life of cities, where the concentration of ethnic populations, the availability of heavy weaponry, and the crowded conditions of civic life create futurist forms of warfare . . . and where a general desolation of the national and global landscape has transposed many bizarre racial, religious, and linguistic enmities into

scenarios of unrelieved urban terror.” (Appadurai, 1996, pp. 152–193, original emphasis).

All of which means that contemporary warfare and terror now largely boil down to contests over the spaces, symbols, meanings, support systems or power structures of cities and urban regions. As a result, war, ‘terrorism’ and cities are redefining each other in complex, but poorly explored ways. Such redefinitions are, in turn, bound up with deeper shifts in the ways in which time, space, technology, mobility and power are constructed and experienced in our societies as a whole (Virilio, 1986).

Given all of this, it is curious, then, that warfare and organized political violence targeting the spaces, inhabitants and support systems of cities have been persistently neglected in critical social scientific debates about cities and urbanization since the Second World War (Mendieta, 2004). By contrast, this period has seen vast libraries filled with theoretical, empirical and policy books addressing urban *de*-velopment, *con*-struction, *re*-generation, modernization and growth (Bishop and Clancey, 2003). In 1983 the geographer Ken Hewitt argued that, from the perspective of urban social science, the “destruction of cities, as of much else, remains *terra incognita*” (p. 258).

Another cocktail of factors can be diagnosed to help explain this neglect. Three are particularly important. First, a simple, and understandable, desire to forget the scale and barbarity of urban slaughter in the last century can be diagnosed. For example, many wider cultural taboos have inhibited dispassionate, social scientific analyses of the aerial annihilations of German and Japanese cities in the Second World War (although these are now slowly being overcome—see Sebald, 2003). In the Anglo-Saxon world, whilst the ‘air war’ that killed perhaps 1.6 million urbanites in those two countries is widely glorified and fetishized—what Chris Hables Gray calls “bomber glorioso” (1997, p. 87)—equally powerful taboos, and the

instinct to self-censor, have meant that the perspective here has been overwhelmingly *aerial*. The annihilated cities, and the hundreds of thousands of carbonized dead on the ground, barely exist at all in these popular narratives. When they *are* represented, huge controversy still ensues. The victims of more recent US bombings in Kabul and Baghdad have been rendered equally invisible and uncounted by the ferocious power of Western propaganda and self-censorship. An ‘information operations’ campaign has also emerged that leads US forces to bomb any independent television station that has the temerity to show the civilian carnage that results, on the ground, even with so-called ‘precision strikes’—the inevitable reality behind the repulsive euphemisms of ‘collateral damage’ in urban bombing.

Second, Bishop and Clancey (2003, p. 64), have recently suggested that modern urban social science in general has shown marked tendencies since the Second World War to directly avoid tropes of catastrophism (especially in the West). They argue that this is because the complete annihilation of urban places conflicted with its underlying, enlightenment-tinged notions of progress, order and modernization. In the post-war, Cold War, period, especially, “The City”, they write, had a “heroic status in both capitalist and socialist storytelling” (2003, p. 66). This worked against an analysis of the city as a scene of catastrophic death. “The city-as-target” remained, therefore, “a reading long buried under layers of academic Modernism” (2003, p. 67).

Bishop and Clancey also believe that this “absence of death within The City also reflected the larger economy of death within the academy: its studied absence from some disciplines [urban social science] and compensatory over-compensation in others [history]” (2003, p. 67). In disciplinary terms, the result of this was that the ‘urban’ tended to remain hermetically separated from the ‘strategic’. ‘Military’ issues were carefully demarcated from ‘civil’ ones. And the overwhelmingly ‘local’ concerns of modern urban social

science were kept rigidly apart from (inter)-national ones. This left urban social science to address the local, civil and domestic rather than the (inter)national, the military or the strategic. Such concerns were the preserve of history, as well as the fast-emerging disciplines of international politics and international relations. In the dominant hubs of English-speaking urban social science—North America and the UK—these two intellectual worlds virtually never crossed, separated as they were by disciplinary boundaries, scalar orientations and theoretical traditions.

The final factor stems from the fact that urban social science finished sedimenting into modern intellectual disciplines during the Cold War. During this time, urban annihilation, always minutes away, was simply a step on the way to a broader, species-wide, *exterminism* (Mumford, 1959; Thompson, 1982). This also seems to have inhibited critical urban research on place annihilation. Waves of secrecy and paranoia about the urban-targeting strategies of the super powers further worked to undermine critical analysis of what nuclear Armageddon would actually mean for an urbanizing planet (Vanderbilt, 2002). And the inevitable vulnerabilities of cities to nuclear attack were exploited by a wide range of interests seeking to radically decentralize, and de-urbanize, advanced industrial societies (Farish, 2003; Light, 2003). As Herbert Muschamp has argued, cities were, in many ways, “among the casualties” of the Cold War years (1995, p. 106).

Encouragingly, the persistent neglect of place annihilation in urban research has been slowly overcome since Hewitt wrote the above words. A broadening range of promising work has emerged in critical and interdisciplinary urban research, particularly in the pages of *City*.² Unfortunately, however, such work has yet to gain the momentum necessary to bring the critical analysis of place annihilation into the heart of urban social science. It is still the case, for example, that only a small number of volumes have systematically

delved into the dark terrain which emerges where the city becomes a pre-eminent site for political violence, warfare and 'terrorism'; where urban *de*-struction, devastation, *de*-generation, *de*-modernization and annihilation haunt dreams of urban modernity and development; and where the promise of the city reveals its Janus-face in orgies of hatred, killing, murder, bombing and violence (see Ashworth, 1991; Lang, 1995; Picon, 1996, Davis, 2002; Vanderbilt, 2002; Cole, 2003; Schneider and Susser, 2003).

The starting point for this essay is that, in our post Cold-War and post 9/11 world, both the informal ('terrorist') and the formal (state) violence, war and terror that are engulfing our planet are actually constituted by the *systematic and planned targeting of cities and urban places*. This extended essay seeks to place such attacks—and the wider 'state of emergency' within which they are embedded—within their theoretical and historical context. In so doing, I aim to help urban social research to further confront the taboos which have, over the last 50 years, tended to inhibit research on, and recognition for, organized political violence against cities within critical social science.

In particular, my purpose in this extended essay, drawing on Paul Virilio's (1986) term, is to start mapping out what a specifically *urban* geopolitics might amount to. I take 'geopolitics' here to mean a concern with understanding the discourses, strategies and structures which emerge at the intersections of territory, spatiality, and political power and violence (Agnew and Corbridge, 1995). This essay's central concern is to argue that the parallel transformations of urbanism and political violence in the post-Cold War period, and the increasing constitution of war and terror by acts of violence carefully targeted against urban, local sites, makes the development of such a specifically urban geopolitics an urgent imperative. As states, wars, empires, resistance movements, terror networks and economic, social and cultural formations are reconstituted, in parallel, into stretched, transnational webs which inter-

sect, and constitute, the same sets of strategic urban sites, so this imperative will only gain more momentum.

It follows that there is an urgent, parallel, need for the real recent progress in developing a critical geopolitics (Ó Tuathail, 1999) to move beyond an exclusive concern for nation-states, international relations, and international terror networks. Critical geopolitics must also become sub-national. This is necessary so that the increasingly crucial roles of strategic urban places as geopolitical sites can be profitably analysed. A blizzard of questions provides fuel here. For example, on our rapidly urbanizing planet, how does the control, targeting, destruction and reconstruction of urban sites intersect with changing geopolitical structures and discourses? How are cities, and urban everyday life, being affected both by the umbilically connected interplay of terror and counter-terror? What roles do constructions, and imaginations, of 'homeland' and 'non-homeland' cities play within the emerging US 'Empire', a hegemonic neoliberalism, and a proliferation of sites and sources of resistance (Hardt and Negri, 2000)? What place do the systems of mobility, communication, infrastructure and logistics that are so central to contemporary urban life play, as targets and weapons, within the emerging crisis? How does the urbanization of terrain influence the 'asymmetric wars' that are emerging which pitch high-tech Western and US forces against both poorly equipped local fighters and anti-globalization movements? Finally, what are the prospects for creatively blending critical urban and geopolitical theory to match the parallel rescaling of political violence and urbanism in today's world?

In sum, this essay has been written in the belief that both a specifically geopolitical urbanism, and a specifically urban geopolitics, are now urgently required. A constructive dialogue between such usually separated research communities would, I believe, open up many extremely promising avenues for theory, analysis and activism. What follows is designed to help such a dialogue

along. To achieve this, my simple aim is to help illustrate the inseparability of war, terror and modern urbanism. I do this by revealing a range of ‘hidden histories’ of what I call the ‘dark side’ of urban modernity—the propensity for urban life to be attacked, destroyed or annihilated in acts of organized violence.

Ten tales of urban geopolitics: on the ‘dark’ side of urban modernity

“Biologists have prepared ‘red books’ of extinct or endangered species; ecologists have their ‘green books’ of threatened habitats. Perhaps we need our ‘black book’ of the places destroyed or nearly destroyed by human agencies. Actually it would take many books and street maps packed with remembrances to record the settlements, neighbourhoods, and buildings in those places destroyed in recent wars.” (Hewitt, 1987, p. 275)

Arguably, humankind has expended almost as much energy, effort and thought to the annihilation and killing of cities as it has on their growth, planning and construction. Such city annihilation or urban warfare requires purposive work. It needs detailed analysis. Often, it involves ‘scientific’ planning and operational strategy-making of extraordinary complexity and sophistication. Thus, it is necessary to assume that a continuum exists connecting acts of building and physical restructuring, on the one hand, and acts of all-out, organized war on the other. By way of mapping the diverse ways in which place annihilation is utterly intrinsic to both urban modernity, and modern urbanism and planning, I offer below a range of 10 illustrative ‘tales’.

Architectures of annihilation: the ‘war ideology of the plan’

First, civilian urban planning, development, modernization and restructuring often actu-

ally involve levels of devastation of cities, ruination and forced resettlement that match that which occurs in all-out war. Even in supposedly democratic societies, planned urban restructuring often involves autocratic state violence, massive urban destruction, the devastation of livelihoods, and even mass death. In both authoritarian and democratic societies, ideologies of urban planning have often actually *invoked* metaphors of war and militarism. This has been widely practised as a means of comparing the purported need for violent restructuring in cities to achieve desired effects with the mass violence of states. Anthony Vidler (2001, p. 38) calls this “the war ideology of the plan”.

Thus, place annihilation can be thought of as a kind of hidden—and sometimes not so hidden—planning history (see Sandercock, 1998). The planned devastation and killing of cities is a dark side of the discipline of urban planning that is rarely acknowledged, let alone analysed. It is rarely realized, for example, that the analytical and statistical methods so often used in post-Second World War civilian planning have also been used—sometimes by the same demographic, economic and planning ‘experts’—to organize spatially the Apartheid regime in South Africa; to plan the systematic fire-bombing of German and Japanese cities; to organize the house by house demolition of Warsaw in 1945; to set up the giant urban-regional process of the Holocaust; or to starve many Eastern European cities and regions into submission in the mid-1940s. The latter work even involved the founder of Central Place Theory, that seminal economic geographer, Walter Christaller—star of any traditional school human geography course. He was employed by the Nazis to rethink the economic geography of an ‘Aryanized’ Eastern Europe, a process linked directly to the planned starvation and forced migration of millions of people (see Rössler, 1989; Aly and Heim, 2002).

Mock German and Japanese housing units, complete with authentic roofing materials, furniture and clothing, were erec-

ted in Nevada to allow the incendiaries that would later burn Dresden and Tokyo to be carefully customized for their intended targets (Davis, 2002, pp. 65–84). “The combustibility of Japanese dwellings was well illustrated by tests made in this country”, recalled the US Strategic Bombing Survey in 1947:

“Four buildings were constructed: two in ‘typical Japanese fashion’ [and] the other two to comply with the latest Tokyo fire regulations . . . The four structures were set on fire to determine the time necessary for their destruction. Those constructed in ‘typical Japanese fashion’ burned to the ground in 12 minutes; those constructed in accordance to Tokyo fire regulations were consumed in 32 minutes.” (1947a, p. 72)

The US Strategic Bombing Survey was the apogee of the systematic evaluation of the ‘success’ of urban planning for mass death. In it, thousands of operation scientists, architects, engineers and urban statisticians pored over every urban bomb blast in Japan and Germany in an effort to improve the ‘efficiency’ of the city-killing process (Figure 1).

To predict the effects of the ‘A’-bombs on Hiroshima and Nagasaki, a ‘Japanese village’ was even constructed—again in Nevada—complete with all sorts of realistic Japanese-style buildings and infrastructures (Vanderbilt, 2002).

Similarly grim work goes on and on. More recently, the US and Israeli militaries have co-operated to construct and run a kind of shadow *urban system* of complete urban districts, replete with authentic ‘Islamic’ features, in order to train the marines and soldiers who invaded Baghdad, Basra and Jenin (Graham, 2003).

It is also scarcely realized that demographers, statisticians, geographers, architects and planners have been central to Israel’s efforts to deepen its control over the three-dimensional spaces of the Occupied Territories. Their analyses and prescriptions have helped to shape the annexing of Palestinian

land, the construction of walls and ‘buffer zones’, the mass bulldozing of houses, the ethnic cleansing of selected areas, the construction of carefully located Jewish settlements and access roads, or the appropriation of water and airspace (Graham, 2003; Weizman, 2004).

‘Planning’ and occupation as war on the colonized city

“One of the achievements of the great wave of modernization that began in the late 18th century was to incorporate urbicide into the process of urban development . . . Its victims, along with their neighbourhoods and towns, vanish without a trace.” (Berman, 1996, p. 181)

In our second illustration, many strategies of occupation and colonization have been based explicitly on the planned destruction and devastation of cities. Urban ‘planning’ in many colonized cities often amounts to little but the planned devastation and bulldozing of indigenous cities to underpin the strategic control of the occupiers or settlers (Said, 1993; see Maldonado-Torres, 2004). Here the ‘orderly’ imprints of Western-style urban planning and property law have long been used as a form of urban warfare. First, this was done to quell local insurgencies in non-Western, colonized cities. Later, such militarized planning strategies were often imported back to the homeland to reshape the great imperial capitals for similar purposes (Miseselwitz and Weizman, 2003).

The first special manual on ‘urban warfare’ was produced in 1847 by the French army to show how troops could ruthlessly put down insurrections in Algiers which were then erupting, led by Abdel Kager. This book, *La Guerre des Rues et des Maisons*, was authored by the leader of the French Forces, Bugeaud (1997). After a bloody, seven-year struggle in a classic ‘asymmetric’ urban war—with 100,000 French troops pitched against 10,000 local

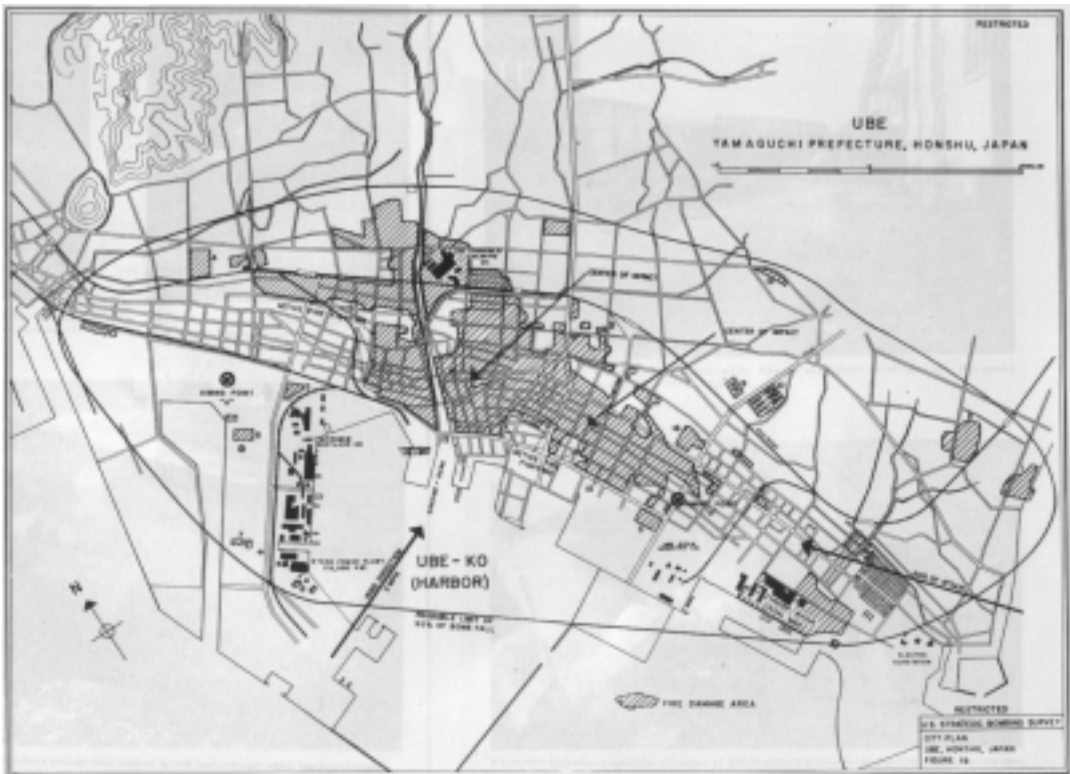
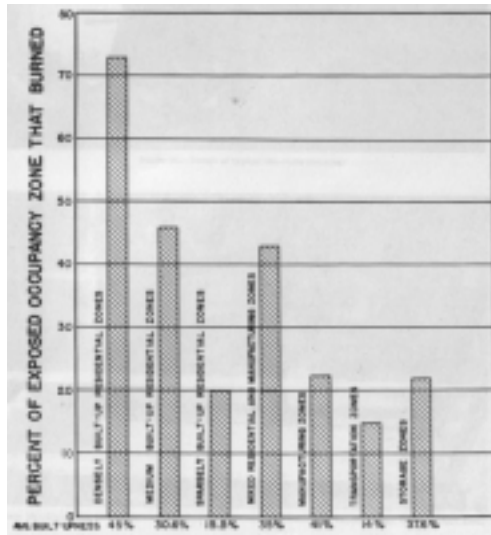


Figure 1 Typical post-annihilation analyses of the US Strategic Bombing Survey (USSBS) of 1947. This involved detailed assessments of the effectiveness of incendiary and atomic bombs in destroying the various types, structures and contents of Japanese urban spaces as though the killing of a million Japanese civilians were some giant physical experiment. (a) percentage of urban Japan which was 'successfully' incinerated according to the dominant land use (USSBS, 1947b, Vol. ix, Chap. 3, p. 45). Of all the 64 cities burnt, the Survey concluded that "Tokyo was the best-burning of them all" (USSBS, 1947b, Vol. ix, Chap. 3, p. 38); (b) Fire damage map of the small Japanese city of Ube (USSBS, 1947b, Vol. ix, Chap. 3, p. 79).



Figure 2 'Operation Anchor': the use of explosives by the British to carve boulevards through the Palestinian Casbah in Jaffa in 1936, to improve the strategic control of the British over the settlement. Source: Misselwitz and Weizman (2003, p. 275).

resistance fighters—Bugeaud simply destroyed entire neighbourhoods in the dense Algiers Casbah. In the process he committed many atrocities against civilians and fighters alike and imprinted massive avenues through the city to sustain military surveillance and movement. This broke the resistance (for a time, at least) (Misselwitz and Weizman, 2003).

In a process that would be paralleled many times later, these techniques were then used

to inform urban planning strategies to quell civil and social unrest in the 'homeland', imperial centres of the colonizing powers. Bugeaud's doctrines, for example, had a major influence on Baron Haussmann in the 1870s, as he violently imprinted a strategy of massive boulevards and canon firing-arcs on Paris, partly for the sake of improving the strategic control of the State on the volatile capital (Misselwitz and Weizman, 2003). In the process "Haussmann draped a façade of theatres, cafes and shops over boulevards laid out for the benefits of the troops who might be called upon to quell civil disturbance" (Muschamp, 1995, p. 105).

Thus, the anti-urban rhetoric of ruling élites tended to see both colonized and 'home' cities as morally toxic hotbeds of unrest that needed to be 'regularized' and disciplined through similar, violent, urban restructuring efforts. "If strategic urban design previously focused on strengthening the city's peripheral walls and fortifications to keep out the enemy", wrote Misselwitz and Weizman:

"here, since the enemy was already inside the city, the city had to be controlled from within. The city fabric itself, its streets and houses, that had to be adapted accordingly . . . Military control was exercised on the drawing board, according to the rules of design, fashion and speculative interests." (2003, p. 272)

Here there are sometimes striking continuities between the colonial and supposedly 'postcolonial' city. In an episode that sadly would be repeated in the same city 56 years later by the Israelis (see Figure 6), in 1936, the British took 4200 kilos of explosives to the refugee camp in Jenin and destroyed a whole quarter of the town. This was an act of collective punishment at the continuing resistance to their occupation of Palestine (Corera, 2002). A similar process of urban remodelling by demolition, aimed at undermining resistance, occurred in Jaffa in the same year (Figure 2).

Modernism and urban war I: aerial living as response to aerial war

Our third illustration centres on the first of two deep connections that run between modernist urbanism and aerial bombing. For Le Corbusier's famous obsession with loosely spaced modern towers set in parkland—most famously elaborated in his *Ville Radiense* or 'Radiant City' (1933)—were not just a celebration of light, air, sunlight and the modern house as a 'machine for living in'. They were also a reaction to a widespread obsession in 1930s Europe with the need to completely re-plan cities so that they presented the smallest possible targets to the massed ranks of heavy bombers then being fielded by the major powers. Corbusier's towers—variants of which had hardened 'anti-aircraft' bomb-proof roofs—were also designed to lift residents above expected gas attacks (Markou, 2002).

Like the Italian futurists before him, Le Corbusier celebrated the modernism of the aircraft machine and its vertical destructive power. "What a gift to be able to sow death with bombs upon sleeping towns", he wrote (1935, pp. 8–9). His response to the "sinister apotheosis" of death and destruction heralded by aerial warfare was the total demolition of the old city, and its replacement by a modern utopia specifically designed to be "capable of emerging victorious from the air war" (1935, pp. 60–61).

Post 9/11—an event which seemed to underline the extreme *vulnerability* of skyscrapers—it seems painfully ironic that the dreams of that arch celebrator of sky scrapers were, in fact, partly intended to *reduce* the city's exposure to aerial annihilation. The famous modernist architectural theorist Sigfried Gideon—who was strongly influenced by Le Corbusier's views—argued in 1941 that:

"the threat of attack from the air demands urban changes. Great cities sprawling open to the sky, their congested areas at the mercy of bombs hurtling down out of

space, are invitations to destruction. They are practically indefensible as now constituted, and it is now becoming clear that the best means of defending them is by the construction, on the one hand, of great vertical concentrations which offer a minimum surface to the bomber and, on the other hand, by the laying out of extensive, free, open spaces." (1941, p. 543)

Modernism and urban war II: aerial bombing as a "new chance"

Following the war, as the scale and scope of devastation became clear, preservationists achieved some limited success in rebuilding parts of some cities along old lines. Many ruined buildings—churches especially—were also preserved as war memorials. The British war artist Kenneth Clark even argued that "bomb damage itself is picturesque" (Woodward, 2001, p. 212).

Our fourth illustration centres on the way in which devout modernists saw the unimaginable devastation as an unparalleled opportunity to reconstruct entire cities according to the principles of Le Corbusier and other modernist architects. As part of the 'brave new world' of post-war reconstruction, modernist planners and architects seemed in many cases to be almost grateful that the deadly work of the bombers had laid waste to waste urban landscapes of traditional, closely built streets and buildings (Tiratsoo *et al.*, 2002).

For example, one pamphlet, published in the UK by John Mansbridge during the Second World War (Figure 3), expressed gratitude to that modernist icon, the aeroplane. Not only had it "given us a new vision" but it had offered Britain "a new chance by blasting away the centres of cities". Thus, it continued, modernist reconstruction would now be delivered to sustain "the swift flow of modern traffic for the play of light and air" (Tiratsoo *et al.*, 2002).

Meanwhile, in Germany, the closing stages of the Second World War saw Third Reich planners preparing to totally disperse the

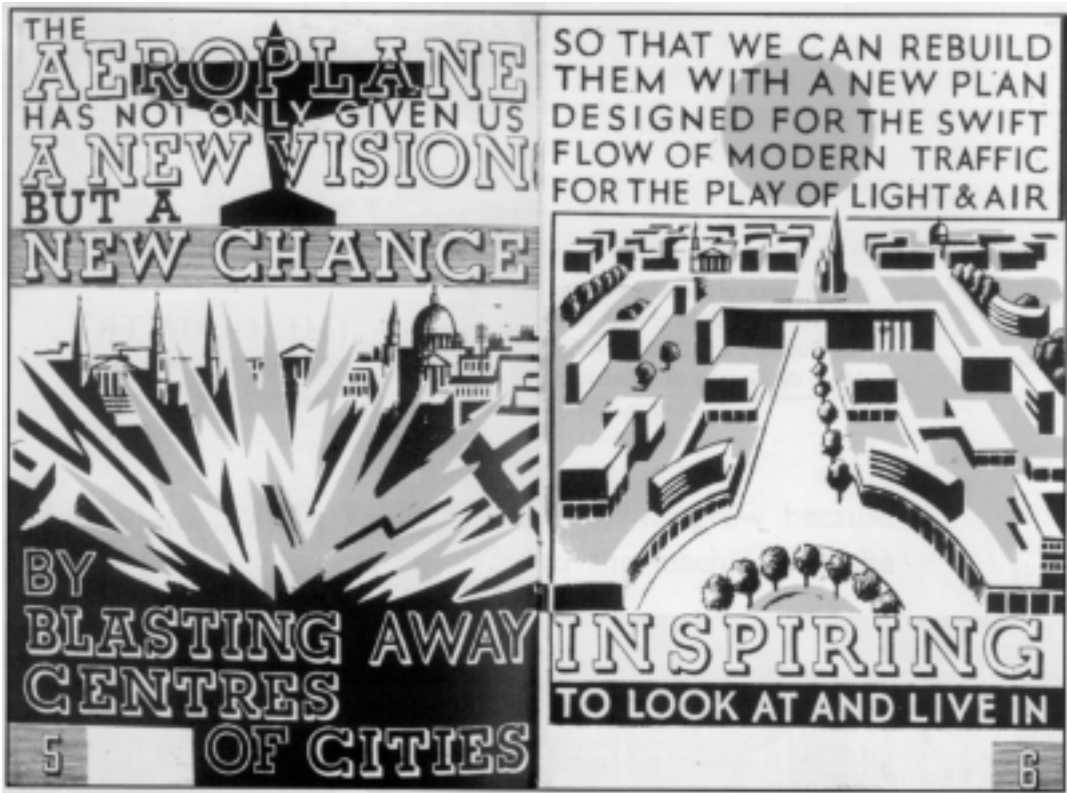


Figure 3 Illustrations from John Mansbridge's (nd) British Second World War pamphlet *Here Comes Tomorrow* celebrating both the modernism of aircraft and the 'new chance' their bombing offered British cities to rebuild along modernist lines. Source: Tiratsoo *et al.* (2002, p. 57).

City of Hamburg—which had been so devastated by the fire storm raids of 1943—as a test case in the wholesale 'deurbanization' of German society. When the founder of the Bauhaus, Walter Gropius, returned to Germany in 1947, to advise on post-war reconstruction, he argued that the urban devastation in Germany meant that it was "the best place to start breaking up cities into home towns and to establish small-scale communities, in which the essential importance of the individual could be realised" (cited in Kostof, 1992, p. 261).

Thus, in a way, the total bombing of total war—a massive act of *planned* urban devastation in its own right—served as a massive accelerator of modernist urban planning, architecture and urbanism. The *tabula rasa* that every devoted modernist craved sud-

denly became the norm rather than the exception, particularly in the city centres of post-war Europe. As a result, to use the words of Ken Hewitt (1983, p. 278), "the ghosts of the architects of urban bombing—(Guilo) Douhet, (Billy) Mitchell, (Sir Hugh) Trenchard, (Frederick) Lindemann—and the praxis of airmen like ('Bomber') Harris and (Curtis) LeMay, still stalk the streets of our cities".

Cold War urban geopolitics

In our fifth illustration, Cold War cities were often deliberately remodelled as a function of them resting at the centre of the nuclear cross-hairs. As Matthew Farish (2003) and Jennifer Light (2003) show, the

familiar story of deconcentration and sprawl in post-war US cities, for example, was not just fuelled by Federal subsidies, the Interstate highway program, a deepening anti-urbanism, and ‘White Flight’. It was also actively encouraged by military strategists to reduce the USA’s strategic vulnerability to a massive first nuclear strike by the Soviet Union.

As well as burrowing underground (McCamley, 1998; Vanderbilt, 2002), massive efforts were made to make cities sprawl. In the USA, especially, vast new suburban tracts were projected as domesticated citadels, populated by perfect nuclear families living the ‘American dream’ yet also shaped to be resilient in the face of atomic Armageddon (Zarlengo, 1999; McEnaney, 2000). Core cities, meanwhile, were widely portrayed by popular media and planners as inherently risky and unsafe, a politics of fear that mixed tragically with the wider racialization of urban centrality in post-war America and further fuelled central city decline (Galison, 2001).

Planning as ‘urbicide’: post-war urban ‘renewal’ and the military–industrial complex in the USA

A sixth illustration is the critical influence of such quasi-military urban planning on the huge effort at urban ‘renewal’ in the post-war USA. One of its arch proponents, Robert Moses—who was major of New York City for much of this period—believed that, in modernizing New York, “when you operate in an overbuilt metropolis you have to hack your way through with a meat ax” (quoted in Berman, 1983, p. 307). Following the displacement of 50,000 as a highway was carved through the Bronx, for example, Moses helped set in train a war-like process of disintegration which by the 1970s “had become spectacular, devouring house after house and block after block, driving hundreds of thousands of people from their homes” (Berman, 1996, p. 172). Marshal

Berman argues that the scale of devastation—if not the human lives lost—in such programmes, means that the Bronx needs to be seen in the same light as the all-out, or guerilla wars of Berlin, Belfast or Beirut. Along with several other authors he even coins the word ‘urbicide’—or “the murder of the city”—to describe all these, and many other cases (1996, p. 175).

Robert Goodman, writing in his 1972 book *After the Planners*, argued that a US-wide drive for such ‘urban renewal’ actually amounted to little but a exercise in racist (anti-black) state violence on a par with the genocidal attacks on the indigenous North Americans that drove them to the edge of extinction (see Porteous and Smith, 2001, Chap. 4).

Importantly, major military research and development bodies like RAND, STC and MITRE had major inputs into the statistical analyses, operations research strategies and ‘rational’ planning doctrines that fuelled the huge scale of Cold War ‘urban renewal’ and comprehensive redevelopment in the USA (Light, 2002, 2003). Thus, in many cases, the ‘sciences’ of urban and military strategy became extremely blurred and interwoven during this period. On the one hand, city governments pledged ‘war’ against the ‘urban crisis’ (see Farish, 2003). On the other, the military–industrial complex sought to gain finance and power by reshaping civil strategic spaces in cities (Beauregard, 2003). The result was that, “by 1970, the military–industrial complex had successfully done what it had set out to do at the start of the decade—expand its market to city planning and management” (Light, 2002).

Whilst rarely discussed, such planning-based urbicide is still extremely widespread around the world. For example, countless informal settlements continue to be bulldozed around the planet in the name of modernization, freeway construction, economic development, ‘hygiene’ and the improvement of a city’s image (see, for example, Patel *et al.*, 2002).

Urban ruination and the politics of 'unbuilding'

It is crucial to stress—in our seventh illustration—that, after decades of urban crises of various sorts and an entrenchment of global, neoliberal restructuring, the discipline of urban planning is now confronting what Mike Davis (2002) calls 'the radical contingency of the metropolis' in many guises and many places. The world is littered with failed utopian, modernist urban landscapes. Many of these now resemble dystopian sites of ethnic battles, economic and social collapse, financial meltdown or physical decay (Olalquiaga, 1995; Buck-Morss, 2000).

The continuum of organized, urban violence is thus complicated by the fact that much 'planned' urban change, even in times of 'peace', *itself* involves war-like levels of violence, destabilization, rupture, forced expulsion and place annihilation (Berman, 1996). Particularly within the dizzying peaks and troughs of capitalist urbanism, state-led planning often boils down to the legitimized clearance of vast tracts of cities in the name of the removal of decay, modernization, improvement, ordering, economic competition, or facilitating technological change and capital accumulation and speculation. "The economically, politically and socially driven processes of creative-destruction through abandonment and redevelopment", suggests David Harvey, "are often every bit as destructive as arbitrary acts of war. Much of contemporary Baltimore, with its 40,000 abandoned houses, looks like a war zone to rival Sarajevo" (Harvey, 2003b, p. 26).

As a result, in paradigmatic modern cities like Detroit, for example, much urban planning doctrine and effort now centres on the politics of 'unbuilding' rather than building (Daskalakis *et al.*, 2001). As in many other US core cities, old industrial European cities, and Asian and Latin American megacities confronting recent financial collapses, the challenge here is to 'plan' not for growth, prosperity and modernization. Rather, it is to try to overcome obsolescent structures, aban-

doned neighbourhoods, half-built or half-ruined cityscapes, decayed infrastructures and war-like levels of gang, ethnic and drug-related violence and arson (Vergara, 1997, 1999). Often, such "enclaves of disinvestment reverse normal codes of controlled development; they are pockets of free-fall urban implosion, partaking of a frenzied violence... Here the police plead for their own automatic weapons, pleading that they are outgunned by teenage gangs" (Shane, 1995, p. 65).

Terror versus 'war on terror': city-targeting, orbital power and new wars

"While at one time war elsewhere guaranteed peace at the centre of the empire, now the enemy strikes precisely and more easily at the centre... War abroad no longer guarantees peace at home." (Eco, 2003, p. 7)

"Cities are especially vulnerable to the stresses of conflict... City-dwellers are particularly at risk when their complex and sophisticated infrastructure systems are destroyed and rendered inoperable, or when they become isolated from external contacts." (Barakat, 1998, p. 12)

All of which leads neatly to our eighth vignette: a brief analysis of the central role of cities and urban spaces within the current 'third world war' pitching 'super terrorism' against counter-terrorism. Five brief points need to be stressed here.

Everyday infrastructures as weapons of war

First, the potential for catastrophic violence against cities and urban life has changed in parallel with the shift of urban life towards ever-more distanced, transnational, and flows-based systems and networks. The result of this is that the everyday technics, spaces and infrastructures of urban life—airliners, metro trains, computer networks, water sys-

tems, electricity grids, trade networks, food systems, medical systems, scientific research grids—may be easily assaulted and turned into agents either of instantaneous terror or debilitating demodernization (Graham, 2002; Luke, 2004). In a ‘24/7’, ‘always-on’ and intensively networked society, urbanites become so reliant on taken-for-granted infrastructural and computerized systems that they creep ever closer to the point where, as Bill Joy puts it, “turning off becomes suicide” (2000, p. 239). In particular, given that all the ‘Big Systems’ that sustain advanced, urban societies are profoundly electrical, we become “hostages to electricity” (Leslie, 1999). All this means that “tremendous lethal capabilities can be created simply by contra-functioning the everyday applications of many technics” (Luke, 2004).

Most obviously, this applies to the airline suicide attacks of 9/11 (Graham, 2002), Palestinian bus bombers or the Moscow metro attacks of February 2004. But it also applies to the much less well-known efforts of US and Israeli militaries to systematically demodernize entire urban societies in the past few decades. It is striking that the ‘innovations’ underpinning both informal and state terror, to use the words of Timothy Luke (2004), “mobilize assets for attacks that destructively activate the embedded threats of large technical systems, everyday logistics, and civil offensive capabilities”.

Thus, the murderous 9/11 attacks simply turned banal capsules of everyday, inter-urban mobility into anti-urban cruise missiles. A massive perversion of everyday mobility systems orchestrated for saturation real-time coverage, these attacks brought an overwhelmingly symbolic and mediatized act of urban mass murder to a devastating conclusion (Graham, 2002; Luke 2004).

Similarly, the deliberate US bombing of electrical systems in Kosovo in 1999, and Iraq in 2001—often using graphite ‘soft’ bombs designed to generate massive short circuits and fires—led to a vast pressure on those societies by effectively de-electrifying, and de-modernizing, them (Graham, 2004a).

Between 1991 and 2003, for example, as a result of the bombing and the following sanctions, Iraq was a modern, highly urban society forcibly “relegated to a pre-industrial age” by state violence (United Nations, 1999 cited in Blakeley, 2001, p. 32). Even a leading US Air Force planner had to concede that this direct targeting of so-called ‘dual-use’ (military/civilian) electrical infrastructure in 1991 “shut down water purification and sewage treatment plants. As a result, epidemics of gastroenteritis, cholera, and typhoid broke out, leading to as many as 100,000 civilian deaths and the doubling of infant mortality rates” (Rizer, 2001). Over the next decade, over 500,000 Iraqi civilians were to die because the war and the sanctions forced a modern, urban society to live without the basic, life-sustaining systems that are needed to keep it alive. This was a classic case, as Ruth Blakeley (2001) has put it, of ‘bomb now, die later’.

As US forces move into the new terrain of ‘cyber war’ or ‘computer network attack’ so they have developed detailed knowledge of the software systems that sustain basic, everyday infrastructure in potentially adversarial cities and states. In 2002, Major General Bruce Wright, Deputy Director of Information Operations at the Center at Joint Warfare Analysis Center at Dahlgren, VA, revealed that his team “can tell you not just how a power plant or rail system [within an adversary’s country] is built, but what exactly is involved in keeping that software system up and making that system efficient” (cited in Church, 2002).

The urbanization of war: cities as refuge from orbital and aerial hegemony

“Some people say to me that the Iraqis are not the Vietnamese! They have no jungles or swamps to hide in. I reply, ‘let our cities be our swamps and our buildings our jungles’.” (Tariq Aziz, then Iraqi foreign minister, October 2002, quoted in Bellamy, 2003, p. 3)

Second, the relative anonymity of urban life renders cities as the last sites of refuge from the globe-spanning, high-tech military omnipotence of US surveillance and killing. The complex, congested and contested terrain below, within and above cities is seen by many within the US military as a set of physical spaces which limit the effectiveness of high-tech space-targeted bombs, surveillance systems and automated, 'network-centric' weapons. These derive their power from the USA's massive dominance in space-based satellite targeting, navigation and surveillance (Graham, 2004b). Such weapons and information systems have been deliberately developed in the last 30 years, under the auspices of the so-called 'Revolution in Military Affairs', to ensure that the USA remains a pre-eminent global military power with 'full spectrum dominance' over its potential challengers (Gray, 1997). The widespread urbanization of potential 'battlespace' is therefore seen to reduce the ability of US forces to fight and kill at a distance (always the preferred way because of their 'casualty dread' and technological supremacy). And, as is being revealed in the Iraqi guerrilla war, urban warfare is also seen to necessitate a much more labour- and casualty-intensive way of fighting than the USA is used to these days.

"The long term trend in open-area combat is toward overhead dominance by US forces", writes Ralph Peters (1996, p. 6), an influential US observer of what might be termed the urbanization of war. "Battlefield awareness may prove so complete, and 'precision' weapons so widely-available and effective, that enemy ground-based combat systems will not be able to survive in the deserts, plains, and fields that have seen so many of history's main battles." As a result, he argues that the USA's "enemies will be forced into cities and other complex terrain, such as industrial developments and inter-city sprawl" (1997, p. 4).

Peters's military mind recoils in horror at the prospect of US forces habitually fighting in the majority world's burgeoning mega-

cities and urbanizing corridors (see also Rosenau, 1997; Spiller 2000). To him, these are spaces where "human waste goes undisposed, the air is appalling, and mankind is rotting" (Peters, 1996, p. 2). Here cities and urbanization represent decay, anarchy, disorder and the post-Cold War collapse of 'failed' nation-states. "Boom cities pay for failed states, post-modern dispersed cities pay for failed states, and failed cities turn into killing grounds and reservoirs for humanity's surplus and discards (guess where we will fight)" (1996, p. 3).

To Peters, the pivotal geo-strategic role of urban regions within the post-Cold War period is stark and clear. "Who cares about Upper Egypt if Cairo is calm?", he writes. "We do not deal with Indonesia—we deal with Jakarta. In our [then] recent evacuation of Sierra Leone Freetown was all that mattered" (1997, p. 5). Peters also candidly characterizes the role of the US military within the emerging neoliberal 'empire' with the USA as the central military enforcer (although he obviously does not use these words) (see Hardt and Negri, 2000). "Our future military expeditions will increasingly defend our foreign investments", he writes, "rather than defending [the home nation] against foreign invasions. And we will fight to subdue anarchy and violent 'isms' because disorder is bad for business. All of this activity will focus on cities".

Such urban warfare 'expeditions' have been central to the USA's post-Cold War strategy. In a parallel process of urbanization of war (Graham, 2004c, Part II), they are also the basis for the intensifying efforts of Israeli forces to systematically demodernize Palestinian cities. All these aggressions have devastated, and immiserated, the fragile systems that allow urban societies to function. Arguably—at least in this case—the attacks have been so comprehensive and complete that we have witnessed a case of 'urbicide'—the denial, or killing, of the city (see Berman, 1996; Safier, 2001; Graham, 2003, 2004d). Thousands of dwellings have been demolished

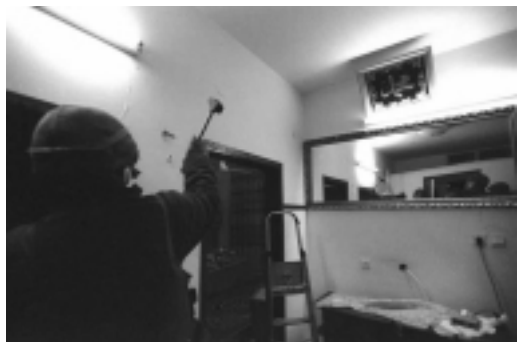


Figure 4 The banality of uricide: Israeli Defence Force soldiers preparing to blow up a Palestinian home in the Tul Quarem refugee camp in the West Bank, 2002. Photographer: Nir Kafri, 2003.

(Figure 4). Infrastructure systems have been systematically ripped up by the claws of bulldozers (Figure 5). And whole refugee camps deemed to be the symbolic or actual centres of resistance to occupation—both through the horrific programme of suicide bombing in Israeli cities, and other means—have been bulldozed in the culmination of brutal urban battles (Figure 6). Urban areas have had the life literally strangled out of them by extending arrays of checkpoints, curfews and barriers, combined with the progressive annexation of water resources and the destruction and annexation of agricultural land. The Palestinian population has been brutalized like never before, with 2194 civilians killed between September 2000 and 21 October 2003 alone (Graham, 2004d).

The language and legitimization of war

Thirdly, as always, these urban wars are being made and legitimized through language. Both Sharon's assaults on Palestinian cities, and Bush's assaults on Iraqi and Afghan ones, have been justified through indiscriminate, Orientalist, categorizations. This language—what has been termed the 'new barbarism'—does huge political work. It does this by separating "the civilized world" [Israel or the USA]—who's 'home-land' cities must be 'defended'—from the "dark forces" which are alleged to threaten the health, prosperity, and democracy of both these spaces and the 'free' world (Kaplan, 2003; Tisdall, 2003; Tuastad, 2003).

Thus, such rhetoric conveniently lumps together the residents of whole nations as sources of 'terrorism'. As Derek Gregory (2003, p. 311) has shown, such language sustains the demodernization, as well as demonization, of whole Islamic or Arab urban societies. By 'casting out' the subject civilians of those cities, these people, crucially, are "placed beyond the privileges and protections of the law so that their lives

(and deaths) [are] rendered of no account". In then forcibly creating a kind of chaotic urban hell, through state terror, violence, and the deliberate destruction of modern urban infrastructures, this violence, perversely, produces what the discourses depict: an urban world "outside of the modern, figuratively as well as physically" (Gregory, 2003, p. 313).

Urban war and 'accumulation by dispossession'

Fourth, such destruction, and the new strategy of *pre-emptive* war also, of course, create opportunities for predatory, imperial gain. This is especially so as they are located within a globalizing, neoliberal, political economy centred on the rapacious accumulative appetite of politically favoured transnationals for both urban and infrastructural assets and strategic raw materials (Harvey, 2003b; Kirsch, 2003).

Certainly, the US invasions of key parts of the strategic zones of central Eurasia and the Middle East have paved the way for what David Harvey (2003a, Chap. 4) has called "accumulation by dispossession". This has operated through the privatization of assets and infrastructures in conquered lands and the handing over of these assets, and natural resource rights, to the massive corporations that are almost inseparably woven into the Bush regime. Even moderate commentators like Michael Ignatieff now admit that the high-tech 'war on terror' is, essentially, a classic, imperialistic strategy adjusted to the demands of a US-centred, network-based, neoliberal 'empire' based on commercial control backed up by military dominance (Ignatieff, 2003; see Hardt and Negri, 2000; Klein, 2003). "This war, like most of the wars that preceded it, is firmly rooted in geopolitical competition" (Klare, 2001, p. 4). As Dyer-Witford has argued, it remains the case that, "at its cutting edge, capitalist globalization means war" (1999, p. 157).



Figure 5 A series of video capture images showing the claw of an Israeli Defence Force D-9 bulldozer being used to destroy a Palestinian road and water network in Bethlehem as part of 'Operation Defensive Shield', April 2002. Photographer: a Palestinian activist who wishes to remain anonymous.



Figure 6 Aerial photograph of the destruction of the Hart-Al-Hawashin district in the centre of the Jenin refugee camp caused by Israeli bulldozers (used with the permission of the Public Relations Branch, Israeli Defence Force).

Urban cosmopolitanism and competing fundamentalisms

Finally, cities constitute the front line of the ‘war on terror’ in another crucial way. As the critical sites of diasporic mixing, and the destination points for global migration, cities provide the multicultural environments which are being stretched across the resurgent ‘them’ and ‘us’ boundaries that are (re)emerging in the wake of 9/11, the ‘war on terror’, and the drive for ‘homeland security’ (Sassen, 1999). What future for urban multiculturalism, or for the global–local flows of migration and diaspora formation, in a world where “the rhetoric of ‘insides’ needing protection from external threats in the form of international organizations is pervasive” (Dalby, 2000, p. 5)?

Ironically, 9/11 itself symbolized that this telescoping of the world’s political violence into the city (and *vice versa*) was now inescapable. “If it existed, any comfortable distinction between domestic and international, here and there, us and them, ceased to have meaning after that day” (Hyndman, 2003, p. 1).

On the one hand, then, the 9/11 attacks can be seen as part of a fundamentalist, transnational war, or Jihad, by radical Islamicist movements against pluralistic and heterogeneous mixing in (capitalist) cities (Buck-Morss, 2003). This loosely affiliated network of radical Islamic terror organizations need to be considered as one of a large number of social movements against what Castells calls the “new global order” (2004, p. 108). Heterogeneous mixing of ethnicities and religious groups holds no place within

umma, the transnational fundamentalist Islamic space that these movements are struggling to establish (Castells, 2004, p. 111). Thus, it is notable that cities that have long sustained complex heterogeneities, religious pluralism, and multiple diasporas—New York and Istanbul, for example—have been prime targets for catastrophic terror attacks. Indeed, in their own horrible way, the grim lists of casualties on that bright New York day in September 2001 revealed the multiple diasporas and cosmopolitanisms that now constitute the very social fabric of ‘global’ cities like New York. As Watson writes:

“global labor migration patterns have . . . brought the world to lower Manhattan to service the corporate office blocks: the dishwashers, messengers, coffee-cart vendors, and office cleaners were Mexican, Bangladeshi, Jamaican and Palestinian. One of the tragedies of September 11th 2001 was that it took such an extraordinary event to reveal the everyday reality of life at the heart of the global city.” (2003, p. 109)

On the other hand, Bush’s neoconservative and neoimperial ‘war on terror’ also problematizes such urban cosmopolitanism. It, too, undermines both the possibility, and the legitimacy, of city-based democratic pluralism and dissent against the ‘new global order’. In asserting a binaried split between “the civilised and savage throughout the social circuitry”, the ‘war on terror’ rhetoric of the Bush regime, and the policies based on it, have produced a “constant scrutiny of those who bear the sign of ‘dormant’ terrorist” (Passavant and Dean, 2002, cited in Gregory, 2003). It has also “activate[d] a policing of points of vulnerability against an enemy who inheres within the space of the US” (*ibid.*).

A ‘domestic front’ has thus been drawn in Bush’s ‘war on terror’. Sally Howell and Andrew Shryock (2003) call this a “cracking down on diaspora”. This process involves deepening state surveillance against those seen to harbour ‘terrorist threats’, combined with a radically increased effort to ensure the

filtering power of national borders (see Andreas and Biersteker, 2003; Molotch and McLain, 2003). After decades when the business press triumphantly celebrated the ‘death of distance’, or the imperative of opening borders to the ‘free’ movements of neoliberal globalization, post-9/11, “in both political debates and policy practice, borders are very much back in style” (Andreas and Biersteker, 2003, p. 1).

Once again, then, nations, as well as strategic cities, are being (re)imagined as bounded, organized spaces with closely controlled, and filtered, relationships with the supposed terrors of the outside world. Global geopolitical tensions, and attempts to bolster ‘homeland security’, have telescoped into policies shaping immigration controls, social policies addressing asylum seekers, and local policies towards multicultural and diasporic communities in cities. In the USA, for example, national immigration, border control, and social policy strategies have been dramatically remodelled since 9/11 in an:

“attempt to reconstitute the [USA] as a bounded area that can be fortified against outsiders and other global influences. In this imagining of nation, the US ceases to be a constellation of local, national, international, and global relations, experiences, and meanings that coalesce in places like New York City and Washington DC; rather, it is increasingly defined by a ‘security perimeter’ and the strict surveillance of borders.” (Hyndman, 2003, p. 2; see Anderson, 2002)

The ‘hybrid’, transnational identities of many neighbourhoods and communities in cities, shaped by generations of migration and diasporic mixing, are thus becoming problematized. Inevitably, such places and groups are being ‘stretched’ across the resurgent ‘them’ and ‘us’ or ‘home’ and ‘foreign’ binaries that are being imposed. Many people, spaces and communities in Western cities are thus becoming ‘othered’ simply because they are perceived to be associated with ‘Arab’ or ‘Muslim terrorists’ (Hall, 2003).

Homeland/globe: war, 'security', and the geopolitics of production and consumption

"Every generation has a taboo and ours is this: that the resources upon which our lives have been built are running out."
(Monbiot, 2003, p. 25)

Which brings us neatly to our penultimate example of the inseparability of contemporary war and urbanism. This centres on the ways in which the reconstruction of landscapes and consumption habits in the wealthy cities of the advanced industrial world, with their profound implications for geopolitical competition, impact on security, terror and urbanizing war elsewhere (Le Billon, 2001). A powerful case of these important but poorly researched connections comes with the growing fashion for large, four-wheel drive 'Sports Utility Vehicles' (SUVs) in Western, and particularly, US cities.

Given the very high degree of influence of major US oil companies on the Bush regime, there is growing evidence of direct connections between the fashion for more and more profligate use of oil in sprawling US cityscapes; the geopolitical remodelling of US defence forces; and the so-called 'war on terror' through which the US government is achieving a high level of geopolitical control of the world's largest untapped oil reserves, in and around the Caspian Basin (Kleveman, 2003). 9/11 has thus been ruthlessly exploited. In particular the 9/11 attacks provided the "catastrophic and catalysing event" that was identified by the influential 1997 report *Project for a New American Century*—including Donald Rumsfeld and Paul Wolfowitz—as necessary to allow the USA to justify the invasion of Iraq with any hope of legitimacy (Harvey, 2003b, p. 15).

Whilst the US strategy is not necessarily about directly controlling oil resources *per se*, there is little doubt that "it is about ensuring that whoever controls it buys and sells it in US dollars through the New York

commodities market" that lies a few hundred metres from 'ground zero' (Halevi and Varoufakis, 2003, p. 66). There is little doubt that a key objective of the US attack on Iraq was to install a US-friendly oil-producing regime there that would eventually displace the Saudis as the main 'swing producer', allowing the USA (and not OPEC) to regulate the international price of oil (Harvey, 2003a; Gregory, 2004a).

Three key points are crucial here. First, SUVs were fashioned and marketed after the first Gulf War as quasi-militarized 'urban assault luxury vehicles' (Rampton and Stauber, 2003). Clotaire Rapaille, a psychological consultant to major US SUV manufacturers, reveals that his research suggests that Americans want "aggressive cars" that can be thought of as "weapons" or "armored cars for the urban battlefield". The design and marketing of such vehicles, he argues—with their names like 'Stealth' and 'Warrior'—needs to tap into, and address, their consumers' fears about contemporary urban life (cited in Rampton and Stauber, 2003, p. 138).

Post-9/11, it is now clear that advertisers have been deliberately exploiting widespread fears of catastrophic terrorism to further increase sales of highly profitable SUVs. Rapaille has recently been urging the main auto manufacturers to address the fact that "the Homeland is at war" by appealing to buyers' most primitive emotions (*ibid.*, p. 139).

Second, the SUV is being enrolled into urban everyday life as a defensive capsule or "portable civilization"—a signifier of safety that, like the gated communities into which they so often drive, is portrayed in advertisements as being immune to the risky and unpredictable urban life outside (Garner, 2000). Such vehicles seem to assuage the fear that the urban middle classes feel when moving—or queuing in traffic—in their 'homeland' city.

Subliminal processes of urban and cultural militarization are going on here. This was most powerfully illustrated by the trans-

formation of the US army's 'Humvee' assault vehicle into the civilian 'Hummer' just after the first Iraq war—an idea that came from the *Terminator* film star (and now California Governor) Arnold Schwarzenegger (who promptly received the first one off the production line). Andrew Garner writes that:

“For the middle classes, the SUV is interpreted culturally as strong and invincible, yet civilised. In the case of the middle class alienation from the inner city, the SUV is an urban assault vehicle. The driver is transformed into a trooper, combating an increasingly dangerous world. This sense of security felt when driving the SUV continues when it is not being driven. The SUV's symbols of strength, power, command and security becomes an important part of the self-sign . . . With the identification of enemies within our borders, this vehicle has become a way of protecting members of the middle class from any threat to their lifestyle” (2000, p. 6).

Finally, the fact that SUVs account for over 45% of US car sales has very real impacts on the global geopolitics of oil. With their consumption rates of double or triple normal cars, this highly lucrative sector clearly adds directly to the power of the neo-conservative and ex-oil executive 'hawks' in the Bush regime to drive forward the above-mentioned strategy of colonization by dispossession. This is especially so as they have operationalized their perpetual 'war on terror' in ways that are helping the USA to secure access to the huge, low-priced oil reserves that the USA argues it needs to fuel its ever-growing level of consumption. (currently these stand at 25.5% of global consumption to sustain a country with less than 5% of the world's population.)

Clearly, then, the profligate oil consumption and militarized design of SUVs “takes on additional significance in the light of the role that dependency on foreign oil has played in shaping U.S. relations with countries in the Middle East” (Rampton and Stauber, 2003, p. 139).

“The economic, cultural and military infrastructure that undergirds US Middle East policy will not be so easily undone”, writes Tim Watson, “and without its wholesale reform or dismantling, Islamic terrorists will not so easily disappear” (2003, p. 110). As with the cosmopolitan nationalities of the dead, then, so the events of 9/11, in their own way, reflect and symbolize the deep connections between urban everyday life and city form and the violence spawned by geopolitical conflict and imperialist aggression. Watson writes that he has been haunted since 9/11 by images of the hundreds of vehicles abandoned, never to be recovered, at rail stations by commuters to the twin towers in the states of New York, Connecticut and New Jersey. “That day these symbols of mobility” became, instead:

“images of immobility and death. But these forlorn, expensive cars and SUVs also represent a nodal point between the US-domestic economy and a global oil market in which Saudi, Kuwaiti, and Iraqi production is still so important.” (2003, pp. 110–111).

‘A geopolitics of urban decay and cybernetic play’: popular culture blurs with military strategy

“War is the new psychotropic. War precludes our doubts. War preserves our right to pursue overabundance. War closes the circle. It creates anxiety; it cures anxiety. It defines our alienation; it resolves our alienation.” (Hart, 2003, p. 16)

Our final vignette centres on the ways in which the neglect of place annihilation in urban social science has left the connections between today's cities, and the curious obsession with ruined cities and post-apocalyptic urban landscapes in contemporary popular culture, largely unexplored. This is important because cities are unmade and annihilated *discursively* as well as through bombs, planes and terrorist acts. As various electronic

media become ever-more dominant in shaping the tenor of urban culture, so their depictions of cities crucially affect collective notions of what cities actually are, of what they might actually become.

Increasingly, in these 'post-modern' times, cities are depicted as sites of ruination, fear and decay, rather than ones of development, order or 'progress'. As long ago as the mid-1960s, Susan Sontag observed that most sci-fi films, for example, are about the "aesthetic of destruction, the peculiar beauties to be found in wreaking havoc, making a mess" (1966, p. 213). Crucially, this means that millennia-old "link between civilization and barbarism is reversed: City life turns into a state of nature characterised by the rule of terror, accompanied by omnipresent fear" (Diken and Laustsen 2002, p. 291).

This shift taps into a century or more of apocalyptic, anti-urban, literature and films—from H.G. Wells's (1908) *War in the Air* to vast ranges of atomic-age and cyberpunk fiction. All of this predicts in its own way the final victory of weapons of annihilation over the very possibility of a conventional urban life (see Franklin, 1988). Adding to this, a swathe of recent post-apocalyptic films have so shaped the collective culture of urbanism that the stock response to the 9/11 catastrophe was that "it was just like a scene in a movie!" Whilst the output of such films paused after 9/11 they are now back in full flow (Maher, 2002). Mike Davis has argued that the 9/11 attacks:

"were organised as epic horror cinema with meticulous attention to the *mise-en-scène*. The hijacked planes were aimed precisely at the vulnerable border between fantasy and reality . . . Thousands of people who turned on their televisions on 9/11 were convinced that the cataclysm was just a broadcast, a hoax. They thought they were watching rushes from the latest Bruce Willis film . . . The 'Attack on America', and its sequels, 'America Fights Back' and 'America Freaks Out', have continued to unspool as a succession of celluloid hallucinations, each of which can be rented from the video

shop: *The Siege, Independence Day, Executive Action, Outbreak, The Sum of All Fears*, and so on." (2002, p. 5)

Indeed, the complex links between virtual, filmic and televisual representations of city-killing, and actual acts of urban war, are becoming so blurred as to be almost indistinguishable. At least amongst US forces, the real targeting of cities is being remodelled as a 'joy stick war'. This operates through 'virtual' simulations, computerized killing systems, and a growing distancing of the operator from the sites of the killing and the killed. In the process, the realities of urban war—at least for some—start to blur seamlessly with the wider cultures of sci-fi, film, video games and popular entertainment (Thussu and Freedman, 2003).

Take, for example, the unmanned, low altitude 'Predator' aircraft that are already being used for extra-judicial assassinations of alleged 'terrorists' (and whoever happens to be close by) in the Yemen, Afghanistan and Iraq whilst being 'piloted' from a Florida air base 8 or 10,000 miles away. For the US military personnel doing the piloting, this 'virtual' work is almost indistinguishable from a 'shoot-em-up' video game (except that the people who die are real). "At the end of the work day", one Predator operator recently boasted during Gulf War II, "you walk back into the rest of life in America" (quoted in Newman, 2003).

As war is increasingly consumed by a voyeuristic public, so digital technologies bring the vicarious thrills of urban war direct to the homes of news-hungry consumers. Consumption of the Iraq war by people in the USA, for example, offered a wide range of satellite image-based maps of the City as little more than an array of targets, to be destroyed from the air, in newspapers or on media websites. Thus:

"The *New York Times* provided a daily satellite map of Baghdad as a city of targets. On the web, *USA Today's* interactive map of 'Downtown Baghdad' invited its users:

“Get a satellite-eye view of Baghdad. Strategic sites and bombing targets are marked, but you can click on any quadrant for a close up’. The site also included images of targets ‘before’ and ‘after’ air strikes. The *Washington Post*’s interactives invited the viewer to ‘roll over the numbers to see what targets were hit on which day; click to read more about the targets.” (Gregory, 2004b, p. 229)

In a perverse twist, corporate media and entertainment industries increasingly provide *both* computer games and films which virtually simulate recent urban wars to mass participants, *and* the virtual and physical simulations of cities that US forces use to hone their warfare skills for fighting in Kabul, Baghdad or Freetown.

This is one example of the ways in which the actual prosecution of wars is merging more and more with electronic entertainment industries. “The US military is preparing for wars that will be fought in the same manner as they are electronically represented, on real-time networks and by live feed videos, on the PC and the TV actually and virtually” (Der Derian, 2002, p. 61). The “military now mobilizes science fiction writers and other futurologists to plan for the wars of tomorrow just as they consciously recruit video-game playing adolescents to fight the same conflict” (Gray, 1997, p. 190).

James Der Derian (2001) coins the term the “military–industrial–media–entertainment network” to capture the deepening and increasingly insidious connections between the military, defence industries, popular culture and electronic entertainment. Here, huge software simulations are constructed to recreate any possible urban warfare scenario, complete with vast forces, casualties, the gaze of the media and three-dimensional, real-time participation by thousands. Hollywood specialists of computer-generated films provide extra ‘realism’ in these simulations; their theme park designers, meanwhile, help in the construction of the ‘real’ urban warfare training cities that are dotted across the USA. Major ‘invasions’—such as the ‘Urban War-

rior’ exercise in March 1999—are even undertaken on major US cities from air, land and sea to further improve training both for foreign incursions and the control of major domestic urban unrest. Civilians are employed in these exercises to play various parts (Willis, 2003). Such mock invasions have even been proposed as local economic development initiatives for declining city cores.

Finally, the US military are deepening their connections with corporate news media, so that the ‘information warfare’ side of their operations—i.e. propaganda—can be more successful. Just as Al Qaida timed the second plane’s impact on 9/11 so that the world’s news media could beam it live to billions of astonished onlookers, so the ‘Shock and Awe’ strategy at the start of the US bombing of Baghdad was a carefully orchestrated media spectacle (with the world’s TV journalists lined up in a major hotel a short, but safe, distance way from the carefully selected—and empty—buildings that were pinpointed for GPS-based destruction). Thus, both formal and informal attacks against cities emerge as rhizomatic, internationally networked operations orchestrated with global media representation in mind. Both Al Qaida and the US military are transnational organizations concerned as much with symbolic effects as with the real devastation of local sites (Zizek, 2003). “This war takes place in the invisible space of the terror imaginary of the US (attacks on buildings and government, germ infection, etc.) and in the visibly impoverished landscape of Afghanistan” (Aretxaga, 2003, p. 144).

James Lukaszewski, a US public relations counsellor who advises the US military, admits that the links between terrorist organizations and the global media are equally insidious:

“media coverage and terrorism are soul mates—virtually inseparable. They feed off each other. They together create a dance of death—the one for political or ideological motives, the other for commercial success.

Terrorist activities are high profile, ratings-building events. The news media need to prolong these stories because they build viewership and readership.” (cited in Rampton and Stauber, 2003, p. 134)

Claire Sponster (1992) terms the particular obsession with decayed cityscapes within cyberpunk depictions on urban futures a “geopolitics of urban decay and cybernetic play”. Whilst these have moved beyond the common sci-fi obsession with post-nuclear cities during the Cold War:

“the physical settings of [such] cyberpunk stories look strikingly like the settling of any post-holocausts story: blighted, rubble-strewn, broken-down cityspaces; vast terrains of decay, bleakness, and the detritus of civilization; and the near complete absence of a benign and beautiful nature.” (Sponster, 1992, p. 253)

The vast array of ‘virtual reality’ and simulation games, where players can be masters of urban annihilation, further demonstrate the blurring of the actual and virtual killing of urban places (and their inhabitants). Three ranges of games are relevant here.

First, there are simulated urban construction games—like the SimCities™ series. In these participants endlessly construct, and destroy, cityscapes in repeated cycles of virtual urban cataclysms (Sponster, 1992; Bleecker, 1994). One SimCity™ introduction and guide available on the Web describes the fascination with virtual urban destruction amongst players thus:

“My name is Dr Wright and I will be your guide and teacher as you set out to create bustling cities of sprawling urban wastelands. As Mayor, the choice is yours. Let’s start off by destroying Tokyo! Studies show that nine out of ten mayors begin their careers with a frenzy of destruction . . . Another curious fact about SimCity™ mayors is that one disaster is never enough. The reasoning goes something like this: “gee, that monster was great, but there must be half a dozen buildings still standing. I

wonder what it would take to destroy EVERYTHING!” . . . Simply point at the disaster(s) of your choice and push B to activate it.” (original emphasis)

Second, there are virtual combat games designed to allow Western users to ‘fight’ enemies in far-off cities. These provide omnipotent players with ‘realistic—and often devastated—(usually Middle Eastern) cities in which to annihilate racialized and dehumanized enemies again and again. The rhetoric and marketing of such games, echoing George Bush’s nationalistic discourses of ‘protecting freedom’ and ‘ensuring democracy’, imply that the task of the player is to infiltrate these cities to rid the world of ‘terrorists’ and so ‘fight for freedom’.

The urban war of your choice—*Black Hawk Down* (Mogadishu), *Gulf War I*, *Gulf War II*, the LA Riots, a myriad of urban ‘anti-terrorist’ operations—can thus be electronically simulated and consumed as entertainment. The comments of participants are very telling here. For example, a *Black Hawk Down* player admits that “those graphics are so sweet you can almost feel the bullets whizz past your head and ricochet off walls around you. The scenery is good although if you are spending time admiring it then your [sic] already dead!” Another gushes:

“when you’re trapped in the middle of a hostile situation and completely surrounded, it really does get the heart pumping . . . When I first jumped into a helicopter, took off, saw the enemy in the city streets below and then activated the helicopter’s mini-gun it was such a rush! I also enjoyed being able to use gun emplacements and firing massive mini-guns from the choppers and watching the empty shell casings bouncing off the tin roofs [of ‘Mogadishu’] below!”

A third range of games brings urban war to the ‘homeland’. Here the challenge is to destroy ‘terrorists’ who are in the process of unleashing instant and unknown catastrophes on Western cities. One user of the

“Tom Clancy Rainbow Six Rogue Spear Platinum” urban warfare game describes its challenges. “Urban Operations really add to the gameplay”, he says, “with missions in *live* public areas (London underground, open top markets etc). You can even shoot out the lights! [The spaces are] full of public people. And if a stray shot should kill any member of the public ... Game Over!” (comments taken from amazon.co.uk; original emphasis).

Conclusion: looking at ruins

“The human race is, and has always been, ruin-minded.” (Macaulay, 1964, p. 264)

“The ruins are painful to look at, but will hurt more in the long run if we try not to see.” (Berman, 1996, p. 185)

“Wounded cities, like all cities, are dynamic entities, replete with the potential to recuperate loss and reconstruct anew for the future.” (Schneider and Susser, 2003, p. 1)

To conclude this extended essay, it is strikingly clear that urbanists and urban researchers can no longer neglect either attempts to deny, destroy or annihilate cities, or the ‘dark’ side of urban modernity which links cities intimately to organized, political violence. In this ‘post-9/11’ and ‘post-war on terror’ world, urban researchers and social scientists—like everyone else—are being forced to begin addressing their taboos about attempted city-killing, place annihilation, ‘urbicide’ and the urbanization of war. In a parallel process, international relations theorists, geopolitical researchers and sociologists of war, are being forced to consider urban and sub-national spaces as crucial geopolitical sites, often for the first time.

As a result, researchers in both traditions are now once again starting to explore, and excavate, the spaces and practices that emerge at the intersections of urbanism, terrorism and warfare. There is a growing acknowl-

edgement that violent catastrophe, crafted by humans, is part and parcel of modern urban life. A much needed, specifically *urban*, geopolitics is thus slowly (re)emerging which addresses the telescoping connections between transnational geopolitical transformations and very local acts of violence against urban sites. This emerging body of work is trying to unearth, as Diken and Laustsen put it, “the way in which discipline, control, and terror coexist in today’s imaginary and real urban geographies” (2002, p. 291).

As an exploratory synthesis, this essay has developed a particularly broad perspective of the ways in which the purposive destruction and annihilation of cities, in war, terror, planning and virtual play, is utterly interwoven with urban modernity. Two conclusions are apparent from this wide-ranging discussion.

First, as the gaze of critical urban social science starts to fall on the purposive ruination and annihilation of place, so this synthesis underlines five, related, urban research challenges. First, the research and professional taboos that cloak the geopolitical and strategic archaeologies, and spatialities, of modern urbanism must be undermined, and understood. Second, the ‘hidden’, militarized histories and spatialities of modern urban planning and state terror must be excavated and relentlessly exposed. Third, the characteristics of city spaces and infrastructures that make them the choices *par excellence* of those seeking to commit terrorist acts require detailed analysis, as do the impacts of these acts on the shape, condition and imagining of cities and urban life. Fourth, the telescoping, transnational connections between the geopolitics of war and ‘empire’, and political economies of production, consumption, migration, the media and resistance require rigorous theorization and analysis. And finally, the fast-growing, and usually hidden worlds of ‘shadow’ urban research, through which the world’s military perceive, reconstruct and target urban spaces must be actively uncovered.

Our second conclusion, of course, must be politically, rather than analytically, normative. This reflects the palpable risk that a global polarization will emerge around the two alternative fundamentalisms that currently so threaten to destabilize, and devastate, our world. The clear imperative here is to forcibly reject *both* of the racist, masculinist fundamentalisms which are currently locked in a globe-spanning circle of intensifying atrocity and counter-atrocity. As Rosalind Petchesky has argued, these offer a choice between “the permanent war machine (or permanent security state) and the reign of holy terror” (cited in Joseph and Sharma, 2003, p. xxi). Untrammelled, the self-perpetuating cycles of atrocity between urban terror and state counter-terror, that these discourses legitimize and sustain, offer up an extremely bleak urban future indeed. This, perhaps, is the ultimate urban dystopia. For it is crucial to realize, as the Israeli–Palestinian quagmire demonstrates, that informal terror and state counter-terror tend to be umbilically connected. In the end, they tend, tragically, to be self-perpetuating in an endless circle of intensifying atrocity (Graham, 2004d). As Zulaika argues:

“the ultimate catastrophe is that . . . a categorically ill-defined, perpetually deferred, simple minded Good-versus-Evil war [‘against terror’] echoes and re-creates the very absolutist mentality and exceptionalist tactics of the insurgent terrorists. By formally adopting the terrorists’ own game—one that by definition lacks rules of engagement, definite endings, clear alignments between enemies and fiends, or formal arrangements of any sort, military, political, legal, or ethical—the inevitable danger lies in reproducing it endlessly.” (2003, p. 198)

As a global polarization threatens to occur between those who are pro-‘Western’ and those who are pro-‘radical Islam’—stoked by sickening and self-fulfilling circles of informal and state terror and fundamentalist propaganda—one thing is sure. Normatively,

cities must be seen as key sites, perhaps *the* key sites, for nurturing the tolerances, diasporic mixings, and multicultural spaces that are needed to push fundamentalist fantasies of all sorts to the lunatic fringes where they belong (Safier, 2001; Sandercock, 2003). Arguably, our planet currently faces no greater challenge.

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Notes

- 1 The term ‘postmortem city’ was first coined by Chris Hables Gray in his book *Postmodern War* (1997). He coined the term to describe an aerial ‘damage assessment’ map of Tokyo after the US fire bombing devastated the city on 9/10 March 1945. This raid—the most murderous act of war in human history—killed over 130,000 civilians in a few hours (see Gray, 1997, p. 86).
- 2 See, for example, Lang (1995), Berman (1996), Bollens (2001), Catterall (2001), Mendieta (2001), Safier, (2001), Coward (2002), Davis (2002), Diken and Laustsen (2002), Prodanovic (2002), Vanderbilt (2002), Bishop and Clancey (2003), Cole (2003), Farish (2003), Graham (2003, 2004a, 2004b, 2004c), Gregory (2003), Schneider and Susser (2003), Sassen (2002).

References

- Agier, M. (2002) ‘Between war and the city: towards an urban anthropology of refugee camps’, *Ethnography* 3(3), pp. 317–341.
- Agnew, J. and Corbridge, S. (1995) *Mastering Space*. London: Routledge.
- Aly, G. and Heim, S. (2002) *Architects of Annihilation: Auschwitz and the Logic of Destruction*. London: Wiedenfeld and Nicholson.
- Anderson, J. (2002) ‘Borders after 11 September 2001’, *Space and Polity* 6(2), pp. 227–232.
- Andreas, P. and Biersteker, T. (eds) (2003) *The Rebordering of North America*. New York: Routledge.

- Appadurai, A. (1996) *Modernity at Large: Cultural Dimensions of Globalization*. Minneapolis: University of Minnesota Press.
- Aretxaga, B. (2003) 'Terror as thrill: first thoughts on the "war on terrorism"', mimeo.
- Ashworth, G. (1991) *War and the City*. London and New York: Routledge.
- Barakat, S. (1998) 'City war zones', *Urban Age*, Spring, pp. 11–19.
- Beauregard, R. (2003) *Voices of Decline: The Postwar Fate of U.S. Cities*, 2nd edn. New York: Routledge.
- Bellamy, C. (2003) 'If the cities do not fall to the Allies, there may be no alternative to siege warfare', *The Independent*, 28 March, p. 3.
- Berman, M. (1983) *All that is solid Melts Into Air: The Experience of Modernity*, London: Verso.
- Berman, M. (1996) 'Falling towers: city life after uricide', in D. Crow (ed.) *Geography and Identity*, pp. 172–192. Washington, DC: Maitsonneuve Press.
- Bishop, R. and Clancey, G. (2003) 'The city as target, or perpetuation and death', in R. Bishop, J. Phillips and W.W. Yeo (eds) *Postcolonial Urbanism*, pp. 63–86. New York: Routledge.
- Bleeker, J. (1994) 'Urban crisis: past, present and virtual', *Socialist Review* 24, pp. 189–221.
- Blakeley, R. (2001) 'Bomb now, die later', www.geocities.com/ruth-blakeley/bombnowdielater/htm, accessed January 2004.
- Bollens, S. (2001) 'City and soul: Sarajevo, Johannesburg, Jerusalem, Nicosia', *City* 5(2), pp. 169–187.
- Braudel, F. (1973) *Capitalism and Material Life*. New York: Harper and Row.
- Buck-Morss, S. (2000) *Dreamworld and Catastrophe: The Passing of Mass Utopia in East and West*. Cambridge, MA: MIT Press.
- Buck-Morss, S. (2003) *Thinking Past Terror: Islamicism and Critical Theory on the Left*. London: Verso.
- Bugeaud, M. (1997) *La Guerre des Rues et Des Maison*. Paris: Jean-Paul Rocher.
- Castells, M. (1997) *The Power of Identity*. Oxford: Blackwell.
- Castells, M. (1998) *The End of Millennium*. Oxford: Blackwell.
- Castells, M. (2004) *The Power of Identity*, 2nd edn. Oxford: Blackwell.
- Catterall, R. (ed.) (2001) 'Cities under siege: September 11th and after', *City* 5(3) (special section), pp. 383–438.
- Church, W. (2002) 'Information warfare', www.icrc.org, accessed February 2004.
- Cole, T. (2003) *Holocaust City: The Making of a Jewish Ghetto*. London: Routledge.
- Corera, G. (2002) 'The British in Jenin', www.bbc.co.uk/radio4/today/reports/international/jenin.shtml, accessed September 2003.
- Coward, M. (2002) 'Community as heterogeneous ensemble: Mostar and multiculturalism', *Alternatives* 27, pp. 29–66.
- Dalby, S. (2000) 'A critical geopolitics of global governance', www.ciaonet.org/isa/das01/, accessed September 2003.
- Daskalakis, G., Waldheim, C. and Tound, J. (eds) (2001) *Stalking Detroit*. Barcelona: Actar.
- Davis, M. (2002) *Dead Cities*. New York: The New Press.
- Der Derian, J. (2001) *Virtuous War: Mapping the Military–Industrial–Media–Entertainment Complex*. Boulder, CO: Westview Press.
- Der Derian, J. (2002) 'Cyberspace as battlespace: the new virtual alliance of the military, the media and the entertainment industries', in J. Armitage and J. Roberts (eds) *Living with Cyberspace*, pp. 61–71. London: Continuum.
- Diken, B. and Laustsen, C. (2002) 'Security, terror, and bare life', *Space and Culture* 5(3), pp. 290–307.
- Diken, B. and Laustsen, C. (2003) *Camping as a Contemporary Strategy: From Refugee Camps to Gated Communities*. AMID Working Paper Series, 32. Ålborg: Ålborg University.
- Driver, F. and Gilbert, D. (eds) (2003) *Imperial Cities*. Manchester: Manchester University Press.
- Dyer-Witthford, N. (1999) *Cyber-Marx: Cycles and Circuits of Struggle in High-technology Capitalism*. Chicago: University of Illinois Press.
- Easterling, K. (2002) 'Enduring innocence', in M. Sorkin and S. Zukin (eds) *After the World Trade Center*, pp. 189–196. New York: Routledge.
- Eco, U. (2003), 'Give peace a chance', *Guardian Review*, 1st February.
- Farish, M. (2003) 'Disaster and decentralization: American cities and the Cold War', *Cultural Geographies* 10, pp. 125–148.
- Franklin, H. (1988) *War Stars: The Superweapon and the American Imagination*. New York: Oxford University Press.
- Galison, P. (2001) 'War against the center', *Gray Room*, Summer, pp. 6–33.
- Garner, A. (2000) 'Portable civilizations and urban assault vehicles', *Techné: Journal of the Society for Philosophy and Technology* 5(2), pp. 1–7.
- Giddens, A. (1985) *The Nation-state and Violence*. Cambridge, Polity.
- Gideon, S. (1941) *Space, Time and Architecture*, Cambridge, MA: Harvard University Press.
- Goodman, J. (1972) *After the Planners*. New York: Basic Books.
- Graham, S. (2002) 'In a moment: on global mobilities and the terrorised city', *City* 5(3), pp. 411–415.
- Graham, S. (2003) 'Lessons in uricide', *New Left Review* 19(January/February), pp. 63–78.
- Graham, S. (2004a) 'On war in the "weirdly pervious world": the geopolitics of infrastructural demodernisation', unpublished manuscript.

- Graham, S. (2004b) 'Vertical geopolitics: Baghdad and after', *Antipode* 36(1), pp. 12–19.
- Graham, S. (ed.) (2004c) *Cities, War and Terrorism: Towards an Urban Geopolitics*. Oxford: Blackwell (forthcoming).
- Graham, S. (2004d) 'Constructing urbicide by bulldozer in the Occupied Territories', in S. Graham (ed.) *Cities, War and Terrorism: Towards an Urban Geopolitics*. Oxford: Blackwell (forthcoming).
- Graham, S. and Marvin, S. (2001) *Splintering Urbanism: Networked Infrastructure, Technological Mobilities and the Urban Condition*. London: Routledge.
- Gray, C. (1997) *Postmodern War: The New Politics of Conflict*. London: Routledge.
- Gregory, D. (2003) 'Defiled cities', *Singapore Journal of Tropical Geography* 24(3), pp. 307–326.
- Gregory, D. (2004a) 'Spaces of exception and the "war on terror"', paper available from the author at gregory@geog.ubc.ca.
- Gregory, D. (2004b) *The Colonial Present*. Oxford: Blackwell.
- Halevi, J. and Varoufakis, Y. (2003) 'The global minotaur', *Monthly Review*, July/August, pp. 57–75.
- Hall, R. (2003) 'A note on September eleventh: the Arabization of terrorism', *The Social Science Journal* 40, pp. 459–464.
- Hardt, M. and Negri, A. (2000) *Empire*. Cambridge, MA: Harvard University Press.
- Hart, J. (2003) 'Untitled', *Adbusters* 51, p. 16.
- Harvey, D. (2003a) *The New Imperialism*. Oxford: Oxford University Press.
- Harvey, D. (2003b) 'The city as a body politic', in J. Schneider and I. Susser (eds) *Wounded Cities: Destruction and Reconstruction in a Globalized World*, pp. 25–46. London: Berg.
- Hewitt, K. (1983) 'Place annihilation: area bombing and the fate of urban places', *Annals of the Association of American Geographers* 73(2), pp. 257–284.
- Hewitt, K. (1987) 'The social space of terror: towards a civil interpretation of total war', *Environment and Planning D: Society and Space* 5, pp. 445–474.
- Howell, S. and Shryock, A. (2003) 'Cracking down on diaspora: Arab Detroit and America's "War on Terror"', Project Muse, <http://muse.jhu.edu>.
- Hyndman, J. (2003) 'Beyond either/or: a feminist analysis of September 11th', *ACME: An International E-Journal for Critical Geographies*, www.acme-journal.org, accessed October 2003.
- Ignatieff, M. (2003) *Empire Lite*. New York: Minerva.
- Joseph, A. and Sharma, K. (2003) *Terror and Counter-terror: Women Speak Out*. London: Zed.
- Joy, W. (2000) 'Why the future doesn't need us', *Wired*, April, pp. 238–260.
- Kaldor, M. (1999) *New and Old Wars: Organised Violence in a Global Era*. London: Cambridge University Press.
- Kaplan, A. (2003) 'Homeland insecurities: reflections on language and space', *Radical History Review* 85, pp. 82–93.
- Kirsch, S. (2003) 'Empire and the Bush doctrine', *Environment and Planning D: Society and Space* 21, pp. 1–6.
- Klare, M. (2001) 'The geopolitics of war', *The Nation*, 5 November, p. 4.
- Klein, N. (2003) 'Iraq is not America's to sell', *The Guardian*, 7 November, p. 27.
- Kleveman, L. (2003) 'The new Great Game', *The Guardian*, 20 October, p. 17.
- Kostof, S. (1992) *The City Assembled: The Elements of Urban Form Through History*. London: Thames and Hudson.
- Lang, P. (ed.) (1995) *Mortal City*. New York: Princeton Architectural Press.
- LeBillon, P. (2001) 'The political ecology of war: natural resources and armed conflicts', *Political Geography* 20, pp. 561–584.
- Le Corbusier (1933) *Aircraft*. Milan: Abitare Segesta.
- Le Corbusier (1935) *La Ville Radieuse, Elements d'une Doctrine d'Urbanisme pour l'Equipped de la Civilisation Machiniste*. Boulogne: Editions de l'Architecture d'Aujourd'hui.
- Leslie, J. (1999) 'Powerless', *Wired*, April, pp. 119–183.
- Light, J. (2002) 'Urban security: from warfare to welfare', *International Journal of Urban and Regional Research* 26(3), pp. 584–561.
- Light, J. (2003) *From Warfare to Welfare: Defense Intellectuals and Urban Problems in Cold War America*. Baltimore, MD: Johns Hopkins University Press.
- Luke, T. (2004) 'Everyday techniques as extraordinary threats: urban technostructures and nonplaces in terrorist actions', in S. Graham (ed.) *Cities, War and Terrorism: Towards an Urban Geopolitics*. Oxford: Blackwell (forthcoming).
- Macauley, R. (1964) *The Pleasure of Ruins*. London: Thames and Hudson.
- Maher, K. (2002) 'Back with a bang', *The Observer*, 30 June, www.guardian.co.uk, accessed September 2003.
- Maldonado-Torres, N. (2004) 'The topology of being and the geopolitics of knowledge: modernity, empire, coloniality', *City* 8(1), pp. 000–000.
- Markou, E. (2002) 'Militariers et urbanistes durant les années trente', *Les Annales de la Recherche Urbaine* 91, pp. 18–27.
- McCambley, N. (1998) *Secret Underground Cities*. Barnsley: Leo Cooper.
- McEnaney, L. (2000) *Civil Defense Begins at Home: Militarization Meets Everyday Life in the Fifties*. Princeton, NJ: Princeton University Press.

- Mendieta, E. (2001) 'The space of terror, the utopian city: on the attack on the World Trade Center', *City* 5(3), pp. 397–406.
- Mendieta, E. (2004) 'Imperial geographies and topographies of nihilism: theatres of war and dead cities', *City* 8(1), pp. 000–000.
- Misselwitz, P. and Weizman, E. (2003) 'Military operations as urban planning', in A. Franke (ed.) *Territories*, pp. 272–275. Berlin: KW Institute for Contemporary Art.
- Molotch, H. and McClain, N. (2003) 'Dealing with urban terror: heritages of control, varieties of intervention, strategies of research', *International Journal of Urban and Regional Research* 27(3), pp. 679–698.
- Monbiot, G. (2003) 'Bottom of the barrel', *The Guardian*, 2 December, p. 25.
- Mumford, L. (1959) 'The morals of extermination', *Atlantic* 204, pp. 38–47.
- Mumford, L. (1961) *The City in History: Its Origins, Its Transformations, and Its Prospects*. New York: Harcourt, Brace & World.
- Muschamp, H. (1995) 'Things generally wrong in the universe', in P. Lang (ed.) *Mortal City*, pp. 102–107. New York: Princeton Architectural Press.
- Newman, R. (2003) 'The joystick war', *U.S. News*, 19 May, www.usnews.com, accessed June 2003.
- Olalquiaga, C. (1995) 'Paradise lost', in S. Allen (ed.) *Sites and Stations: Provisional Utopias*, pp. 43–50. New York: Lusitania.
- Ó Tuathail, G. (1999) *Critical Geopolitics*. Minneapolis: University of Minnesota Press.
- Passavant, P. and Dean, J. (2002) 'Representation and the event', *Theory and Event* 5(4), http://muse.jhu.edu/journals/theory_and_event/vol5/5.4passavant.html.
- Patel, S., D'Cruz, C. and Burra, S. (2002) 'Beyond evictions in a global city: people-managed resettlement in Mumbai', *Environment and Urbanization* 14(1), pp. 159–172.
- Peters, R. (1996) 'Our soldiers, their cities', *Parameters*, Spring, pp. 1–7.
- Peters, R. (1997) 'The future of armored warfare', *Parameters*, Autumn, pp. 1–9.
- Picon, A. (ed.) (1996) *La Ville et La Guerre*. Paris: L'Imprimeur.
- Pieterse, J. (2002) 'Globalisation, kitsch and conflict: technologies of work, war and politics', *Review of International Political Economy* 9(1), pp. 1–36.
- Porteous, J. and Smith, S. (2001) *Domicide: The Global Destruction of Home*. Montreal and Kingston: McGill-Queen's University Press.
- Prodanovic, M. (2002) 'Urbicide and the chances for reconstruction of Balkan cities', in J. Ockman (ed.) *Out of Ground Zero: Case Studies in Urban Reinvention*, pp. 138–149. Berlin: Prestel Verlag.
- Rampton, S. and Stauber, J. (2003) *Weapons of Mass Deception: The Uses of Propaganda in Bush's War on Iraq*. London: Robinson.
- Rizer, K. (2001) 'Bombing dual-use targets: legal, ethical, and doctrinal perspectives', *Air and Space Power Chronicle*, www.airpower.maxwell.af.mil/airchronicles/cc/Rzr/html, accessed January 2004.
- Rosenau, W. (1997) 'Every room is a new battle: the lessons of modern urban warfare', *Studies in Conflict and Terrorism* 20(4), pp. 371–394.
- Rössler, M. (1989) 'Applied geography and area research in Nazi society: central place theory and planning, 1933–1945', *Environment and Planning D: Society and Space* 7, pp. 419–431.
- Safier, M. (2001) 'Confronting "urbicide": crimes against humanity, civility and diversity and the case for a civic-cosmopolitan response to the attack on New York', *City* 5(3), pp. 416–429.
- Said, E. (1993) *Orientalism*. London: Penguin.
- Sandercock, L. (ed.) (1998) *Making the Invisible Visible: A Multicultural Planning History*. Berkeley, University of California Press.
- Sandercock, L. (2003) *Cosmopolis II: Mongrel Cities in the 21st Century*. London: Athlone.
- Sassen, S. (1999) *Guests and Aliens*. New York: New Press.
- Sassen, S. (2002) 'Governance hotspots: challenges we must confront in the post September 11th world', in K. Booth and T. Dunne (eds) *Worlds in Collision: Terror and the Future of Global Order*, pp. 313–324. London: Macmillan Palgrave.
- Schneider, J. and Susser, I. (eds) (2003) *Wounded Cities: Destruction and Reconstruction in a Globalized World*. London: Berg.
- Sebald, W.G. (2003) *On the Natural History of Destruction*. London: Hamish Hamilton.
- Shane, D. (1995) 'Balkanization and the postmodern city', in P. Lang (ed.) *Mortal City*, pp. 54–69. New York: Princeton Architectural Press.
- Shaw, M. (2001) 'New wars of the city', mimeo.
- Shaw, M. (2003) *War and Genocide*. Cambridge: Polity.
- Sontag, S. (1966) 'The imagination of disaster', in S. Sontag (ed.) *Against Interpretation*, pp. 203–218. New York: Dell.
- Sontag, S. (2003) 'The telling shot', *The Guardian Review*, 1 February, pp. 4–8.
- Spiller, R. (2000) *Sharp Corners: Urban Operations at Century's End*. Fort Leavensworth, KA: Staff College Press.
- Sponster, C. (1992) 'Beyond the ruins: the geopolitics of urban decay and cybernetic play', *Science Fiction Studies* 20(2), pp. 2251–2265.
- Thompson, E. (1982) 'Notes on exterminism: the last stage of civilization', in *New Left Review* (ed.) *Exterminism and Cold War*. London: Verso. pp. 1–34
- Thussu, D. and Freedman, D. (eds) (2003) *War and the Media*. London: Sage.

- Tiratsoo, N., Hasegawa, J., Mason, T. and Matsumura, T. (eds) (2002) *Urban Reconstruction in Britain and Japan, 1945–1955: Dreams, Plans and Realities*. Luton: University of Luton Press.
- Tisdall, S. (2003) 'Resist the official pol-speak of Bush's "war on terror"', *The Guardian*, 4 November, p. 24.
- Tuastad, D. (2003) 'Neo-Orientalism and the new barbarism thesis: aspects of symbolic violence in the Middle East conflict(s)', *Third World Quarterly* 24(4), pp. 591–588.
- United States Strategic Bombing Survey (1947a) *Effects of Incendiary Bomb Attacks on Japan: A Report on Eight Cities*. Washington, DC: US Air Force.
- United States Strategic Bombing Survey (1947b) *Fire Against Japan*. Washington, DC: US Air Force.
- Vanderbilt, T. (2002) *Survival City: Adventures Among the Ruins of Atomic America*. Princeton, NJ: Princeton University Press.
- Vergara, C. (1997) *The New American Ghetto*. New Brunswick, NJ: Rutgers University Press.
- Vergara, C. (1999) *American Ruins*. New York: Monacelli.
- Vidal, J. (2003) 'Forced to slum it', *The Guardian*, 10 October, p. 27.
- Vidler, A. (2001) 'Photourbanism: planning the city from above and below', in G. Bridge and S. Watson (eds) *A Companion to the City*, pp. 35–45. Oxford: Blackwell.
- Virilio, P. (1986) *Bunker Archeology*. New York: Princeton Architectural Press.
- Virilio, P. (1987) 'The overexposed city', *Zone* 1(2), pp. 3–24.
- Virilio, P. (2002) *Desert Screen: War at the Speed of Light*. London: Continuum.
- Watson, T. (2003) 'Introduction: critical infrastructures after 9/11', *Postcolonial Studies* 6(1), pp. 109–111.
- Weber, M. (1958) *The City*. Glencoe, IL: Free Press.
- Weizman, E. (2004) 'Strategic points, flexible lines, tense surfaces and political volumes: Ariel Sharon and the geometry of occupation', in S. Graham (ed.) *Cities, War and Terrorism: Towards an Urban Geopolitics*. Oxford: Blackwell (forthcoming).
- Wells, H.G. (1908) *War in the Air*. London: Penguin.
- Willis, S. (2003) 'Empire's shadow', *New Left Review*, July/August, pp. 59–70.
- Woodward, C. (2001) *In Ruins*. London: Chatto and Windus.
- Zarleno, K. (1999) 'Civilian threat, the suburban citadel, and atomic age American women', *Signs: Journal of Women in Culture and Society* 24(4), pp. 925–958.
- Zizek, S. (2003) *Welcome to the Desert of the Real!* London: Verso.
- Zulaika, J. (2003) 'The self-fulfilling prophecies of counterterrorism', *Radical History Review*, 85, pp. 191–199.

Stephen Graham is based in the Geography Department at the University of Durham, UK. E-mail: s.d.n.graham@durham.ac.uk.

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