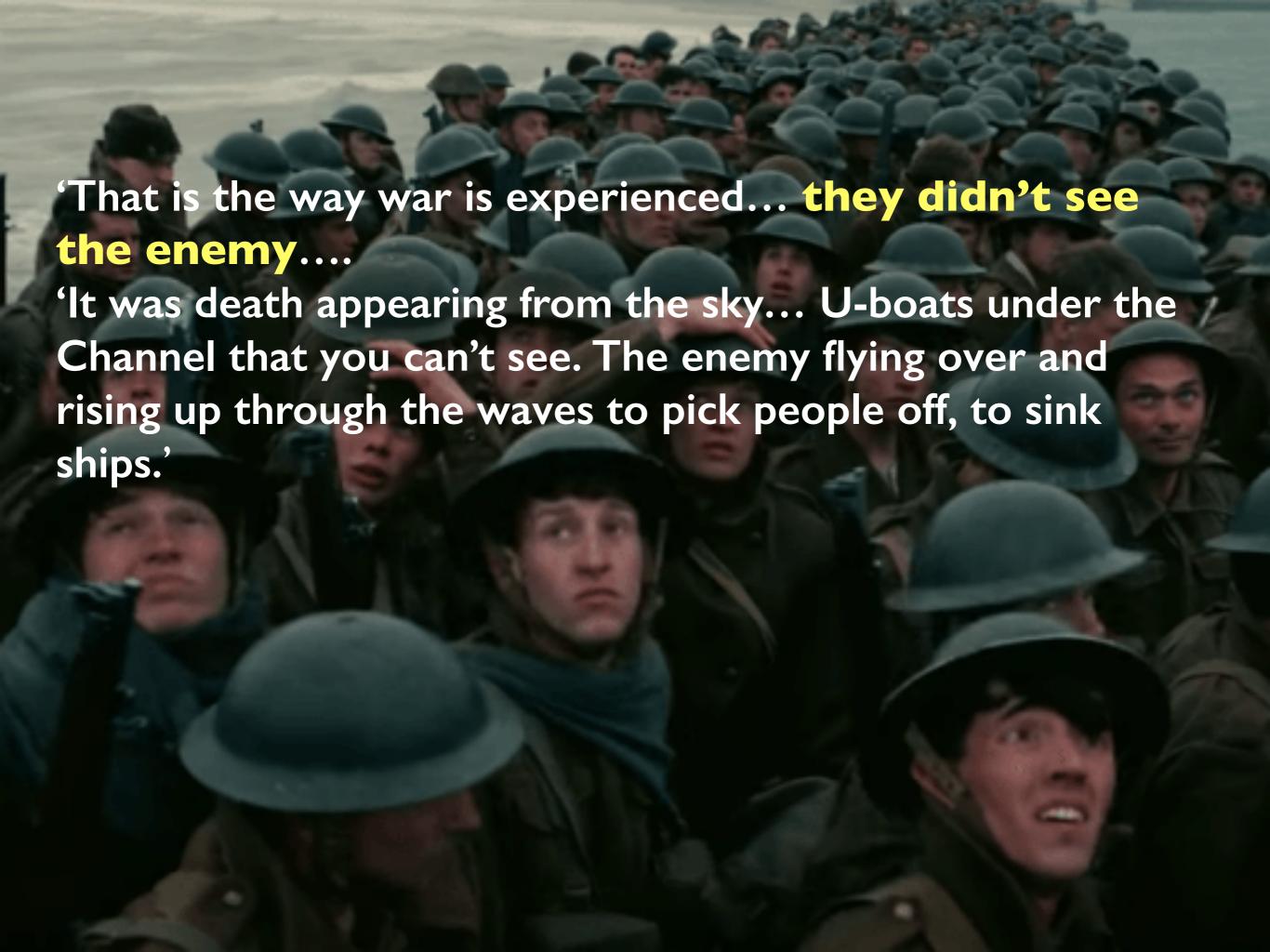




I: Eyes on the Target





What happens when the attackers are thousands of feet up or thousands of miles away and cannot directly see their targets?

Visual and sensing technologies provide new, disembodied ways of 'seeing'...

But what happens when, by virtue of those same technologies, the body reappears in the cross-hairs?

Surely, common sense tells us that persons wage war, not the instruments they deploy. But what happens if the instruments acquire their own agency, such that persons become extensions of those instruments?... persons use technological instruments, but instruments surely also use persons (position them, endow them with perspective, and establish the trajectory of their action).



FRAMES OF WAR

When Is Life Grievable?

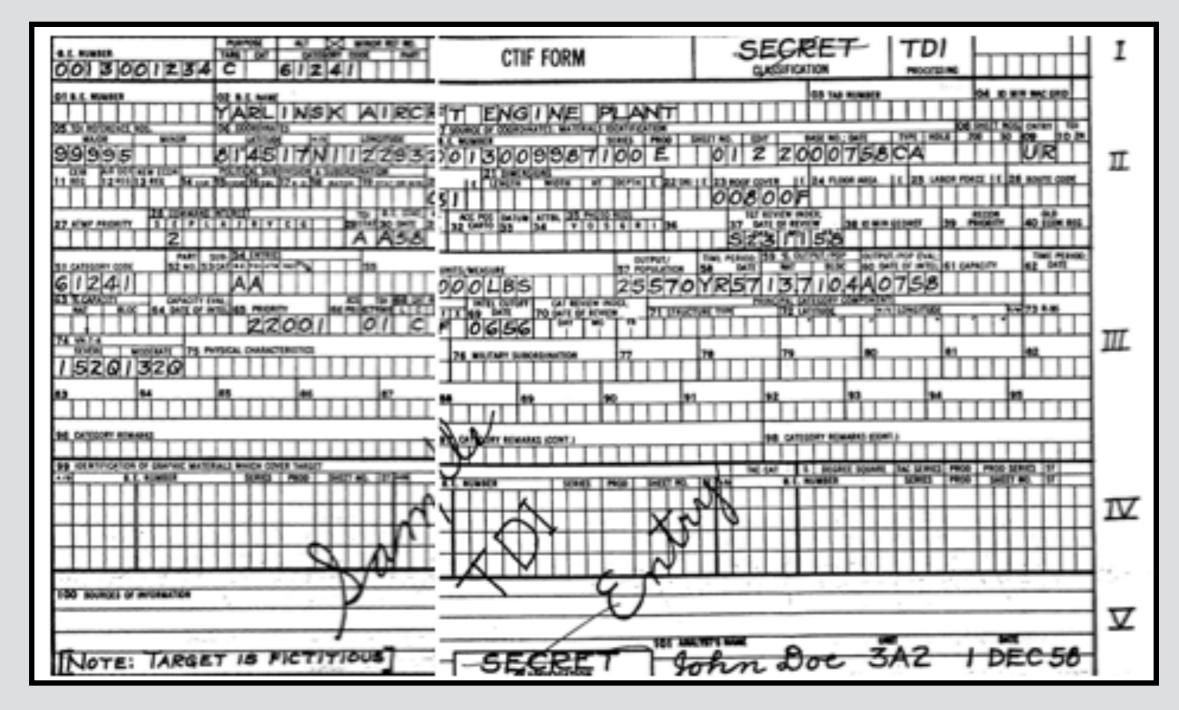
JUDITH BUTLER

I: The production of the target

We do not inhabit a world of targets: targets must be produced.

This involves the visual production of a space within which destruction and death are sanctioned and within which particular identities ('civilian', 'military', 'dual-use', 'enemy') are conferred on the objects and the people within it.

The Bombing Encyclopaedia of the World



Compilation started in January 1946; by the summer almost 6,000 potential targets in the Soviet Union had been entered on punch-cards. By the early 1950s the Encyclopedia had become global: the 1952 edition listed around 10,000 targets in the Soviet Union but now covering 'virtually all of Europe, Africa and the Middle East, and most of Asia'. By 1960 more than 80,000 potential targets had been identified worldwide: *Lynn Eden, Whole world on fire*.

Target Folder Main Data Page

General	Rmks -00110/DD001 - M	Colloc Di	MPIs Equip	Unit	New Equipme		ternal Hist	ory Legal
	✓ 🚫 Folder is P			on 04 Nov	02.)			
Identificati	tion				Location			
BE #	0992-00110	OSuffix:	DD001		Country:	COMOROS		•
Name:	MOFFETT AFLD				Latitude:	37-05-20.000N	Longitude:	122-03-39.000VV
MRL:		MTF:			DDMM.MMM:	3705.3333N		12203.6500W
Primary Funct:				~	MGRS:			
Target Set:	Joint Target List?							
CatCode:	80051 -							
Secondary CatCodes:	THERE ARE NO ADDITIONAL CATCODES FOR THIS FACILITY							
Significance								
Recce No:					Location:			
Validation	Information							
	м	lain Data: 🗆	ваі: 🗆		ATI:	тон: 🗆		
Status					Map & Dig	ital Imagery Refe	rence Data	
CD Rating:				~	DPPDB Cell:		1-500 (TPC):	
Strike:	OPEN			~	RGB:		1-250 (JOG):	
Phys Status:	RDY			~	OSP:		1-50 (TOPO):	
Funct Status:	OPR			~	BTG:		MAP GEN:	
Classific <u>a</u> t	ion of Main Da	ata			Overall Ta	rget Folder Class	ification	
	UNCLASSIFIED			-		UNCLASSIFIED		
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II: Asymmetric vision

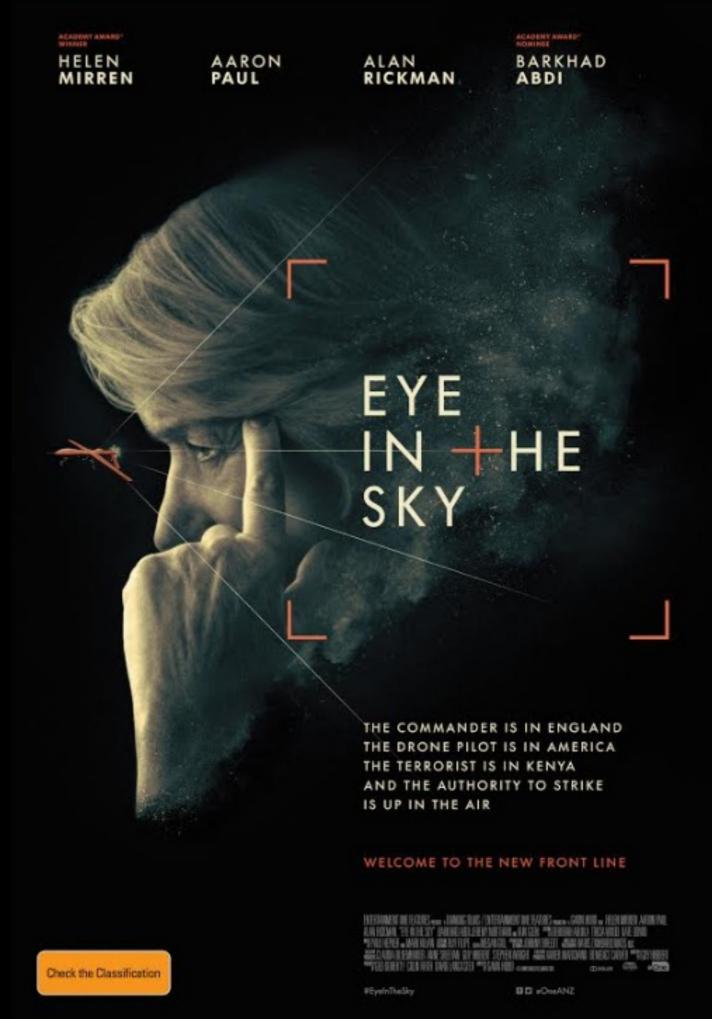
Outside face-to-face combat, the visual fields of the attacker and the attacked are radically different.

And each may have differential capacities to detect the enemy (e.g. searchlights; radar) while concealing their own traces (camouflage; blackouts; mobility) and ultimately even eliminating them altogether ('stealth' technologies)

The illusion of reciprocity "...the face of your enemy was staring back at you in high-definition.' Major Mark McCurley, USAF 'Drone Queen', Homeland/Fox 21 Television Studios 5 October 2014

III: Networks in the kill-chain

The locations of those involved in the execution of an airstrike extend far beyond the killing space.





CAP Requirements: Single 24/7/365 MQ-1/9



Authorization to Use Military Force (AUMF) Operations

- (S/NF) Step 1 "Developing a target" to "Authorization of a target"
 - TF 48-4 direct action operations are conducted under execution orders for Operation Copper Dune (AP/Yemen) and Operation Jupiter Garret (EA/Somalia)
 - These orders specify delegated authorities, authorized targets and criteria for action
 - TF intelligence personnel, with support from IC partners, builds the case for action
 - This information, in a condensed format known as a "baseball card (BBC)", is packaged with the operations information into a "CONOPS" package and staffed up to higher echelons—ultimately to the President

If proven that the target presents a threat to U.S. interest or personnel, then a 60-day authorization to action is given

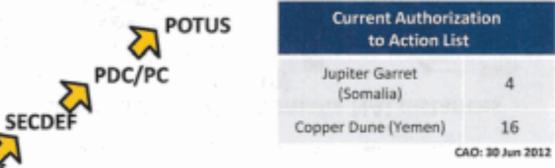
Target Information

Folder

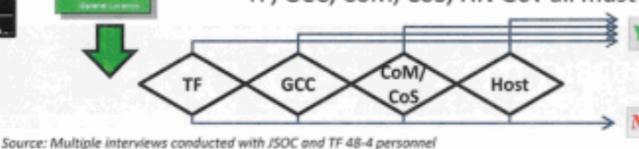
Actionable Intelligence

TF Team

SIGINT



- (S/NF) Step 2 "Authorizing" to "Actioning"
- If POTUS approves the CONOP, operations enter a targeting cycle
- Actionable intelligence provides potential targeting windows
- The targeting window suitability is determined by ROE:
 - must be Low CDE, "near certainty" of HVI presence based on two forms of intelligence, no contradictory intelligence
- TF, GCC, CoM, CoS, HN Gov all must concur or no strike occurs



One disagrees =



SECRET//NOFORN

HUMINT

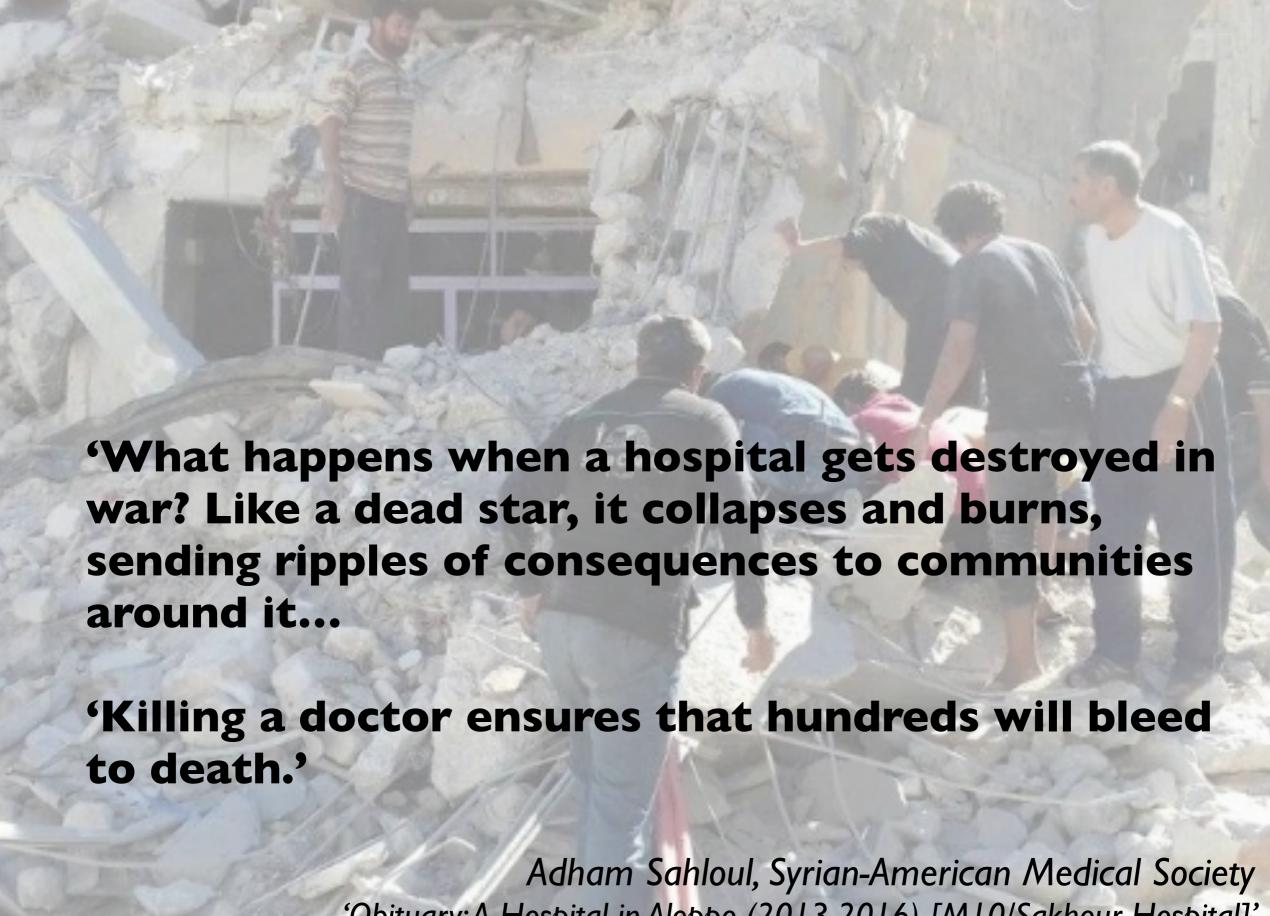
HD FMV

IV: Shockwaves

The cascade of effects usually extends beyond the time and space of the target

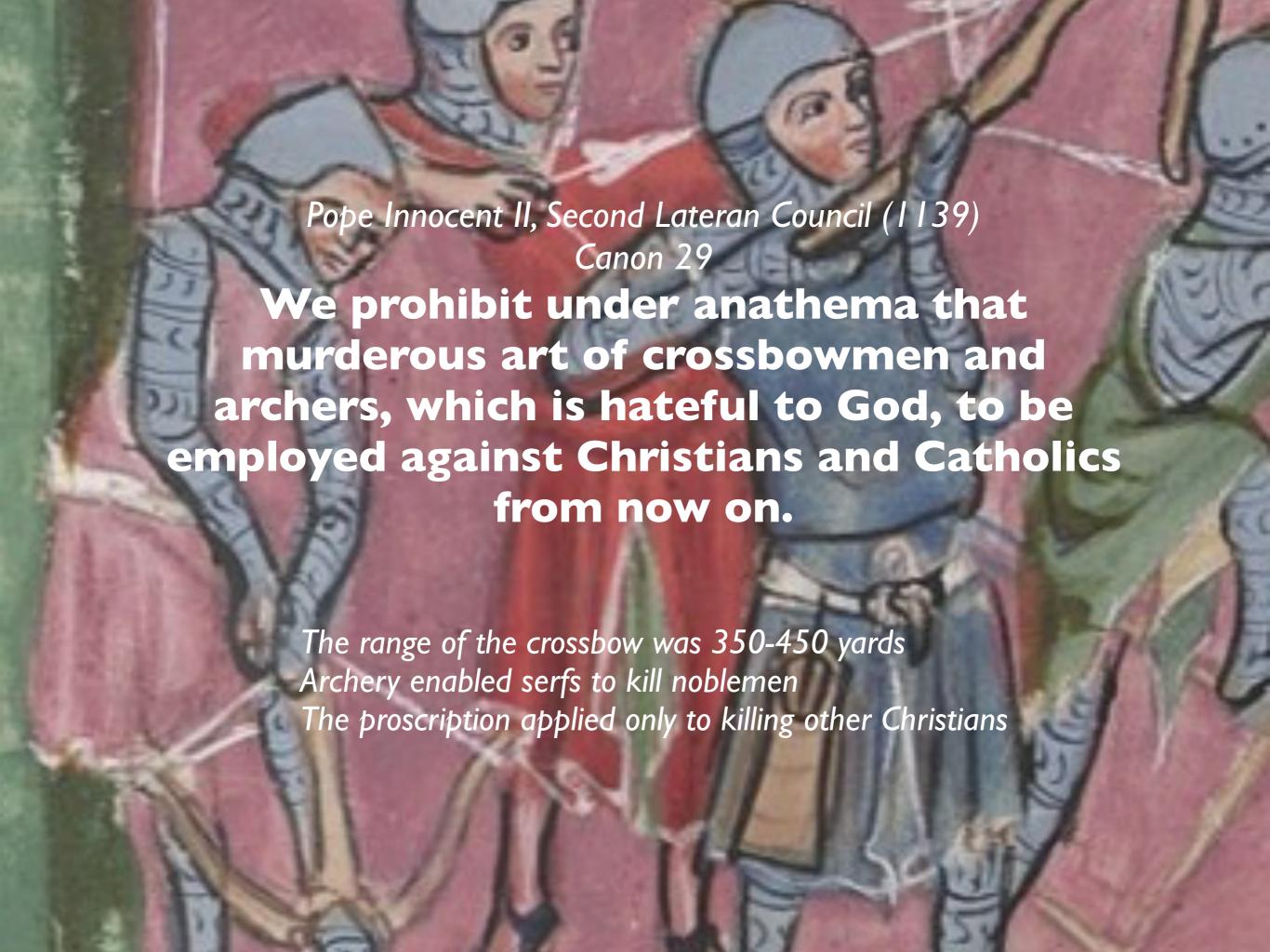
"... every target is inscribed in a network or chain of events that inevitably exceeds the opportunity that can be seized or the horizon that can be seen..."

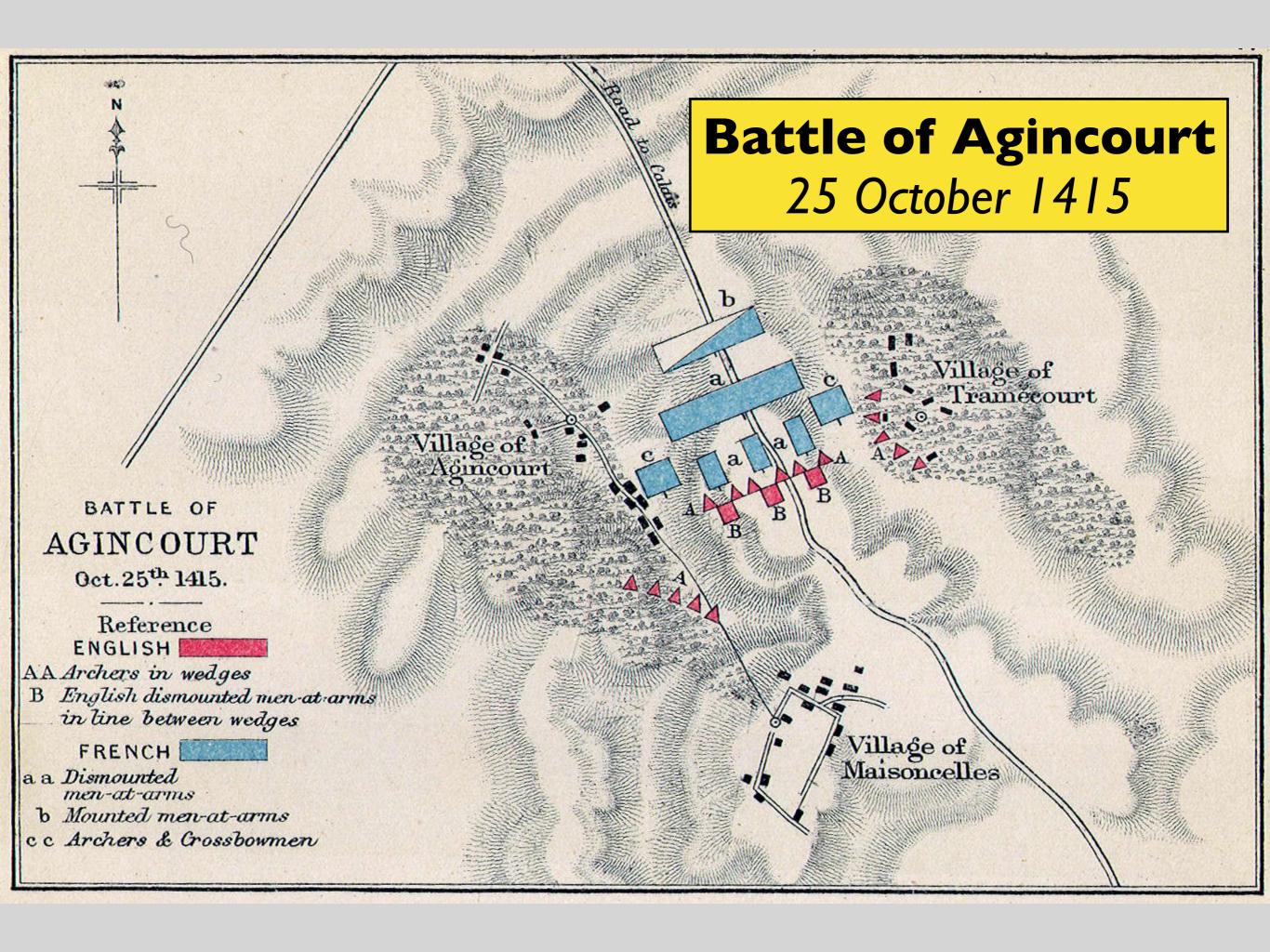
Samuel Weber, Targets of opportunity: on the militarization of thinking (2005)

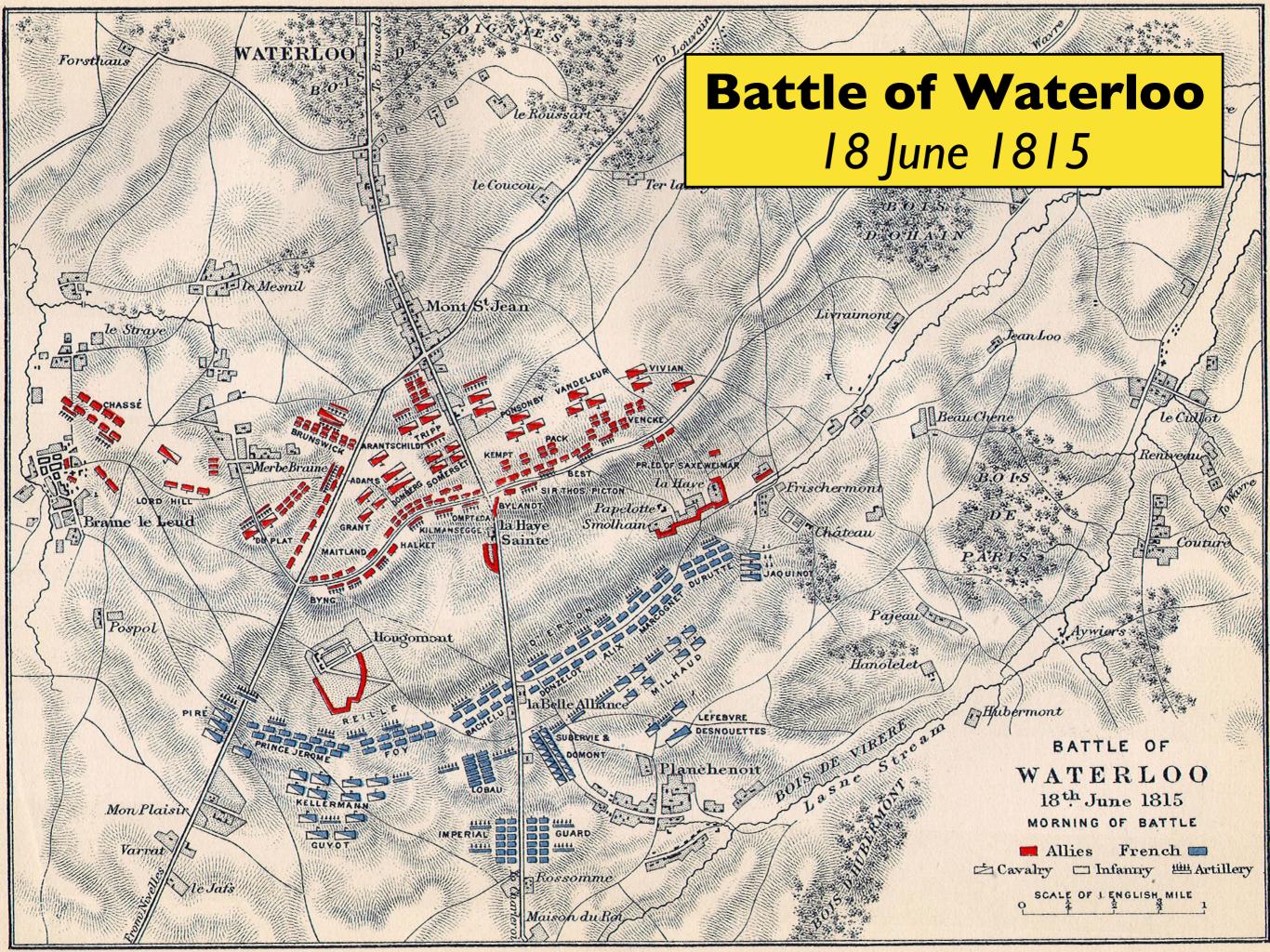


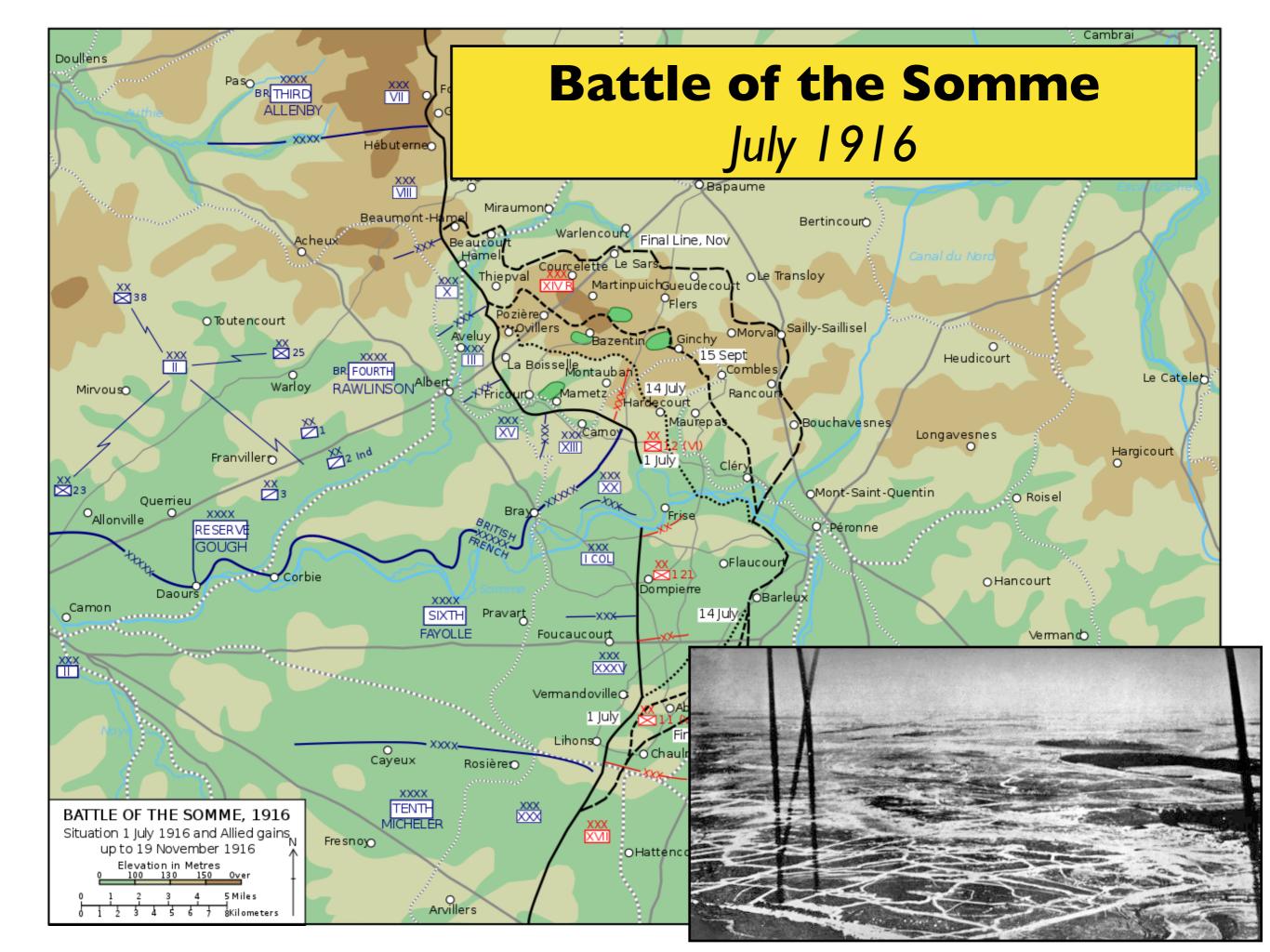
'Obituary: A Hospital in Aleppo (2013-2016) [M10/Sakhour Hospital]' Time, 14 December 2016













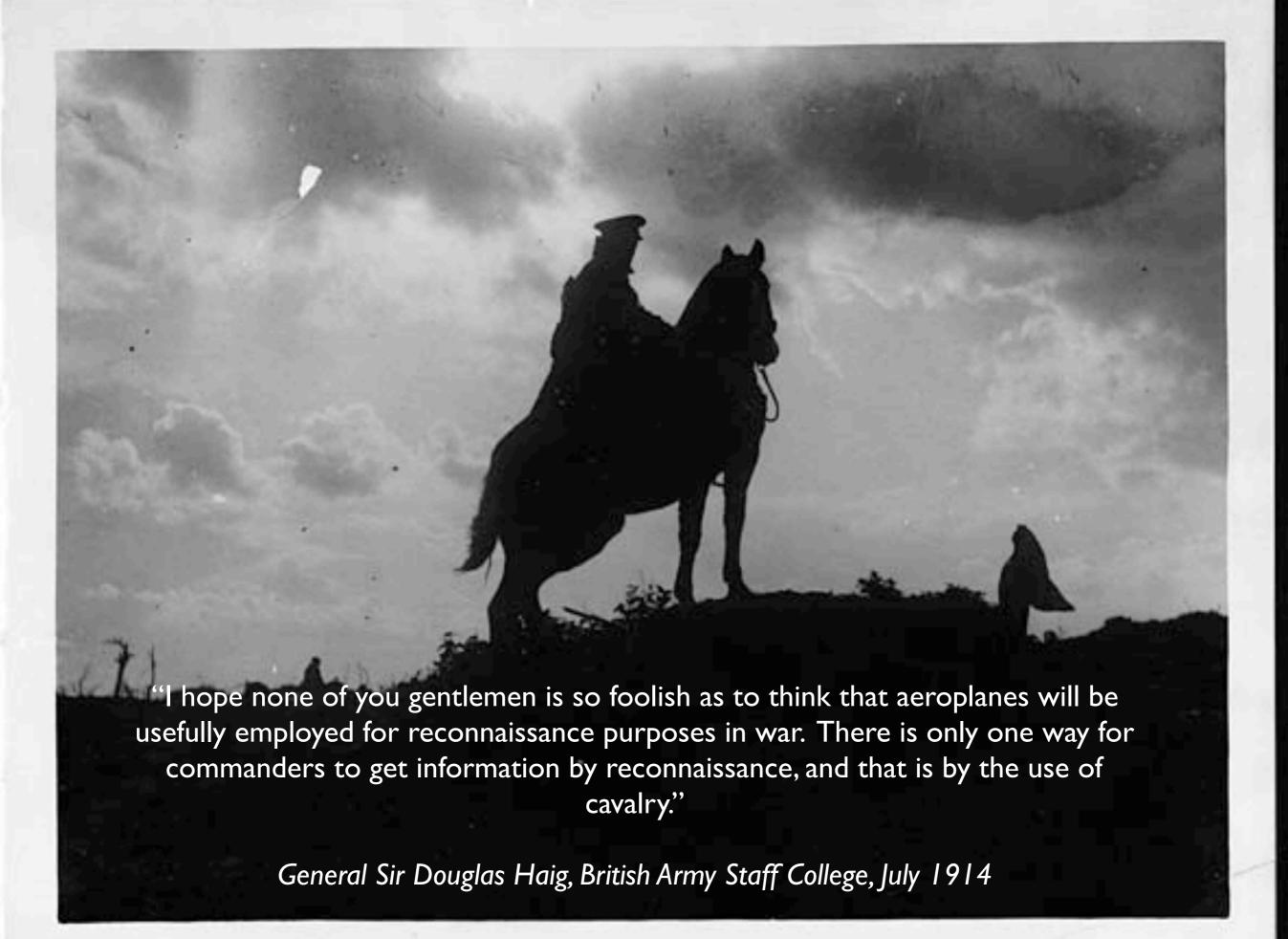
'The contraction of distance that was effected before the war by means of telephones, the wireless, automobiles and airplanes (in addition to the telegraph and the railroad) transformed fighting during the war and the experience of distance in it. New weapons made it possible to increase the space between enemy soldiers, while electronic communications could extend the distance between sectors of coordinated operations and between commanding officers and their men. In several respects World War I was conducted at unprecedented long range.'

Stephen Kern, The culture of time and space, 1880-1918 (Cambridge MA: Harvard University Press, 1983)

'The Great War may be regarded as the opening of a radically different era. It was then for the first time in history that very long-range weapons were used on a massive scale. With artillery guided by radiotelegraphy, and weapons operated from previously unheard-of places (in the air and under the sea), targets were increasingly disappearing from the field of view of the fighter who was deploying them....

'The technological tools of distance warfare were developed in a conflict distinguished by extreme proximity between the belligerents.'

Éric Germain, 'Out of sight, out of reach: moral issues in the globalization of the battlefield', International Review of the Red Cross 97 (2015) 1065-1097







'Today two boxes full of bombs arrived. We are expected to throw them from our planes... It is very strange that none of us have been told about this, and that we haven't received any instruction from our superiors. So we are taking the bombs on board with the greatest precaution. It will be very interesting to try them on the Turks.'

'In the end we ended up giving little essential importance to such a rudimentary and miniature bombardment, compared to aerial observation, on which the Commanders placed such vital dependence.'

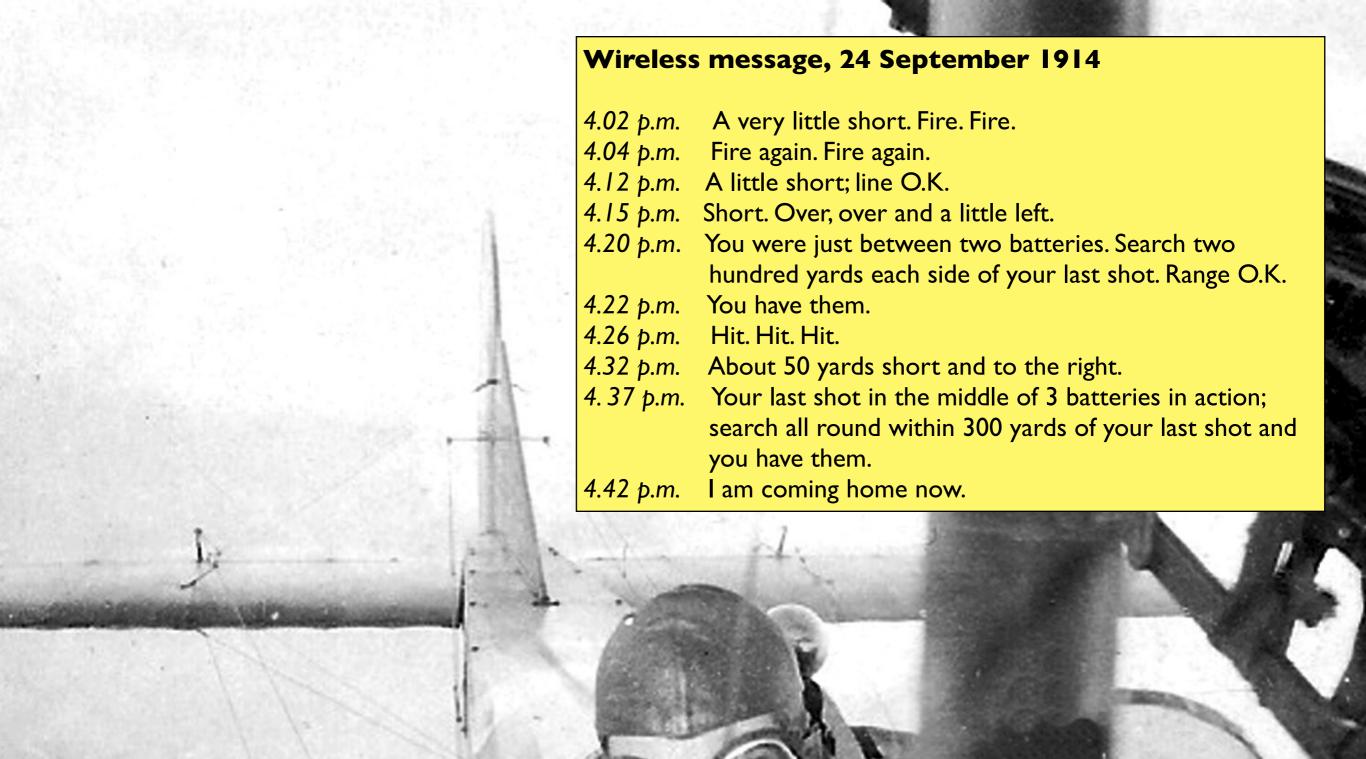
Captain Riccardo Moizo



'I have never considered bomb-dropping as the most important function of the airplane, and I have no reason to change this opinion now that we have entered the war... About all that has been accomplished by either side from bomb-dropping has been to kill a few non-combatants, and that will have no bearing on the result of the war.'

Orville Wright, New York Times, 1 July 1917





'A wireless aeroplane was as popular as an operasinger.'

Walter Raleigh, War in the air

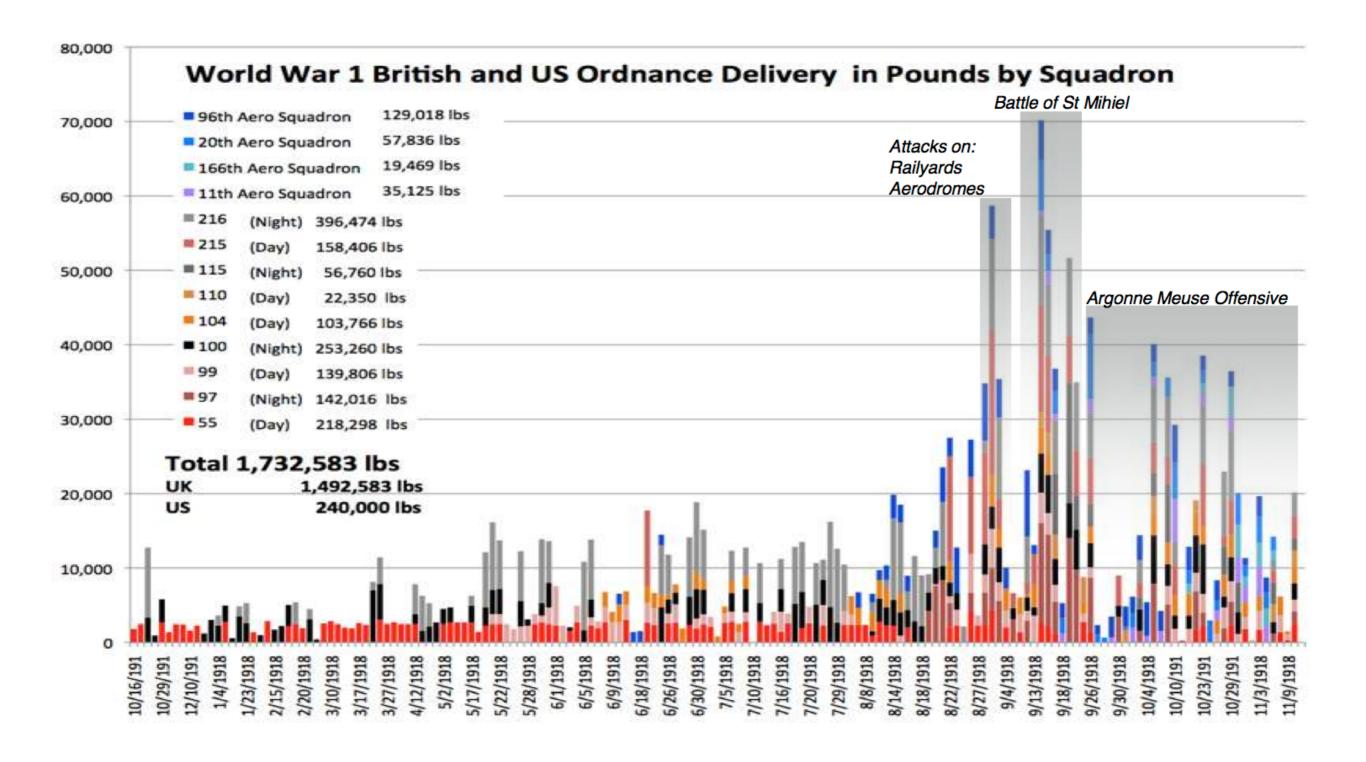


'The affair is not like shooting at anything. A polished missile is shoved into the gun. A horrid bang – the missile has disappeared, has simply gone. Where it has gone, what it has done, nobody in the hut seems to care. There is a telephone close by, but only numbers and formulae – and perhaps an occasional rebuke – come out of the telephone, in response to which the perspiring men make minute adjustments in the gun or in the next missile.

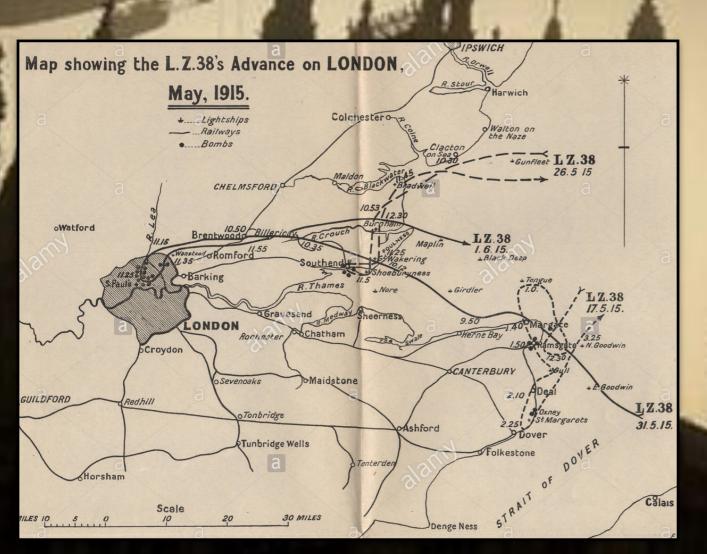
'Of the target I am absolutely ignorant, and so are the perspiring men.'

Arnold Bennett, Over there: war scenes on the Western Front (1915)





First Zeppelin raid on London 31 May 1915





'Twenty minutes later we were over London. There below us its great expanse lay spread. I knew it all so well. I had spent several months there five years before. There seemed to have been little effort to dim the city. There were the old familiar landmarks — St. Paul's, the Houses of Parliament, and Buckingham Palace, dreaming in the light of the moon which had now risen. I glanced at the clock. It was ten minutes to eleven. The quivering altimeter showed that our height was 10,000 feet. . . .

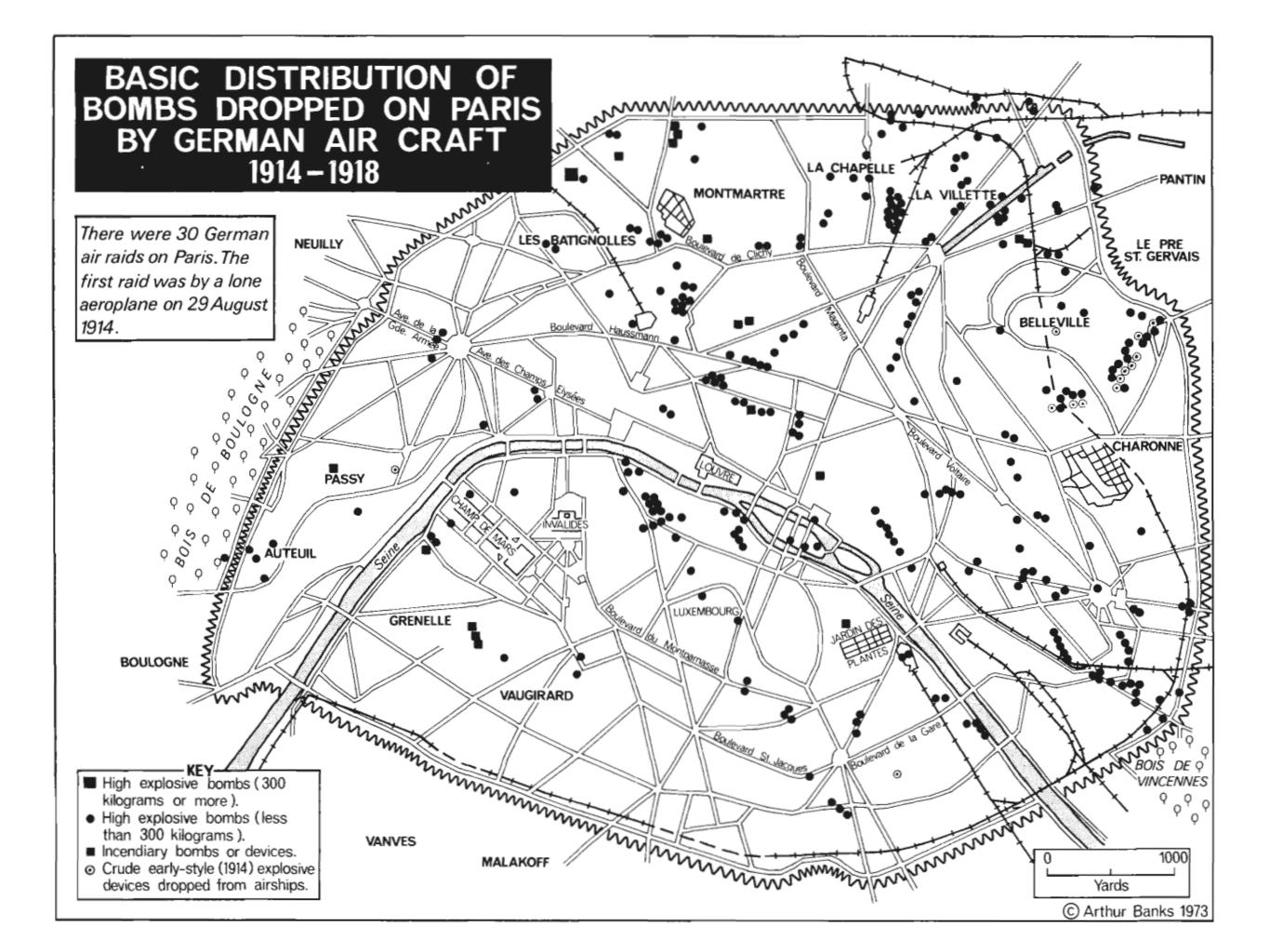
'There was tension as I leaned out of one of the gondola portholes and surveyed the lacework of lighted streets and squares. An icy wind lashed my face. I mounted the bombing platform. My finger hovered on the button that electronically operated the bombing apparatus. Then I pressed it. We waited. Minutes seemed to pass before, above the humming song of the engines, there arose a shattering roar. Was it fancy that there also leaped from far below the faint cries of tortured souls? I pressed again. A cascade of orange sparks shot upwards, and a billow of incandescent smoke drifted slowly away to reveal a red gash of raging fire on the face of the wounded city. One by one, every thirty seconds, the bombs moaned and burst.'

Major Erich Linarz, commander LZ.38 [31 May 1915: London's first Zeppelin raid]

A deadly intimacy







'By virtue of this new weapon, the repercussions of war are no longer limited by the farthest artillery range of guns, but can be felt directly for hundreds and hundreds of miles... The battlefield will be limited only by the boundaries of the nations at war, and all of their citizens will become combatants, since all of them will be exposed to the aerial offensives of the enemy. There will be no distinction any longer between soldiers and civilians.'

Giulio Douhet Il domino dell'Aria (1921)



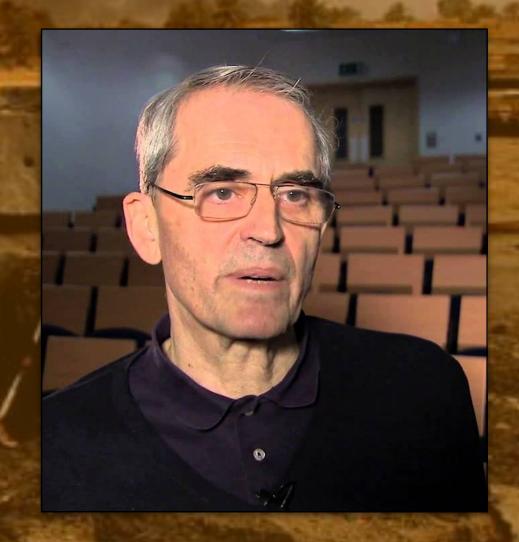


'Despite the laws of war's best efforts to maintain a certain idea of the battlefield as a constant, those whose aim it is to fundamentally alter the conditions of warfare have repeatedly assailed the notion. **The deconstruction of the battlefield is, in fact, well under way**.'

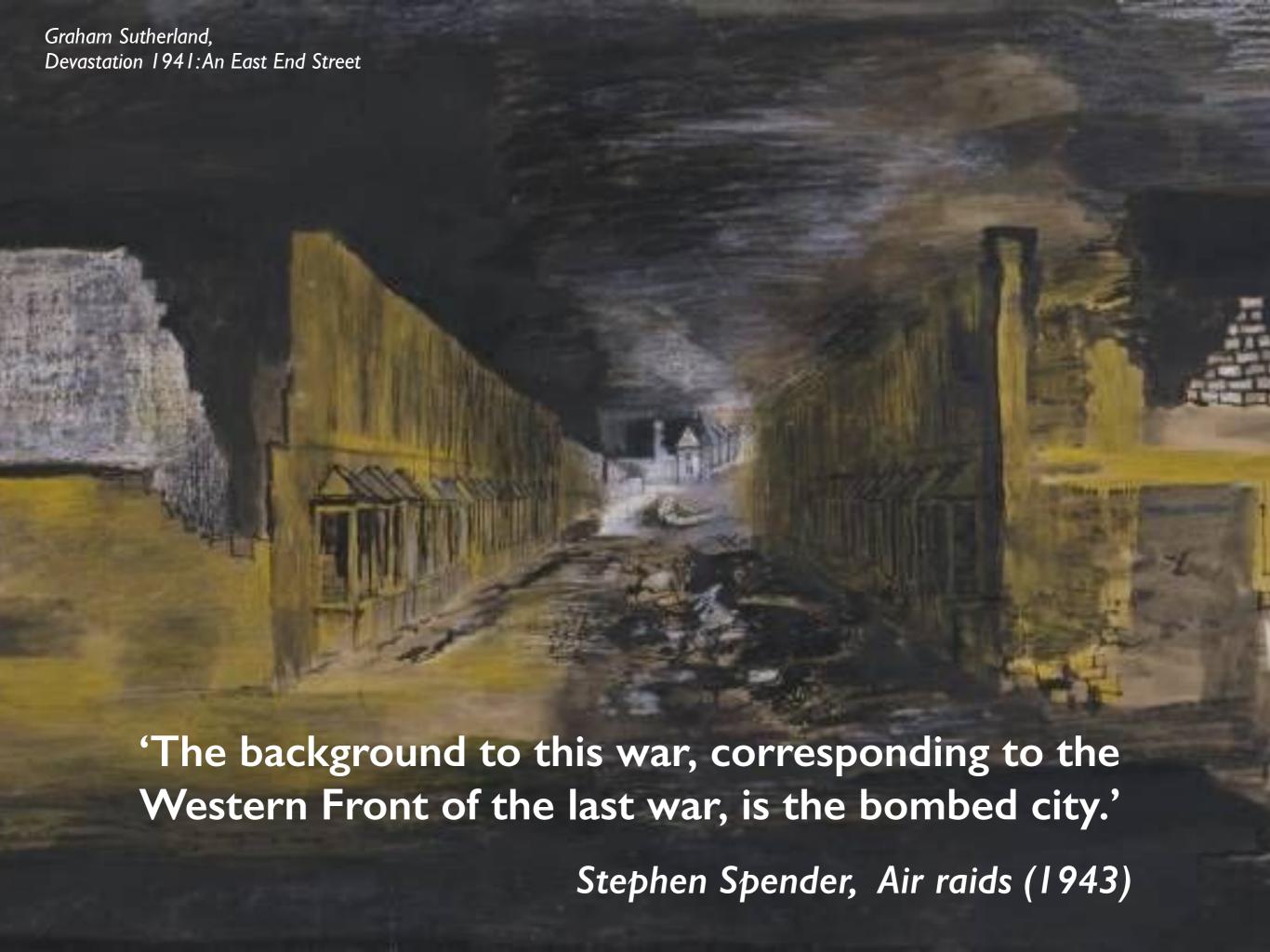
Frédéric Mégret

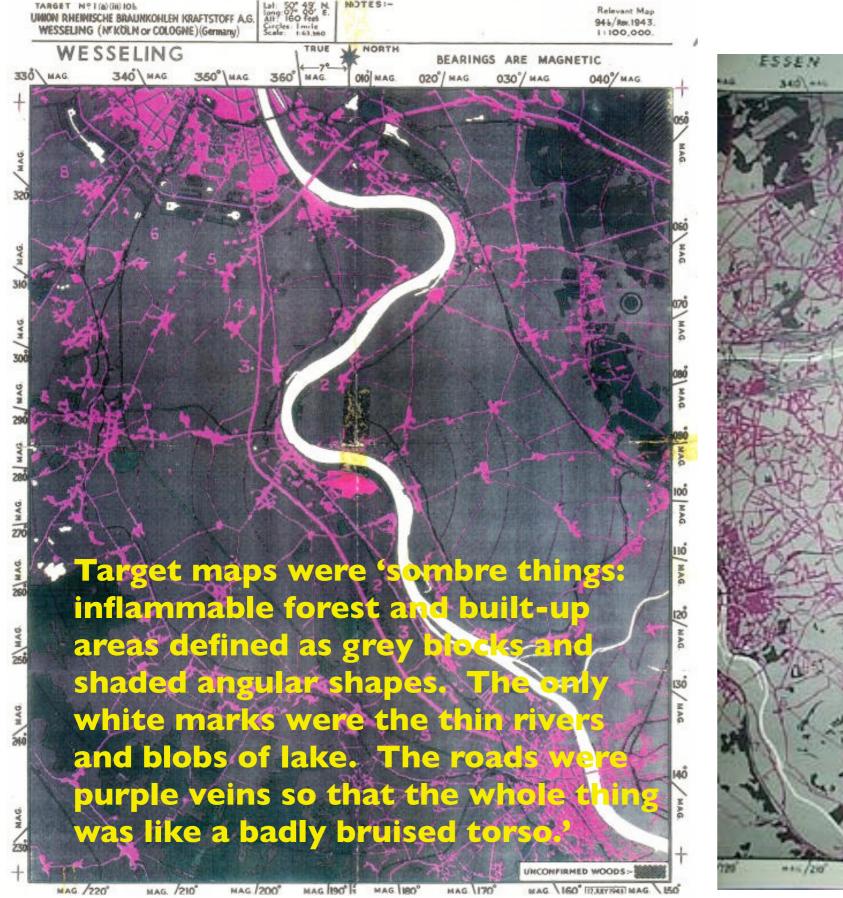
'In modern and late-modern war .. the idea of the battlefield been transformed into one of complex, multiple, overlapping spaces of violence.'

Martin Shaw











'It's one good thing about being in an aeroplane at war, you never touch the enemy. You never see the whites of their eyes. When we shot a Messerschmitt ME-109 down, it was shooting an article down, it wasn't shooting a person down... You drop a four-thousand-pound cookie and kill a thousand people but you never see one of them.'

Maurice Flower

I sometimes thought it was as well no picture came into his mind of shattered limbs, of burning clothing, of living bodies crushed by rubble. He only saw a coloured target-indicator, as he squinted through his bomb-sight and thumbed the release button.'

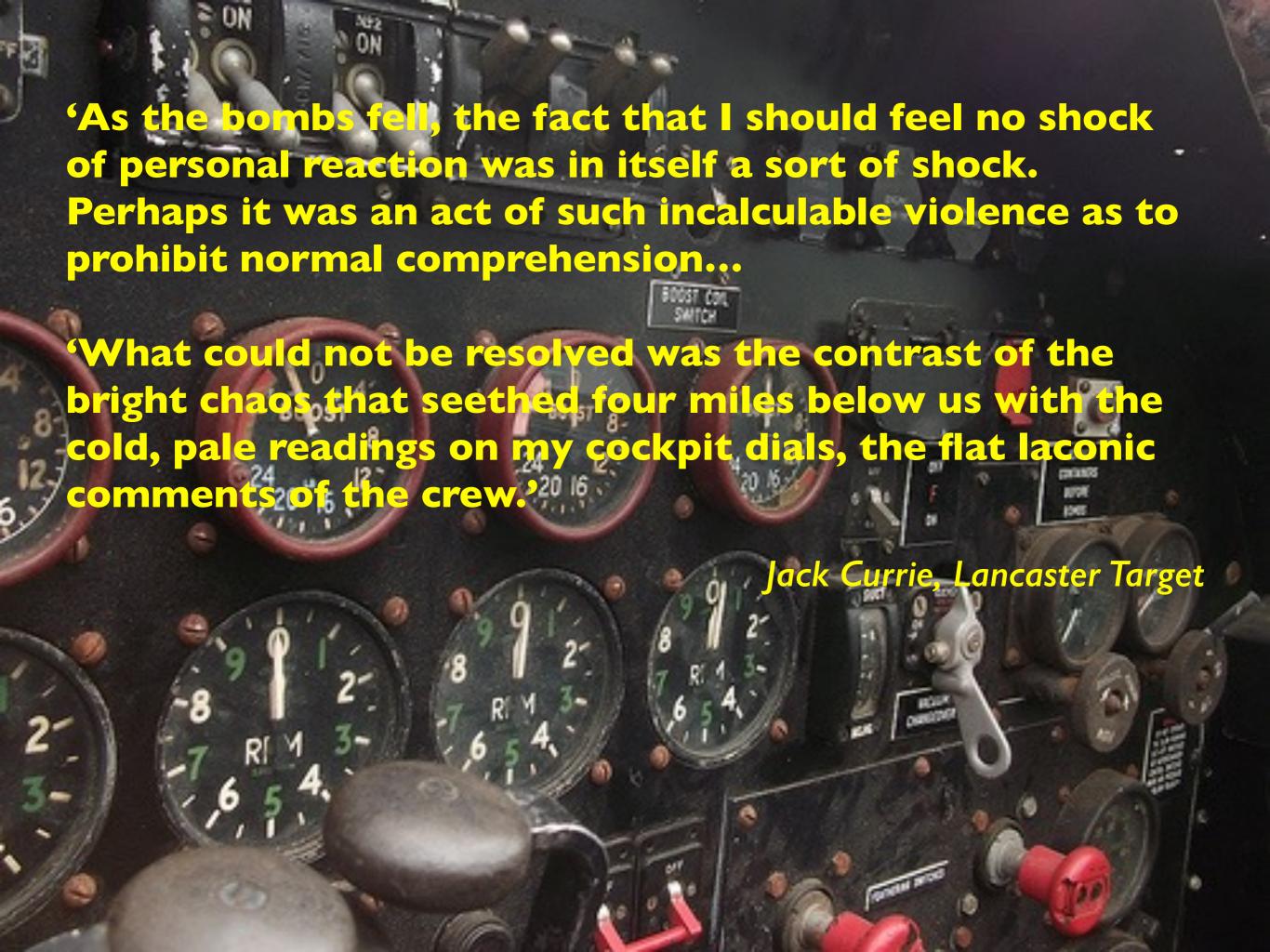
Jack Currie

'A German city was always this ... hellish picture of flame, gunfire and searchlights, an unreal picture because we could not hear it or feel its breath. Sometimes when the smoke rolled back and we saw streets and buildings I felt startled. Perhaps if we had seen the white, upturned faces of people, as over England we sometimes did, our hearts would have rebelled.'

Don Charlwood

'It was black, and then suddenly in the distance you saw lights on the floor, the fires burning. As you drew near, they looked like sparkling diamonds on a black satin background... [T]hey weren't people to me, just the target. It's the distance and the blindness which enabled you to do these things.'

Harold Nash



Charles Lindbergh

'You press a button and death flies down. One second the bomb is hanging harmlessly in your racks, completely under your control. The next it is hurtling through the air, and nothing in your power can revoke what you have done... How can there be writhing, mangled bodies? How can this air around you be filled with unseen projectiles? It is like listening to a radio account of a battle on the other side of the earth. It is too far away, too separated to hold reality.'

29 May 1944

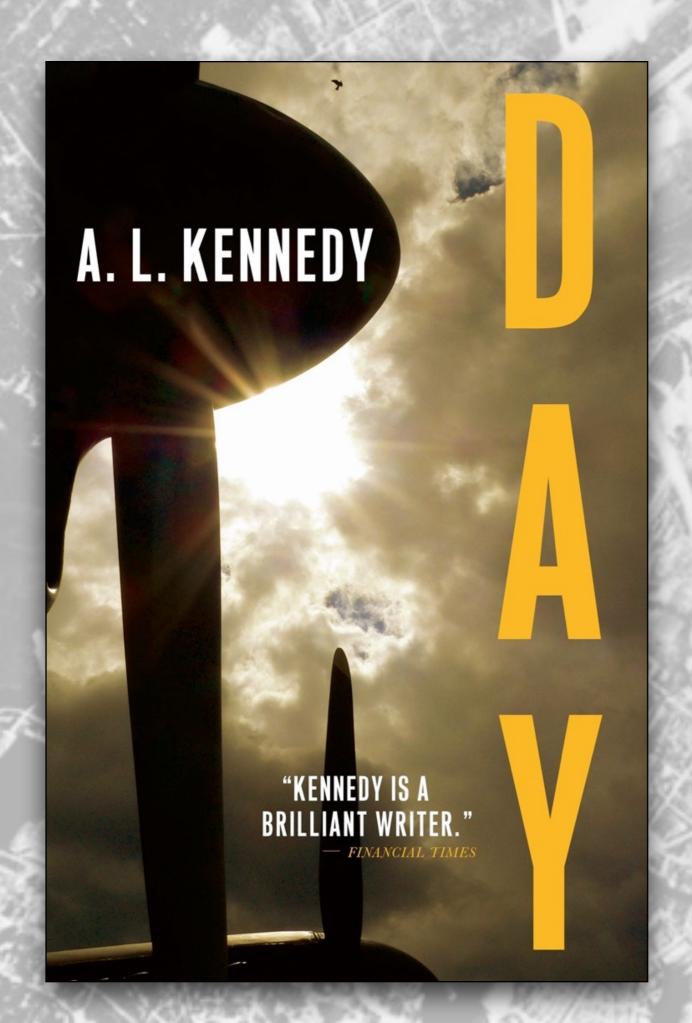
'One is separated from the surface of that island as though he were viewing it on a motion-picture screen in a theater on the other side of the world. A plane in the sky, an island in the water: there is no thread of realization, of understanding, of human feeling that connects the two. In modern war one kills at a distance, and in doing so does not realize that he is killing.'

10 September 1944



The bombers 'dropped their load into this abstraction.'

Jörg Friedrich, The Fire



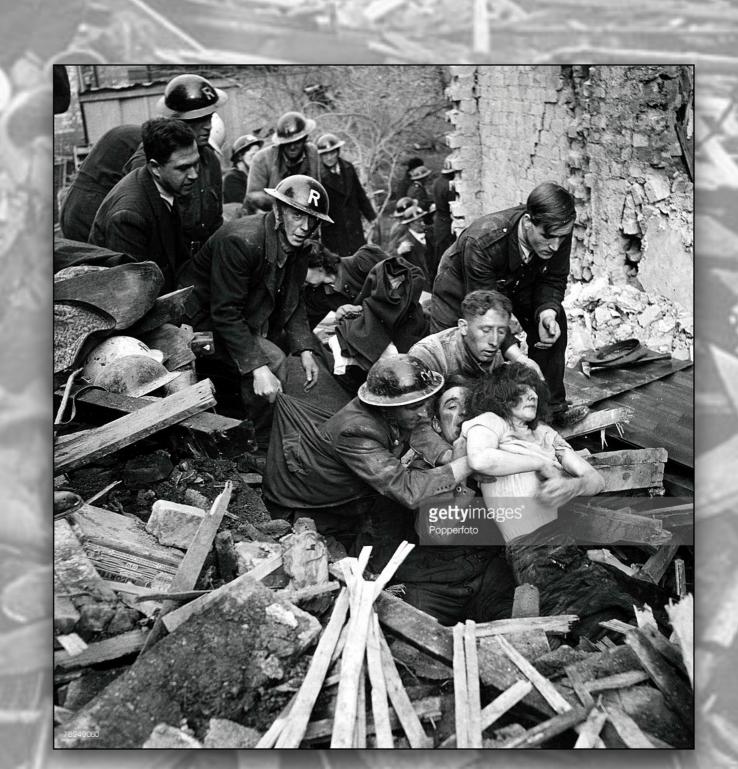
'My, but wasn't it all just a big, free university - the university of war - with HE and armour piercing and incendiaries, just for a lark. And so much to find out: the far edges of people and the bloody big doors into nowhere that you don't want to know about.'

'There is no public record of the labours of the inter-departmental Committees, of the Boards of Inquiry, of the Treasury minute, of the final Cabinet minute, which settled upon the word "incident" as the designation of what takes place when a bomb falls on a street. Yet how important it was to select such a word ... So when the time came, Whitehall had a word for it... "Incident" cannot be held to convey very graphically the consequences of a bomb. Just the contrary. The word is wonderfully colourless, dry and remote: it touches nothing which it does not minimise. And this, it may be supposed, was what recommended it conclusively to the authorities. It formed an important part of their policy of reassurance. For while anyone might be frightened of a bomb, who could be frightened of an incident?"

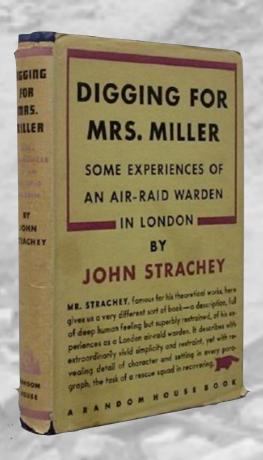
John Strachey, Post D: some experiences of an air raid warden (London: Gollancz, 1941)
Strachey served as a public relations officer in the Directorate of Bombing Operations



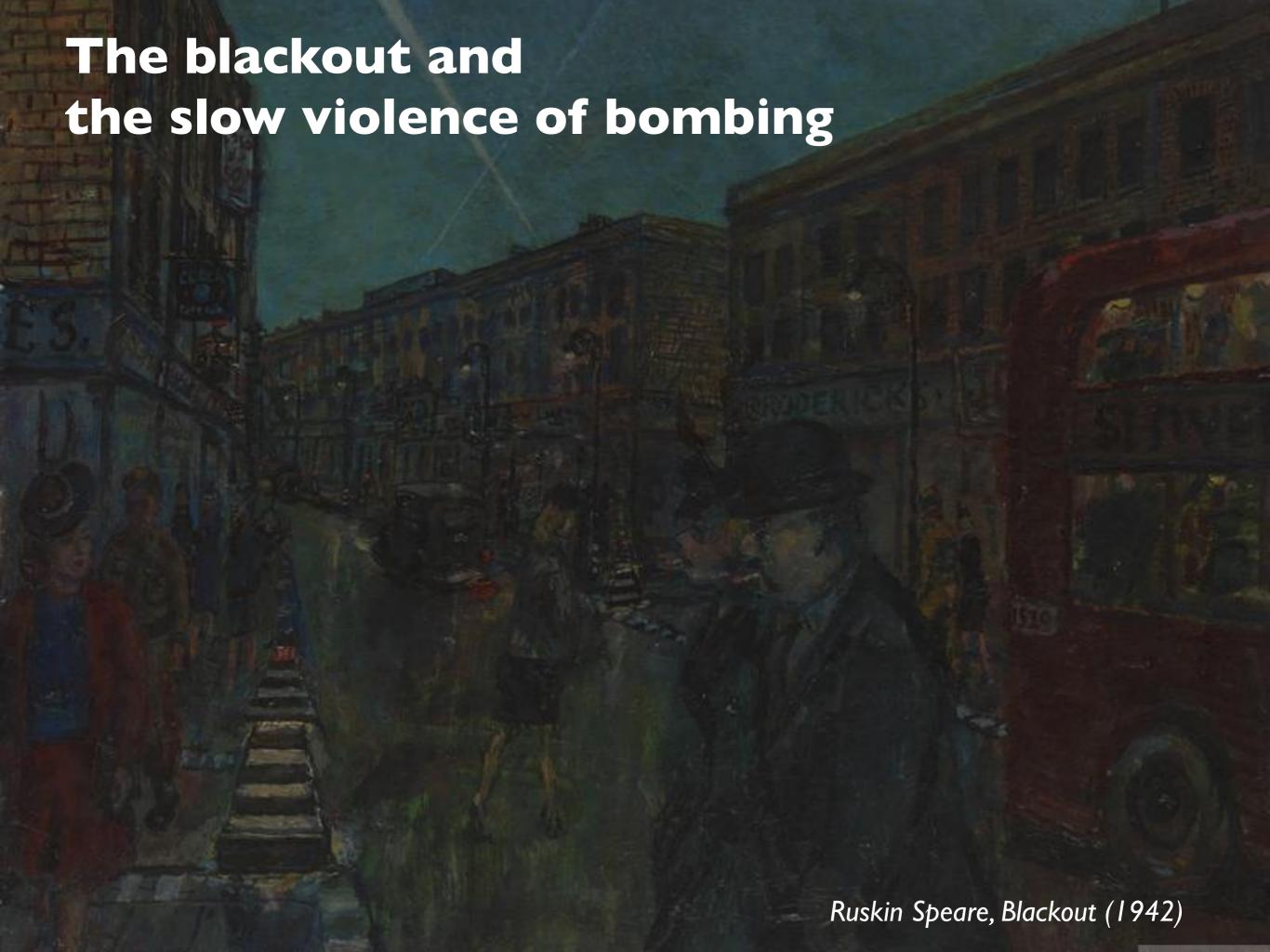
For those crouching beneath the bombs, the experience was anything but abstract

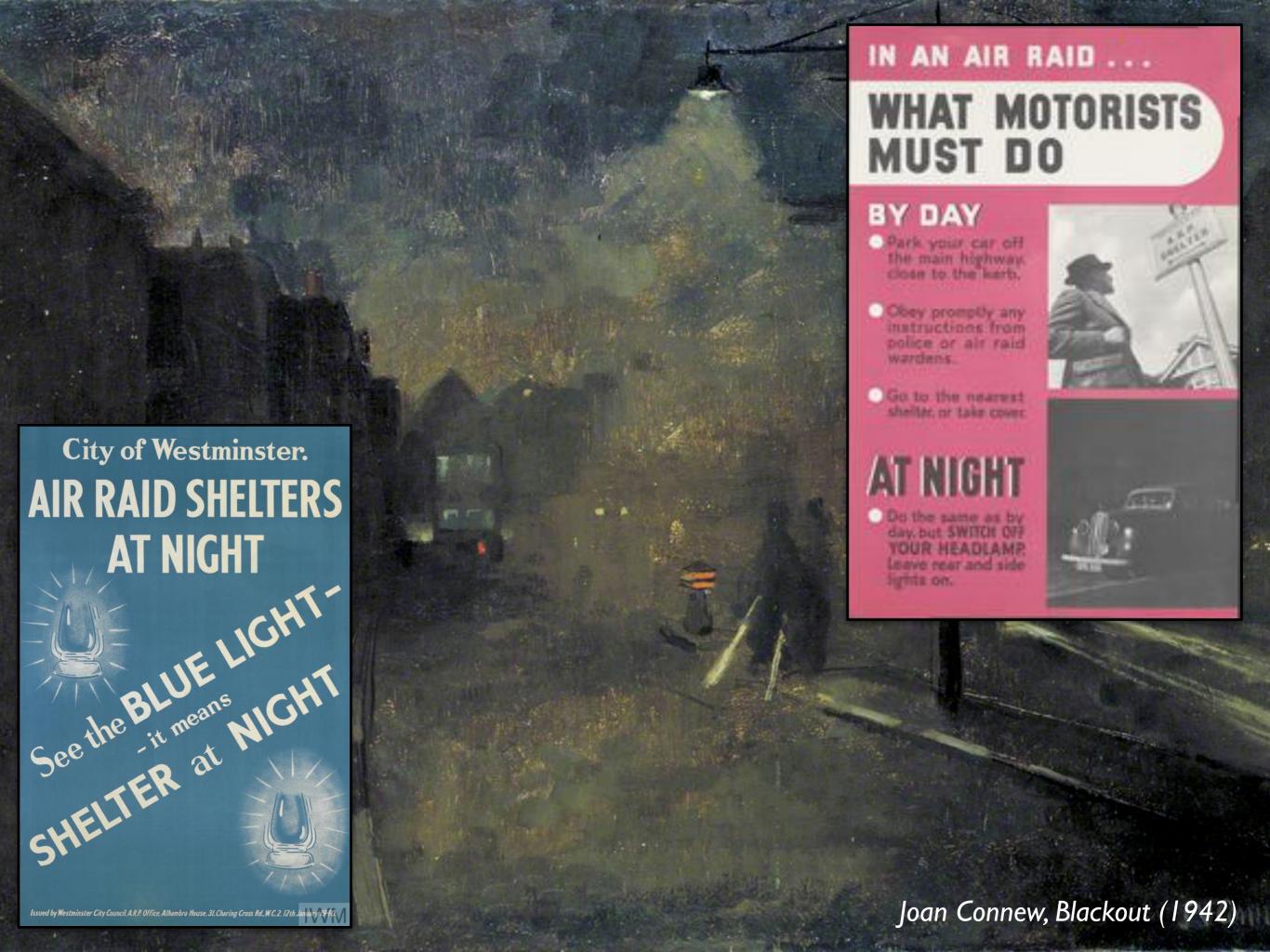


'What a domestic sort of war this is... it happens in the kitchen, on landings, beside washing-baskets; it comes to us without stirring a yard from our own doorsteps to meet it. **Even its catastrophes are made terrible not by strangeness but by familiarity**.'



John Strachey, Post D: some experiences of an air raid warden (London: Gollancz, 1941); Digging for Mrs Miller (New York: Random House, 1941)



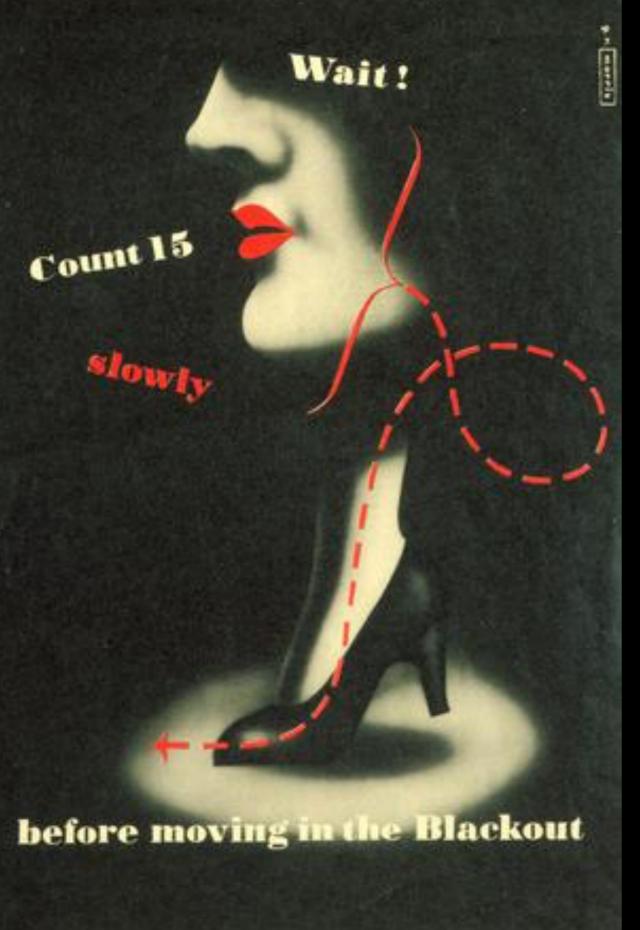




THE PLANT

ATLAS ASSURANCE

GUINNESS IS GOOD FOR YOU



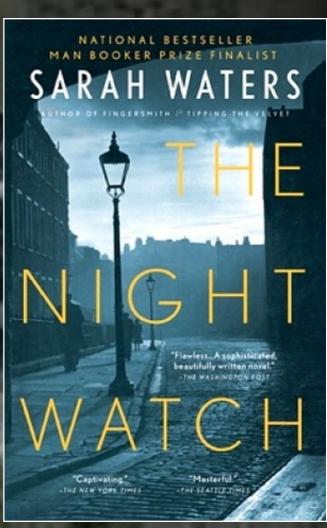


Heard by THE WATIGNAL "SAPETY FIRST" ASSOCIATION (Inc.), Terminal House, \$1, Grovener Gardon, Landon, S.W. I

ACCUSE OF TAXABLE OF T

ATLAS GUINNESS TIME IS GOOD FOR YOU Ever Read 'It was always disconcerting, in a black-out, leaving the places you knew best. A particular feeling started to creep over you, a mixture of panic and dread: as if you were walking through a rifle-range with a target on your back.'





'Walk anywhere and you'll catch yourself calculating out from where the first cookie [blockbuster bomb] would fall and blast the buildings open, let the incendiaries in to lodge and play.

'And so you see targets beside targets: nothing but targets and ghost craters looping up from the earth, shock waves of dust and smoke ringing, crossing. You feel the aerial photograph staring down at you where you stand, waiting to wipe you away.'

A.L. Kennedy, Day



Raymond Phillips's Aerial Torpedo May 1910

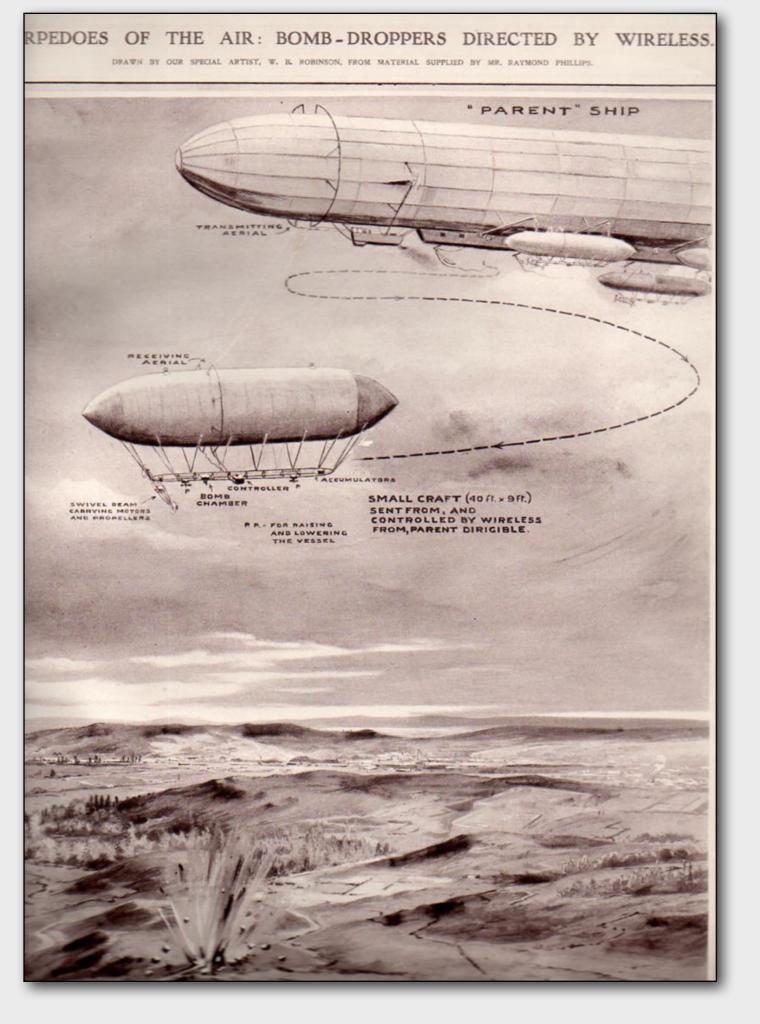


"Now," said he, "just imagine that row of seats is a row of houses, and that instead of a model, with paper toys in its hold, in its hold, I am controlling a full-sized airship carrying a cargo of dynamite bombs. Watch!"

He pressed another key. There was a faint click from the framework of the airship, and the bottom of the box that hung amidships fell like a trapdoor, releasing, not bombs, but a flight of paper birds, that fluttered gracefully down on the seats beneath. "There!" said the inventor, with a note of finality...

New York Times 22 May 1910

'I don't want to brag, but I feel sure that if England purchases my aerial torpedo she will make short work of the enemy's fleets and cities in any future war. Why, I can sit in an armchair in London and drop bombs in Manchester or Paris or Berlin.'



'I don't want to brag, but I feel sure that if England purchases my aerial torpedo she will make short work of the enemy's fleets and cities in any future war. Why, I can sit in an armchair in London and drop bombs in Manchester or Paris or Berlin.'

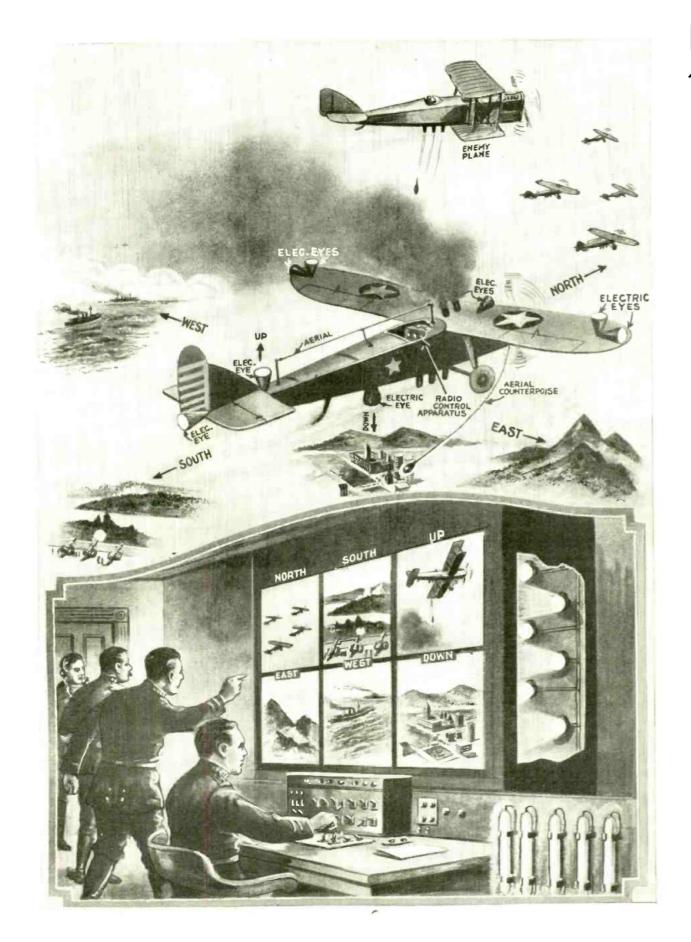
Illustrated London News, September 1913
Illustration by W.B. Robinson 'from materials supplied by Mr Raymond Phillips'

Following the demonstration of a radio-controlled torpedo on the Seine and similar successes outside France:

The question of remote control has thus been raised, and it is a good one, and the time is doubtless not far off when, from the Eiffel Tower, our officers will be able to blow up bridges and detonate mines beneath the feet of marching battalions... When that time comes, we shall see aeroplanes criss-crossing space, blindly obeying orders from the transmitter....

The time is not far off when remote control will perform veritable miracles and will transform ... war itself.

Le Gaulois 7 August 1911



Hugo Gernsback's radio-controlled television plane 1924/1931

'The airplane is started from the ground and is sent over the enemy territory. During every second of its flight the control operator, although 50, 100 or possibly 500 miles away, will see exactly what goes on around the plane, just the same as if he himself were seated in the cockpit; with the further advantage that, sitting before a screen, he can scan six directions all at once, which no human aviator can do....

'The radio-controlled television airplane can ... be directed to the spot where it is supposed to drop its bombs. Moreover, the distant-control operator can see exactly when his machine arrives over a given spot. A sighting arrangement can be attached to the plane in such a manner that, when the object to be bombed comes over the cross-wires in the range-finder, the bomb or bombs are dropped at the exact moment.'

Television News (1), March/April 1931





Project Aphrodite



In the waning days of World War II, the US turned worn-out bombers into missiles targeting Germany. It didn't go well.

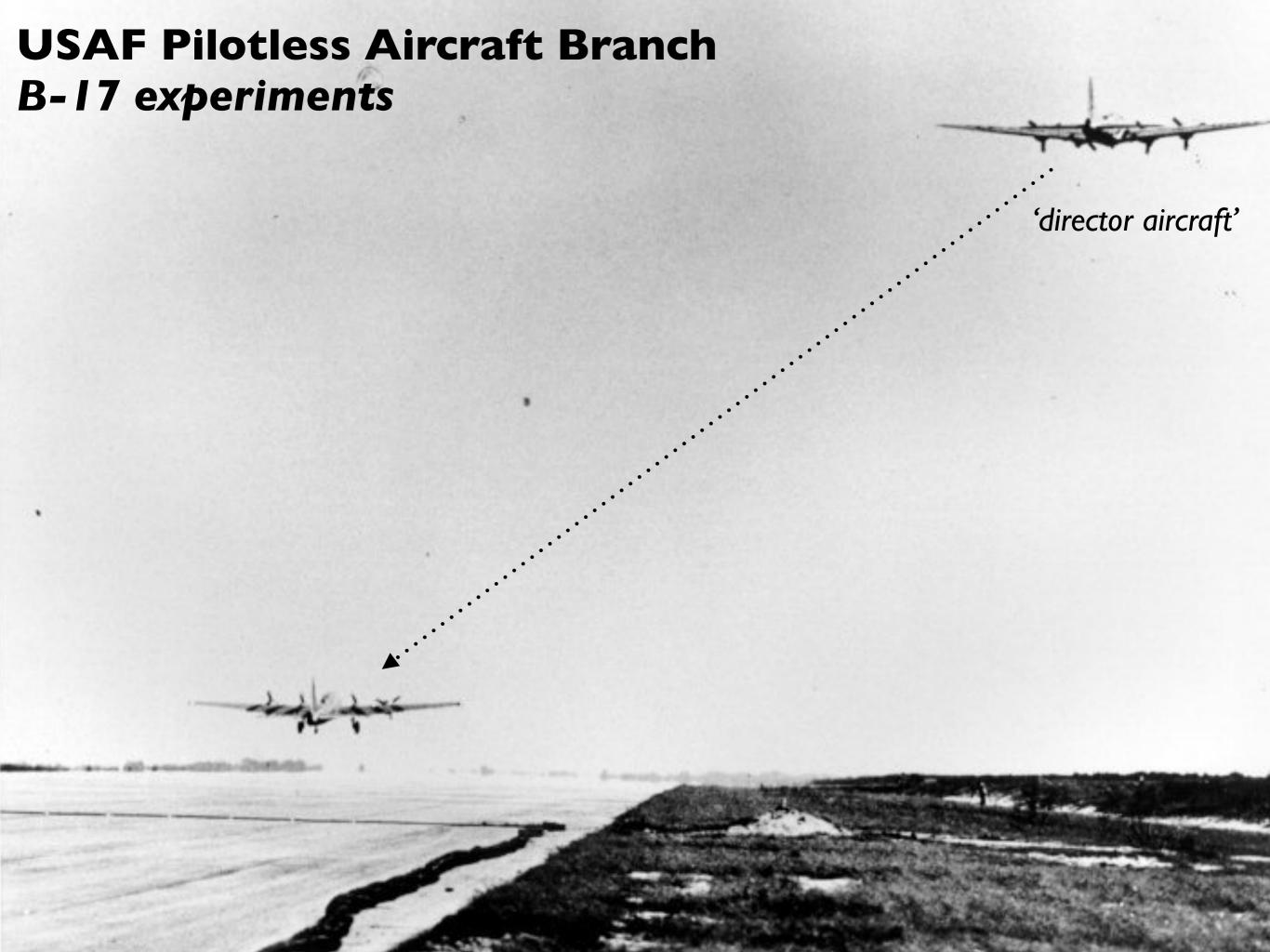
The Remote Control Bombers

By Walter J. Boyne



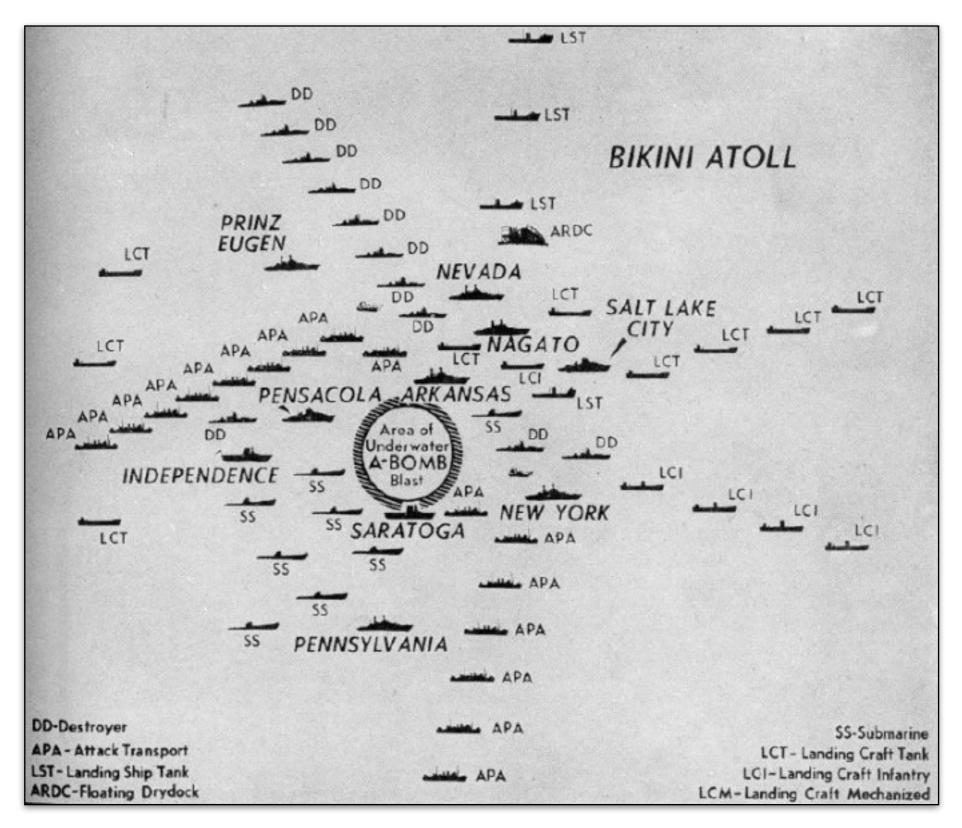








Drones in the Marshall Islands Operation Crossroads, July 1946





A B-17 drone, controlled by transmitters on the ground, lands at Eniwetok during Operation Crossroads in the Marshall Islands.

(Manhattan Project Heritage Preservation Association)



This photograph was taken by an automatic camera mounted in a drone plane flying directly above the Zeropoint at the instant of detonation, a remarkable achievement in drone control. The cauliflower is funnel-shaped at this stage; within its jagged rim is a condensation cloud nearly a mile in diameter, which evaporated a few seconds later.



'The ultimate objective was to fashion a B-47 carrier with completely automatic operation from take-off to bomb drop... Under direction from the mother aircraft, the missile would take off, climb to altitude and establish cruise speed conditions. While still in friendly territory, the crew aboard the director checked out the missile and committed its instruments to automatically accomplish the remainder of the mission. This was all that was required of the director. The missile, once committed, had no provision for returning to its base... either the B-47 became a true missile and dived toward the target ... or a mechanism triggered the bomb free, as in a normal bombing run.'

Drones at Indian Springs

Air Force mechanics at Indian Springs Air Force Base are shown calibrating radiocontrol equipment in a Lockheed QF-80 drone (pilotless aircraft) which was used in penetrating a radioactive cloud resulting from an atomic detonation during a recent nuclear test at the Nevada Proving Ground



US Air Force, 1953

THE AMERICAN WAY OF BOMBING

"I don't think anyone here thinks about blowing in and dropping bombs and killing a person. It's all very impersonal. You don't hear the bombs. It's all very abstract." —Marine Capt. John Waddell, to a New York Times reporter

INCE THE BATTLE OF AGINCOURT, where the English longbow was decisive, warfare has become increasingly depersonalized. The distance between the combatants has become progressively greater, and each man has been given a growing offensive capability that permits him to kill many others with a single effort. The massive use of air power in World War II and in Korea contributed to this trend of increasing the physical and psychological separation between combatants and of minimizing the emotional interaction between them. The most recent developments in the instrumentation of warfare in Indochina-especially aerial navigation, target detection, and weapons delivery advances—have accelerated this trend considerably.

So far, advances in navigation and computerized weapons release have had their greatest impact on interdiction attacks by fixed-wing aircraft against stationary, soft targets; some degree of blind bombing capability has been achieved. Ground sensors are used primarily for accumulating intelligence for preplanned strikes on stationary targets, though they are also utilized for immediate strikes against trucks. The airborne sensor devices, on the other hand, have found their most important use in the truck interdiction campaign over the Ho Chi Minh trail, about which the Air Force has recently made



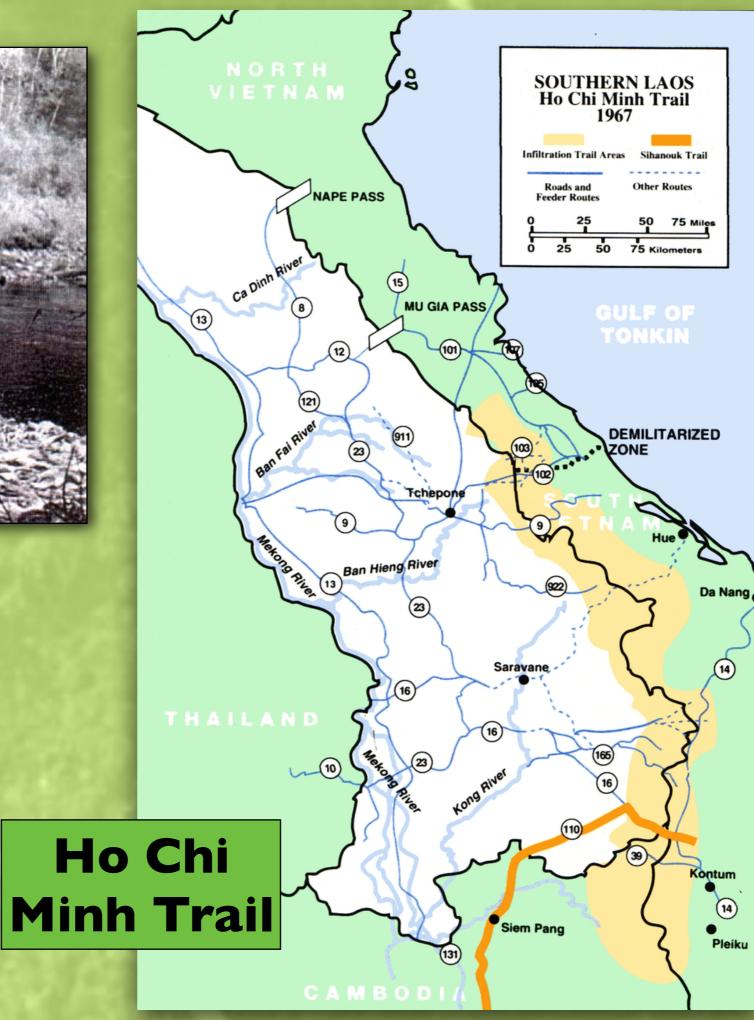
"These two, father and son, don't have hands and feet on account of a bomb dropped by the airplanes that didn't explode right away. They thought it would never explode and went to pick it up to look at. It exploded, hitting them as shown in this picture. Now they can't do anything. But this father and son pair did not come away with us. ... They said that it was because of having been hit by the bomb. Leaving wasn't any good. Better to die in the village. This was the decision of these two, father and son." -Artist: a twenty-

four-year-old man

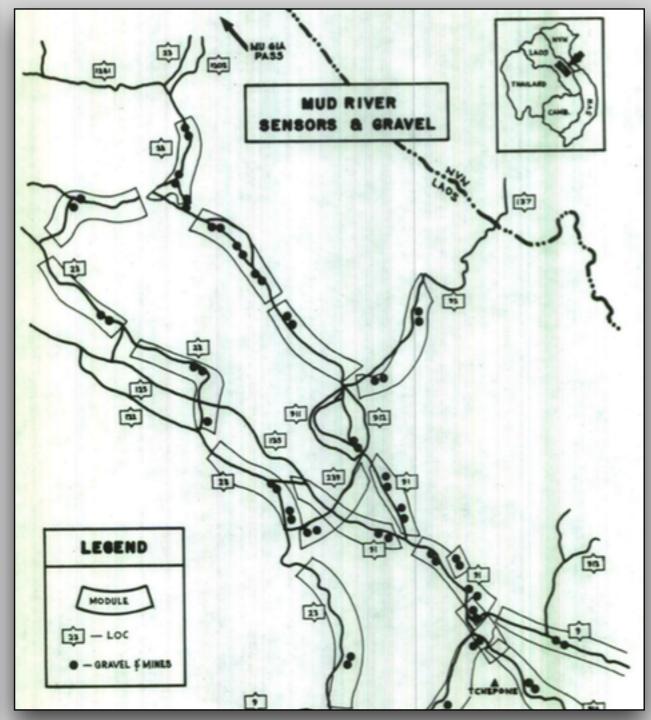
Harper's Magazine **June 1972**











'IGLOO WHITE' 1968-1973

Drones as relay aircraft

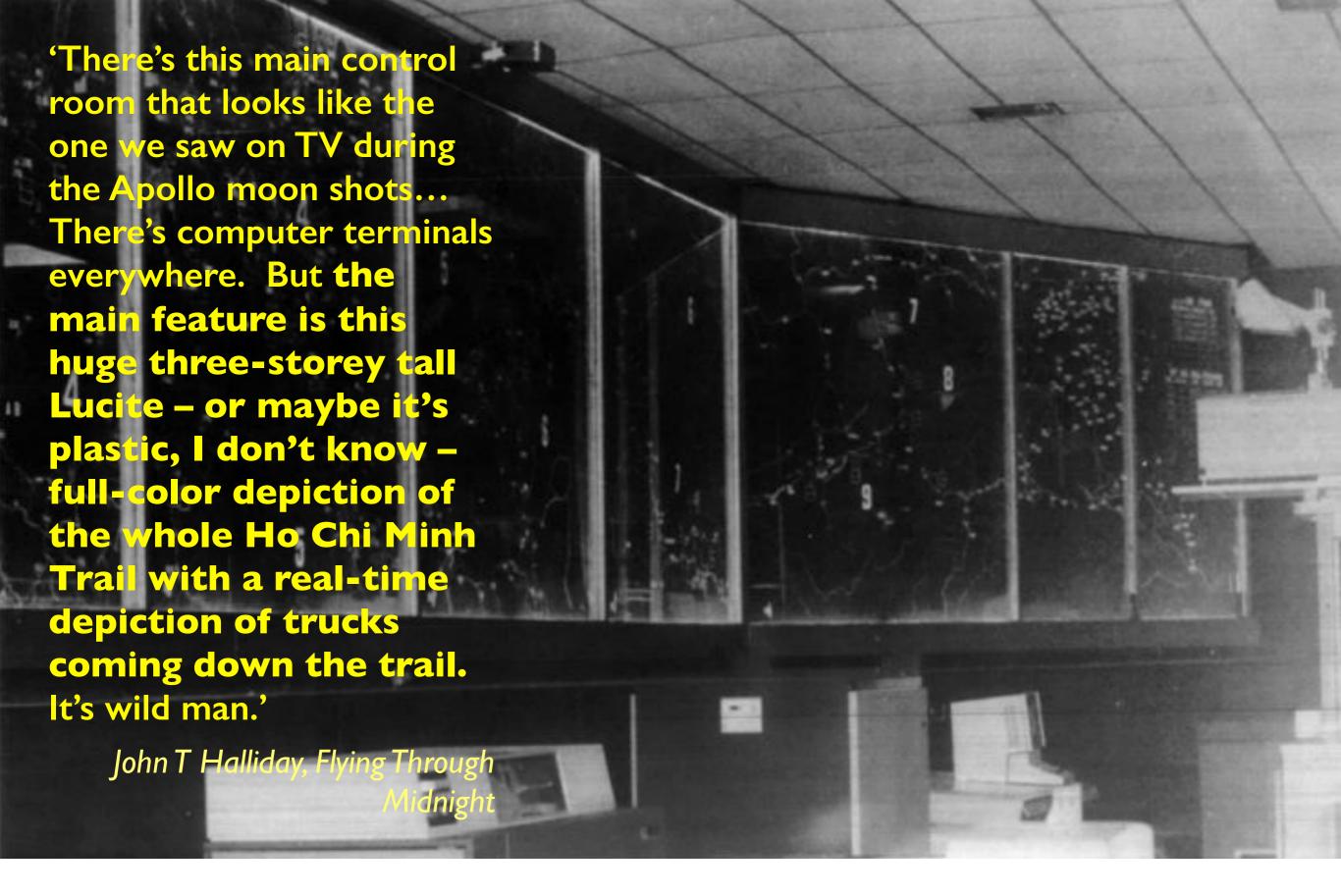
The transmission range of the sensors was limited to 20 miles so relay aircraft flew the Trail 24/7. Most of them were **QU-22** modified Bonanza Beechcraft aircraft **designed for remote operation but in practice a pilot controlled takeoff and landing and monitored the automatic flight system.** They were eventually replaced by conventional C-130B aircraft.

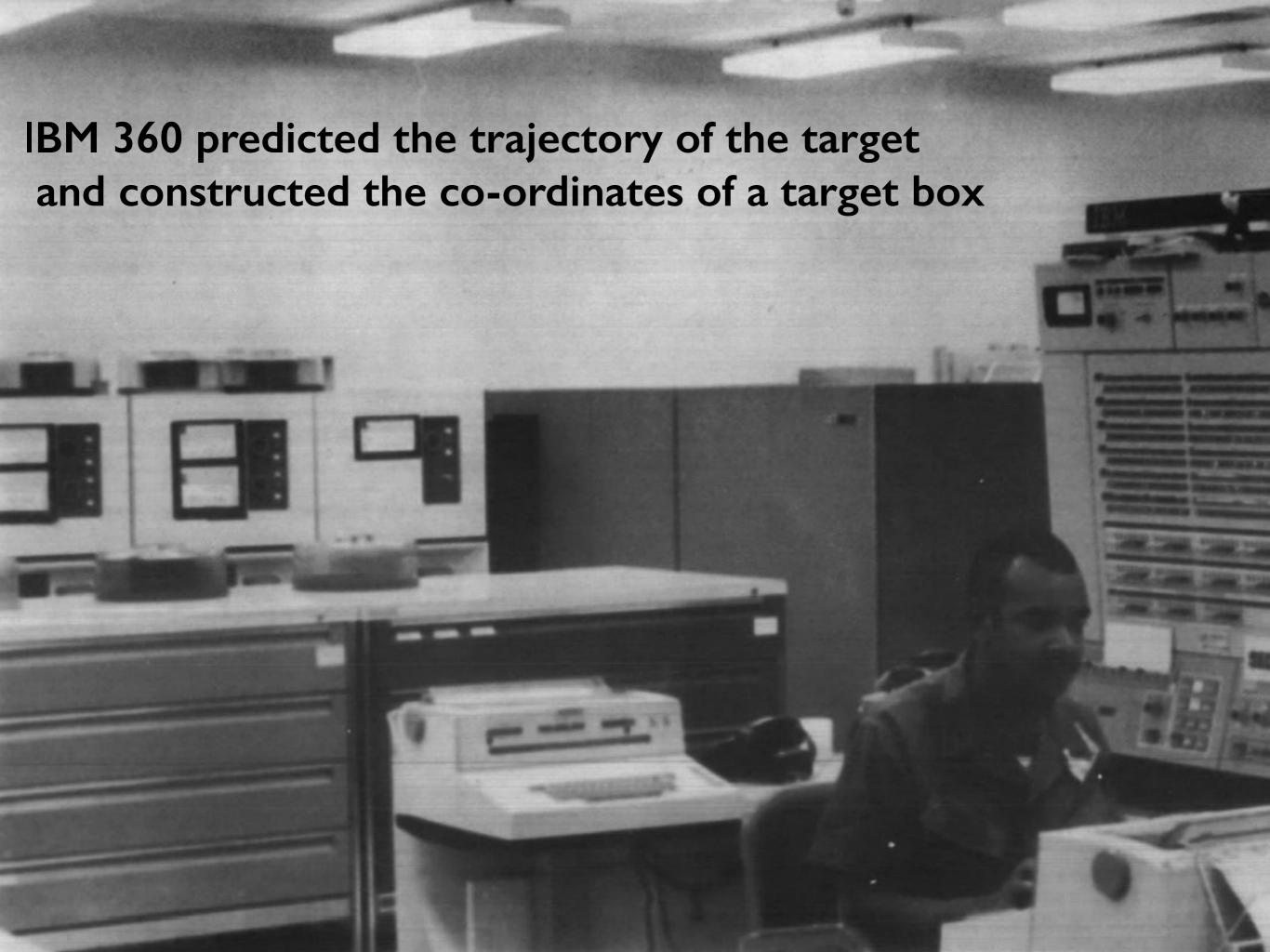


Infiltration Surveillance Center ('Dutch Mill')

Seventh Air Force, Nakhon Phanom, Thailand







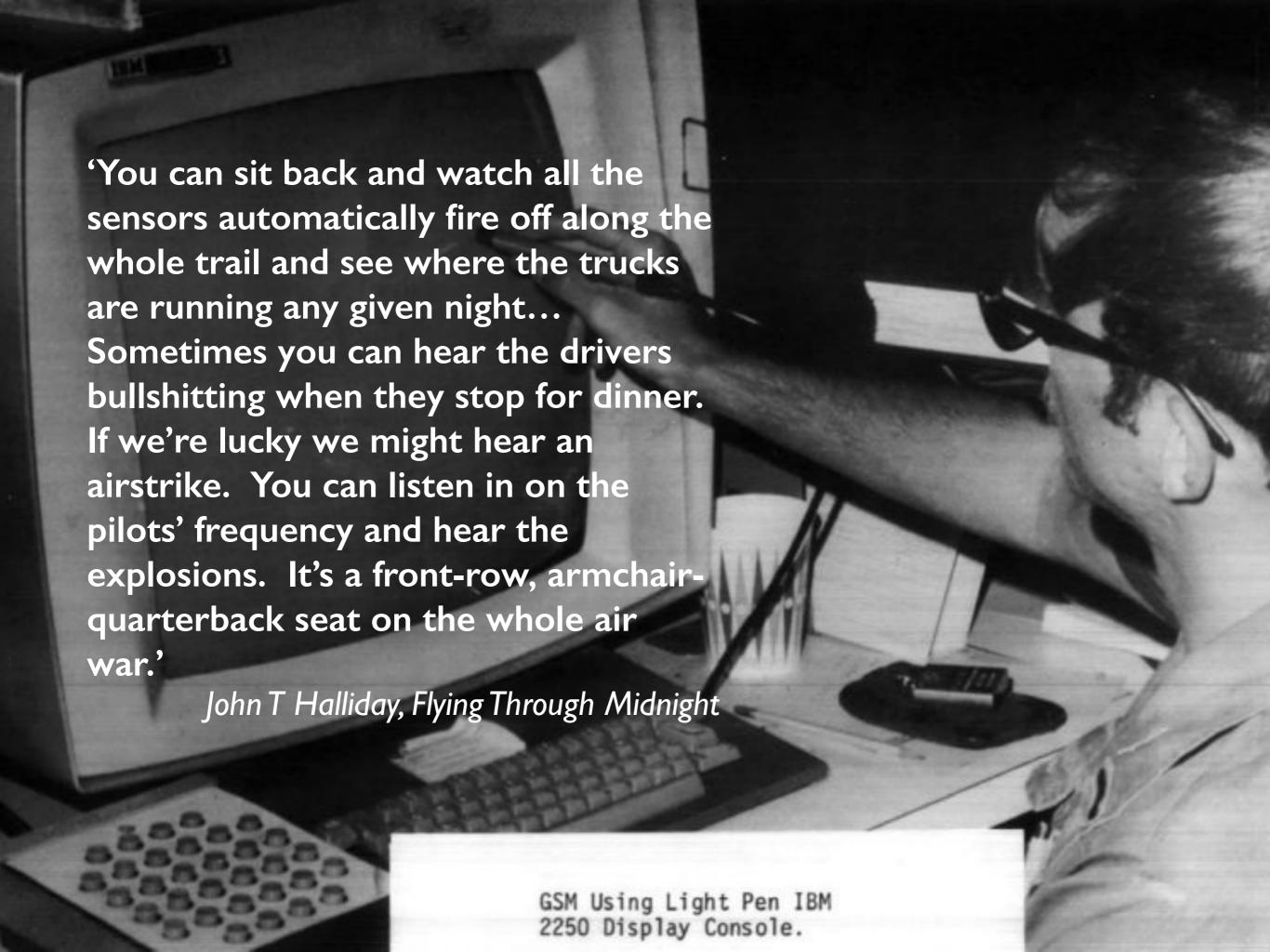
Remote control bombing

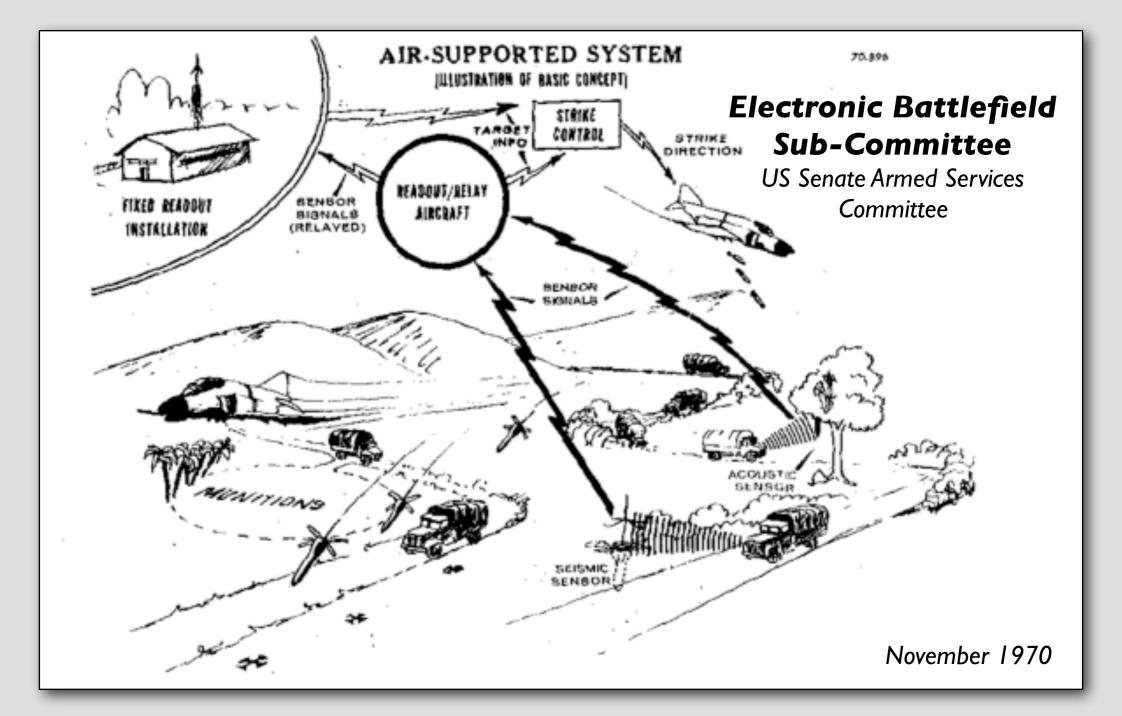
The F-4D Phantom and A-6E Intruder jets that attacked the 'target signatures' were equipped with advanced navigation-bombing systems that triggered an air strike without eyes on the target using coordinates automatically transmitted from the ISC.



'Bombs explode on a truck park on the Ho Chi Minh Trail' (USAF)

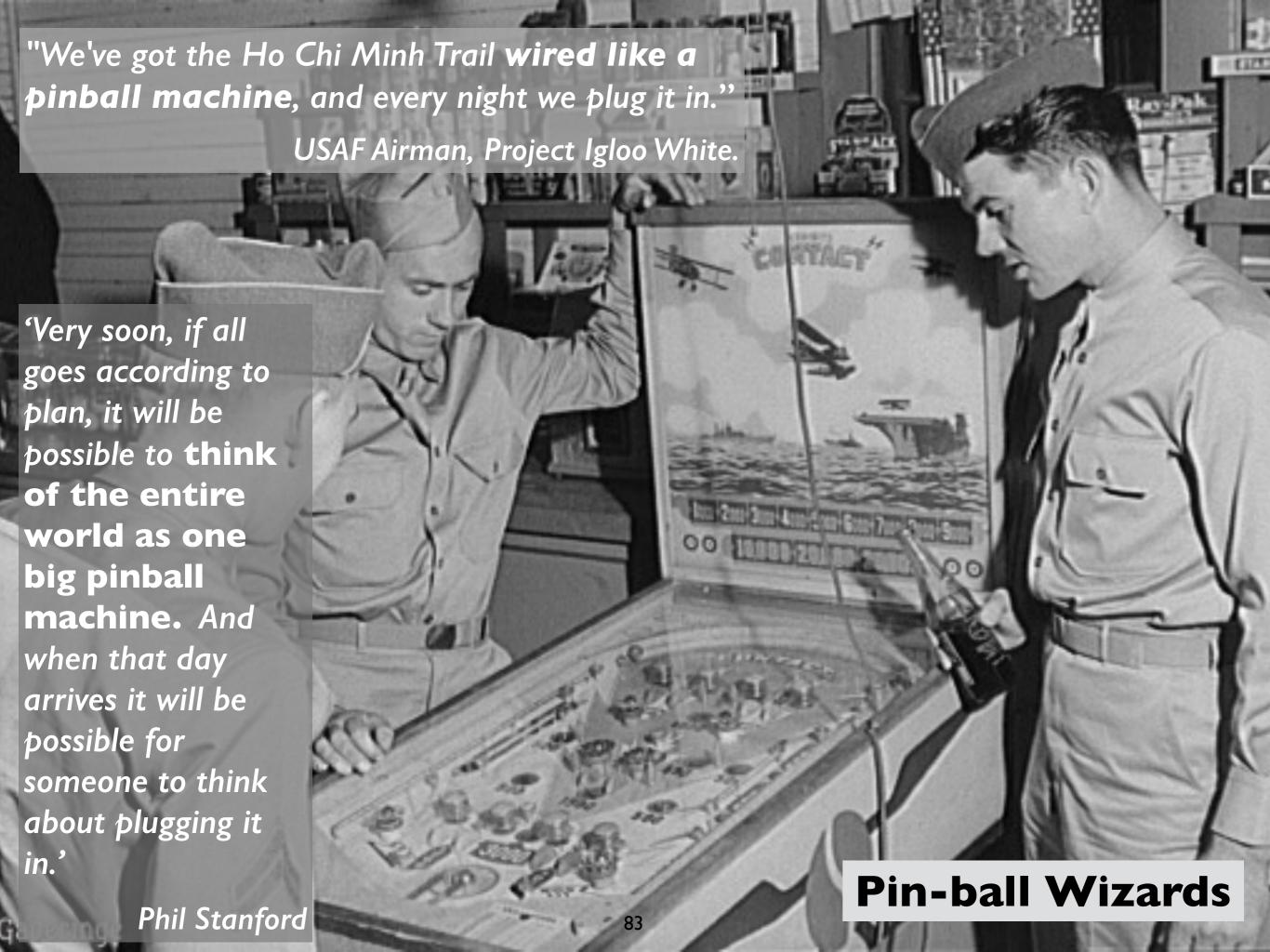
'We are not bombing a precise point on the ground with a point target bomb — we can't determine each truck's location that accurately with ground sensors, which are listening — not viewing — devices. Since we never actually "see" the trucks as point targets, we use area-type ordnance to cover the zone we know the trucks to be in.'





'Half a world from America one of the strangest wars in history, and the first of its type, is being waged... Only in this war can you find the veterans of a hundred computer battles who have never heard a shot fired ... bombs which drop on electronic signal, drones that fly without manual control – and the entire system tied to a collection of tubes, transistors and diodes that calculate time and space with the precision of an astronaut's moon landing.'

George Weiss, 'The Air Force's secret electronic war', 15 October 1971

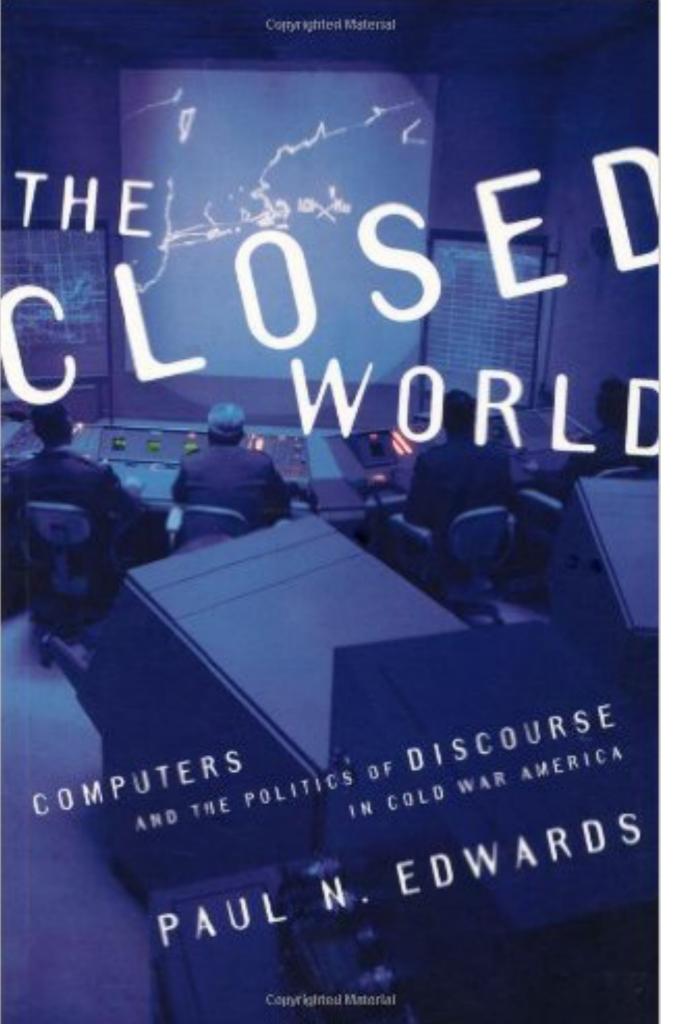




'The only real problem with the Automated Battlefield was that it didn't work very well. It was frequently in error, almost haphazard at times, and ... never more than slowed down traffic on the Ho Chi Minh Trail.

'[But] Westmoreland never expected that Automated Battlefield to work in Southeast Asia. Vietnam was a proving ground....

Today it appears that his vision may have been modest [and that we are on the threshold of] wars fought without pilots between armies that may never see each other except as blips on an oscilloscope [fighting on] a global, even universal automated battlefield.'



'What they were trying to do then is what we do now, except a lot of those sensors are mobile because they are on drones. But the basic principle of remote control war where you get the soldiers as far away [from] battle as possible and do it with planes if you can or missiles, that's been a steady theme in US military history from World War II right on up.'

Paul Edwards



Dynamic Target Storyboard RC(SW) - TFH J3 Tgts - Op STEN TAKAY Obj DOODY - Mullah Niaz Muhammed - IS3673



Unit: TFH J3 Tgts

POC:

Engagement Asset: UK AH-64 C/S UGLY 50

Qualified Observer: WIDOW 87

Objective: DOODY

Date of Engagement/ATO: 7 Feb 11 (YD)

ISAF No. IS3673

Location: 41R PQ 1768 9260

Description: JPEL Tgt

Function: Mid-level commander and facilitator

Significance: JPEL Pri 3 Tgt

BDAR:

UGLY 50 conducted a 429 strike on JPEL tgt Obj DOODY (Mullah Niaz Muhammed, IS3673). UGLY 50 engaged target alone and on foot in the open with 100 x 30mm. 1 x EWIA.

Initial engagement with 1 x AGM-114 of Obj DOODY + 1 x PIDROF may have resulted in 2 x Civcas (1 x WIA, 1 x KIA).

Follow-on Plans:

Ground C/S arrived at engagement site at 1134D*. Initial BDA 1 x EWIA (Obj DOODY), 1 x WIA (adult male), 1 x KIA (male child). Immediate first aid given to 1 x EWIA and 1 x WIA, with subsequent Casevac at 1144D*. 1 x KIA taken to compound by LN for immediate burial.

INT Summary:

DOODY is a new commander who has been given the responsibility for Saidebad by Obj KOJAK.

Expectation:

The removal of Obj DOODY will deny the INS within NDA(S) and MJH of a competent commander linked into the HMD Military Commission. The networks within this area are suffering as a result of recent targeting and BG operations. Denying the INS this commander will further impact on the INS ability to conduct attacks against CF and ANSF and the resupply of weapons.

Engagement Summary:

071017D*FEB11 - UGLY 50, 41R PQ 1781 9254, 1 x AGM-114.

071019D*FEB11 - UGLY 50, 41R PQ 1768 9260, 100 x 30mm.

Munitions Employed:

071017D*FEB11 - 1 x AGM-114.

071019D*FEB11 - 100 x 30mm.

Further Details of Tgt Struck:

All Timings: LOCAL (D*).

0741 - RELINT places Obj DOODY at 41R PQ 1803 9180 in NDA(S) AO.

0950 - Obj DOODY conducts Shura with 5 x adult males at 41R PQ 1780 9250.

1003 - Following the necessary analysis PURSUE

Obj DOODY. GLY 50 checks in with

1014 - UGLY 50 is talked onto Obj DOODY.

016 - Obj DOODY with 1 x PIDROF moves away om group on foot heading generally West.

1017 - TEA granted for Obj DOODY + 1 x PIDROF

1017 - UGLY 50 engages Obj DOODY + 1 x PIDROF on foot in the open with 1 x AGM-114. AGM-114 appears to miss the target impacting at 41R PQ 1781 9254.

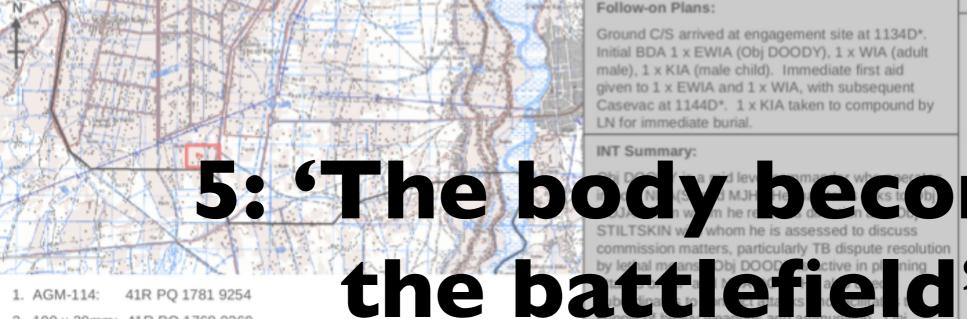
1018 - Obj DOODY and 1 x PIDROF then split with Obj DOODY moving away West and 1 x PIDROF moving away North East.

1019 - UGLY 50 engages Obj DOODY on his own on foot in the open with 100 x 30mm at 41R PQ 1768 9260.

1026 – Initial BDA is Obj DOODY EWIA.

1134 - Ground C/S arrives at engagement area. Immediate first aid given to Obj DOODY EWIA. 1 x WIA (adult male) and 1 x KIA (male child) also discovered by ground C/S. Immediate first aid given to 1 x WIA.

1144 – Obj DOODY and 1 x WIA Casevac'd to BSN.

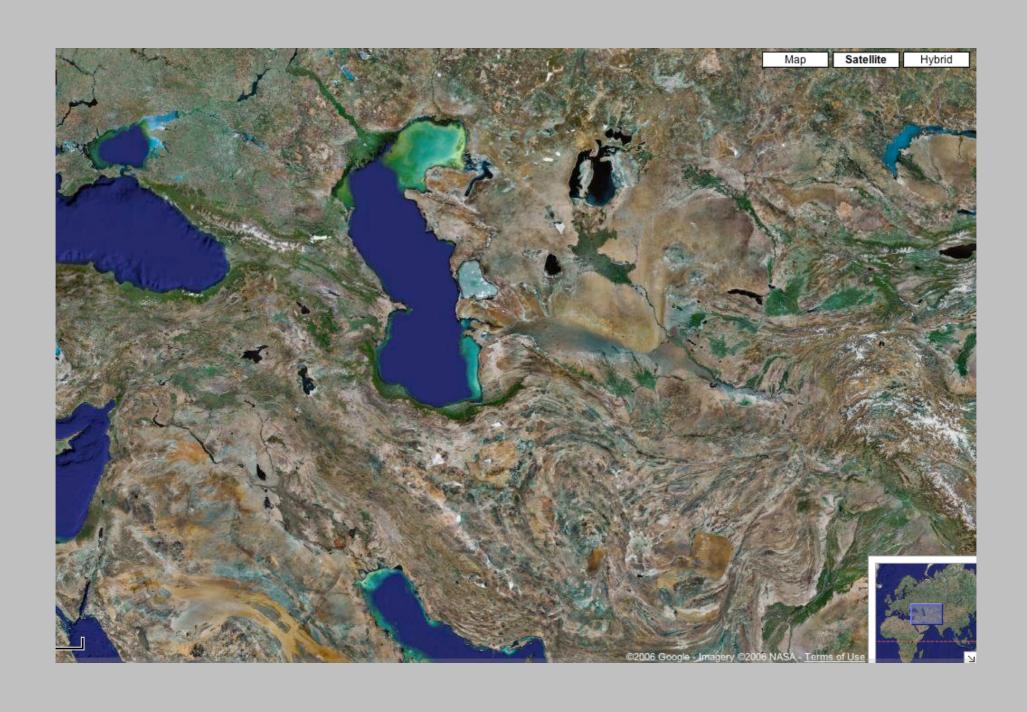


 AGM-114: 41R PQ 1781 9254 2. 100 x 30mm: 41R PQ 1768 9260

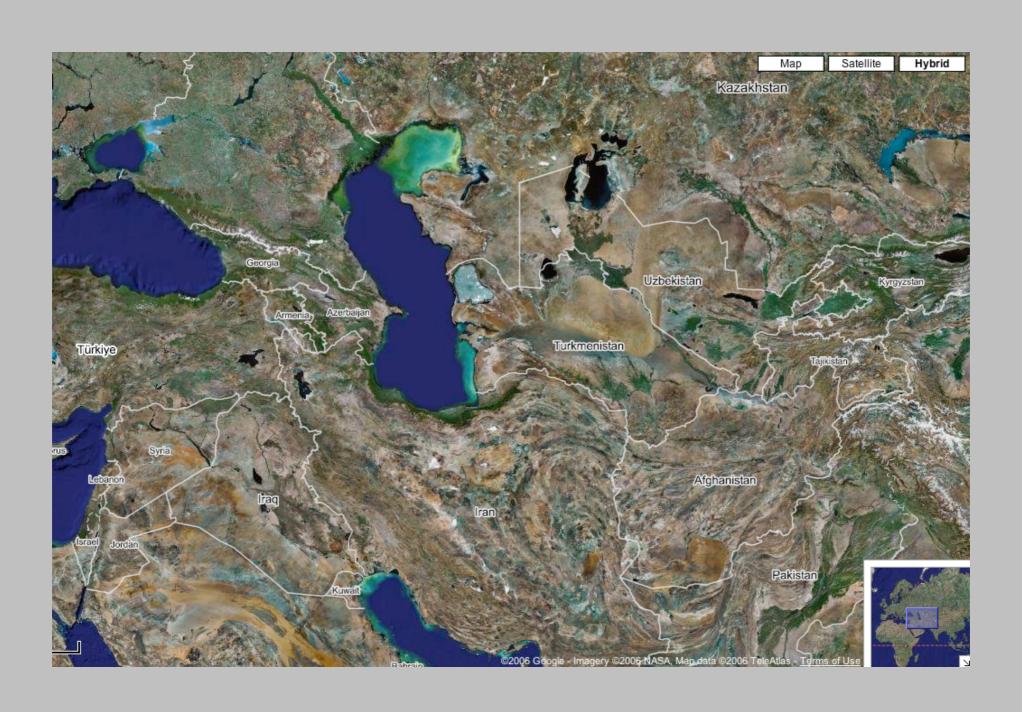


SECRET //REL TO NATO/ISAF

Where in the world is Afghanistan?



Where in the world is Afghanistan?





"Inside that trailer is Iraq, inside the other,
Afghanistan."... Inside those trailers you leave North America, which falls under Northern
Command, and enter the Middle East, the domain of Central Command.

'So much for the tyranny of geography.'

Robert Kaplan, 'Hunting the Taliban in Las Vegas', *Atlantic Monthly*, September 2006

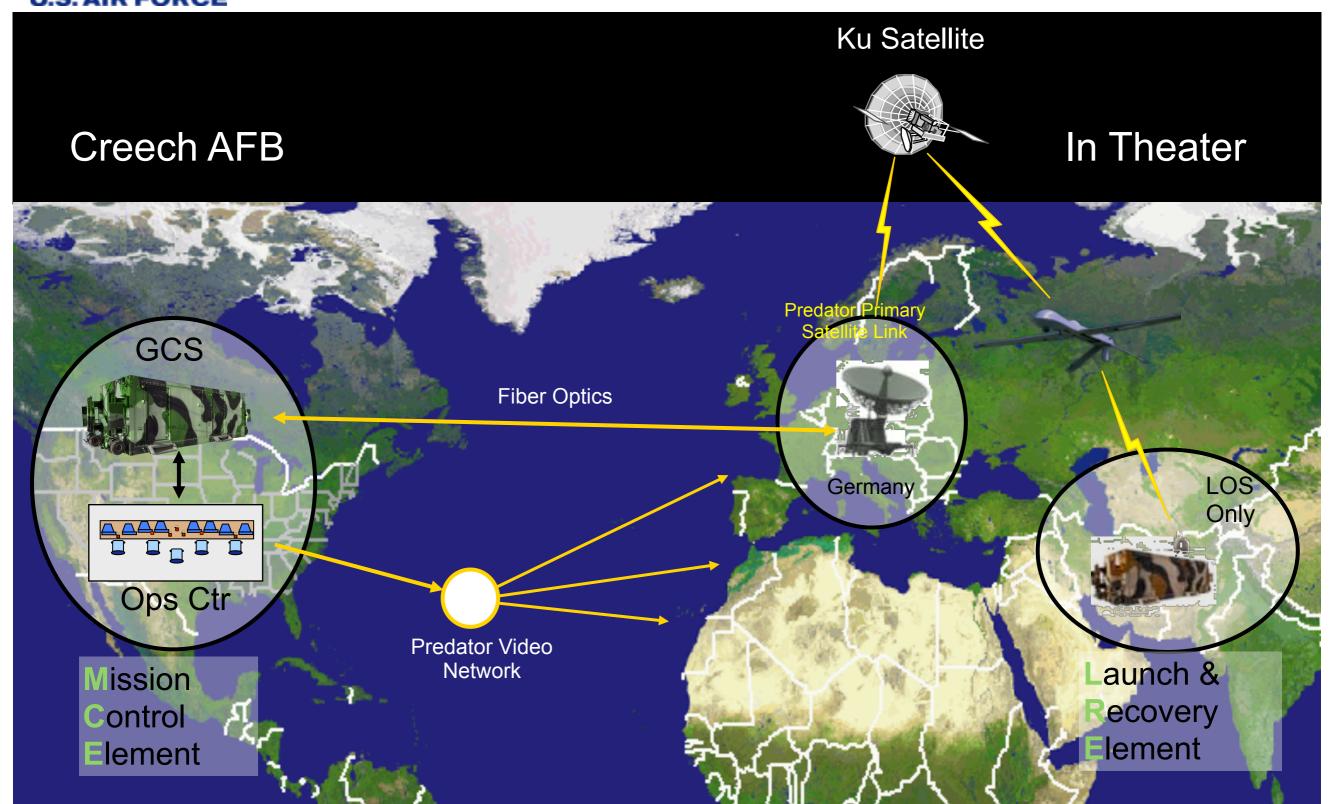


Capt. Bob and Major Sgt. Lyle step out of a mobile conex container after finishing their shift operating a Predator over Kandahar, Afghanistan

Tony Avelar/Christian Science Monitor/September 2009



Remote-Split Operations





Remotely operated aircraft systems produced by General Atomics Aeronautical Systems are routinely operated over world trouble spots. With the persistence and precision capability to detect, identify, track, and even strike time-sensitive targets instantly, U.S. Air Force MQ-1 Predators and MQ-9 Reapers fly missions beyond the capabilities of manned aircraft.

The multi-mission MQ-9 Reaper, equipped with electro-optical/infrared (EO/IR) streaming day and night video, Lynx Synthetic Aperture Radar (SAR), and weapons, provides unparalleled support to ground forces.

A cost-effective force multiplier in every sense. Not only operational, but indispensable.



'When you're sitting in the box flying these things you lose sense of the fact that you're sitting in Nevada. You get so in to what's going on...

'As he's talking to me on the radio I can hear the bullets whizzing over his head and you completely lose track of the fact that you're sitting in a CONEX box sitting in Las Vegas. All of a sudden you're in the middle, you're pitch in the middle of this battle, and everything's going off like hopefully you want it to go and, you're talking to the inbounds, you're talking to the Forward Air Controllers that's trying to get on scene, you're talking to the guy that's being shot at, you're trying to coordinate with the Pentagon, you're trying to coordinate with the Combined Air Operations Center there in Qatar and get assets in to these guys, and it is a total immersion. It's astounding that your brain can all of a sudden leave where you are and you're in Afghanistan helping these guys.'

Close Air Support

Lt Col Bruce Black, USAF

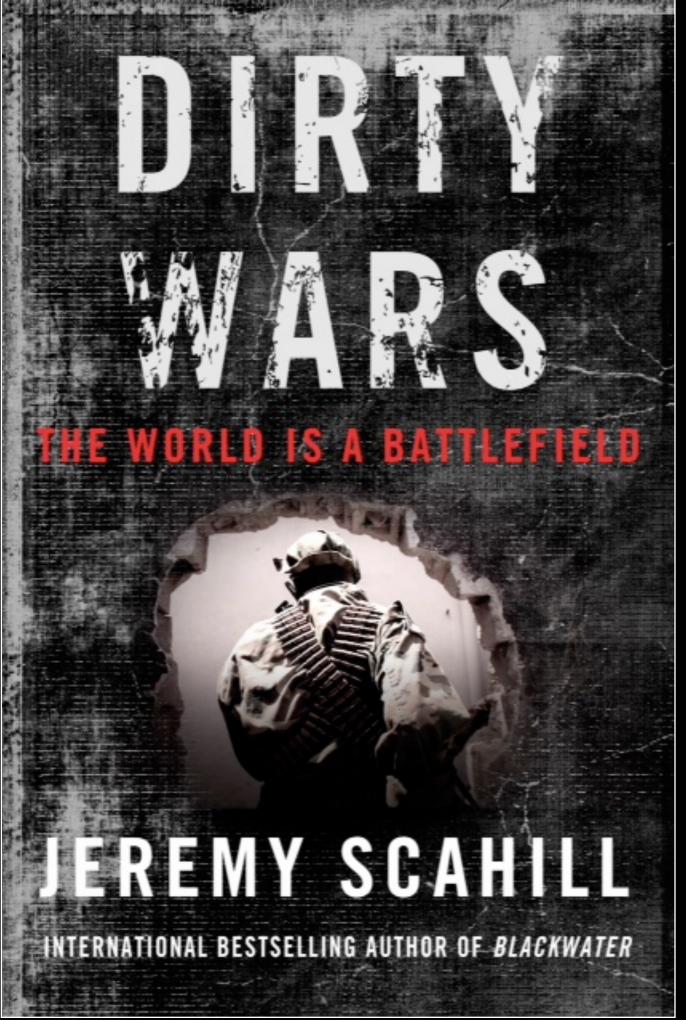
'For the United States, the use of the drones is justified because it means that its soldiers are not placed in potentially fatal ground operations of war: no flesh and blood is lost, merely machines. **This** dualistic logic is, of course, violently asymmetrical. For the targets of this drone war, it is flesh and blood that is shed, without the possibility of traditional combat counter-retaliation: drones kill silently, firing their missiles from a two-mile distance. With nothing to lose but machines, the United States is now in a position to wage war without the usual weighing up of the human cost.'



Joseph Pugliese

Warheads on Foreheads By Anna Mulrine





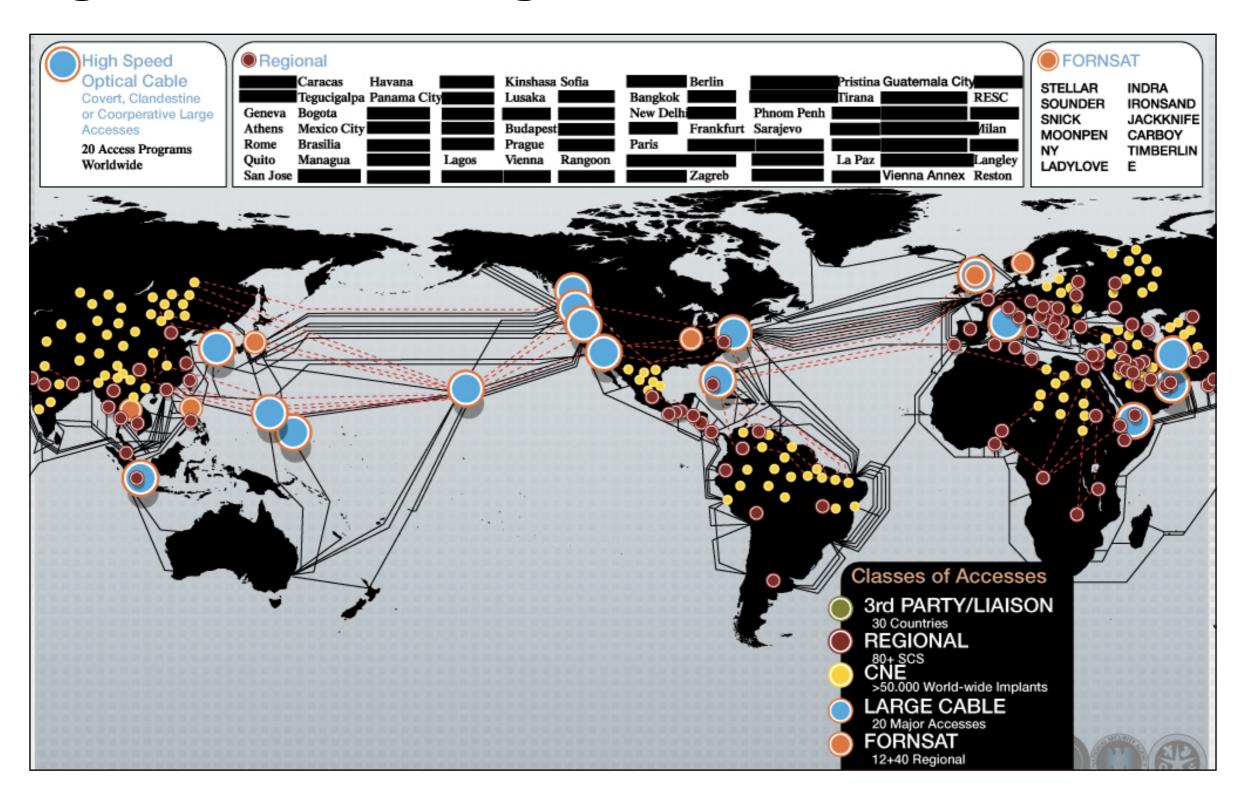


'Because we can target our quarry with precision, the military and the CIA say in effect, we can strike them wherever we see fit, even outside a war zone.'

Grégoire Chamayou, Drone Theory

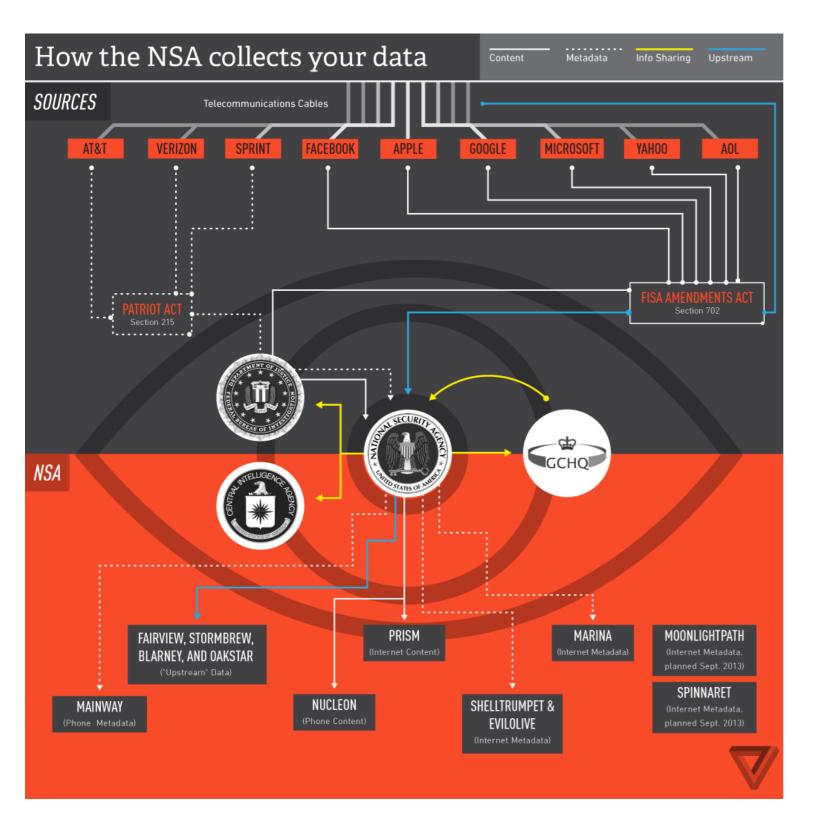
Targeted Killing

Digital Network Intelligence: UPSTREAM INTERCEPTS



The NSA conducts data-harvesting via intercepts of foreign communications travelling through submarine fiber-optic cables at switching stations in the United States or through overseas intelligence services ('Five Eyes' and Tier II 'Third Parties')

Digital Network Intelligence: DOWNSTREAM INTERCEPTS



The NSA also collects data from the servers of major Internet companies and corporations (Google, Microsoft, AOL, Skype etc) in response to demands under S702 that requires ISPs to turn over any data matching courtapproved search terms; these are **DOWNSTREAM** intercepts because the data has already been collected by the companies (un)concerned; the data include e-mails and social network activity, and together these intercepts are the major source of raw intelligence, accounting for 91 per cent of Internet traffic collected under S702

SECRET//REL FVEY

TF EAST LETHAL BURWYN KINETIC STRIKE STORY BOARD

040835Z NOV 2012, Dar-ye Pech District, Kunar Province (42SXD8362672203)

MISSION: TF East conducts a kinetic strike against Qari Munib (LETHAL BURWYN) in the Dar-ye Pech District, Kunar Province on 04 November 2012 in order to degrade the insurgent network in Kunar Province and enable the Battle Space Owners freedom of maneuver in RC-East.

SIGNIFICANCE: Qari Munib (LETHAL BURWYN) is a Taliban sub-commander operating in Dar-ye Pech District responsible for numerous attacks on ANSF and coalition forces. Qari Munib is associated with numerous Taliban district shadow governors, relays guidance, and provides BDA on attacks against Taliban officials in Pakistan.

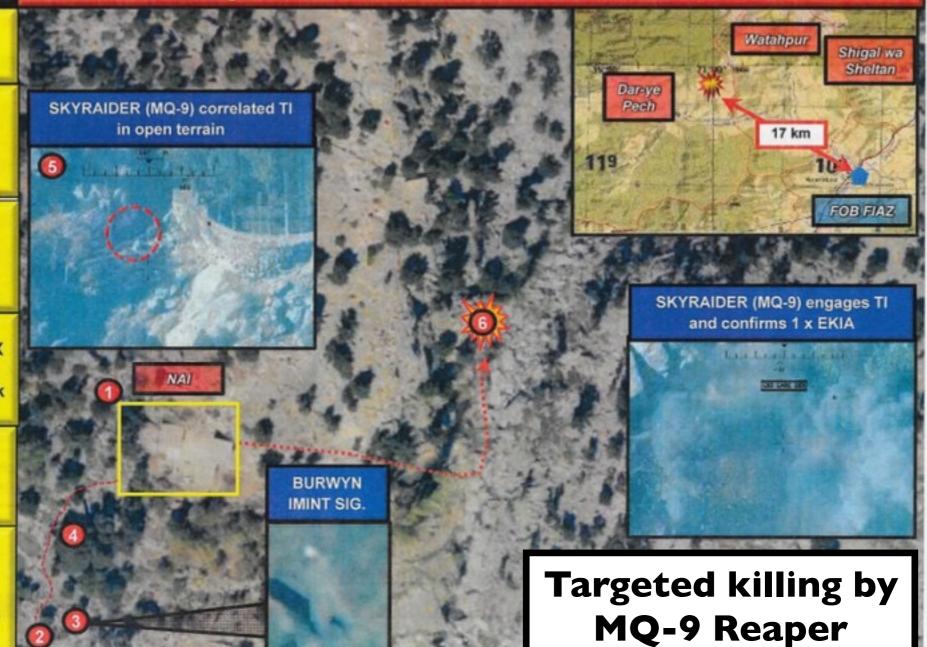
SEQUENCE OF EVENTS

- ~0230z GR76 reported SI at BDL compound for OBJ LETHAL BURWYN.
- 2 GR76 SI/IMINT correlated 5xMAMs left the compound and proceeded 150m SW of BDL compound. 5x MAMs remained static from 0320z-0740z at this location.
- 0523z SKYRAIDER correlated SI activity on OBJ LETHAL BURWYN and established IMINT signature.
- 0740z OBJ LETHAL BURWYN
 proceeded up ridgeline with 2xPAX
 and re-entered BDL compound.
 SKYRAIDER maintained IMINT lock on the compound.
- 0819z OBJ LETHAL BURWYN

 departed BDL Compound,
 SKYRAIDER confirmed PID of
 IMINT signature.
- 0835z SKYRAIDER engaged OBJ
 BURWYN resulting in 1xEKIA. TF

 East observed multiple PAX
 transport remains away from strike
 site.

RESULTS: JP—Pending EKIA, 1 x TOTAL EKIA



('SKYRAIDER')

'No other pilots got to see the target like we did... the images on their targeting pods were tiny and fizzy compared to our high-def pods, keeping them remote to the effects on the ground. Our targeting pods not only showed us everything, but also lingered over the carnage, searing the images into our brains'

'One of the biggest misconceptions ... is that the aircraft allows us some distance from the killing, since we're thousands of miles away. The opposite is true. We are too close. ... At the end of the day, the pilots and sensor operators took the image home...'

Mark McCurley, USAF

'Eighteen inches away'

Good Kill (Andrew Niccol)

Chris Cole, interview with 'Justin Thompson', RAF Reaper pilot, May 2017

"I don't recognise the notion of detachment that some people claim about UAV pilots. The idea that 'you are not there so you are not in the action'. I just don't recognise that from my experience. My mind-set was very much one of being there, and I was able to see so much of what I was looking at, in so much detail that you develop an intimate and in-depth knowledge of what is going on around you. So much more so than the fast jet, for example, that would rock up, stay around for 20 minutes or an hour depending on how much fuel the plane's got and then head off again. You mind becomes invested in it....



"For me, what I was seeing on the screen was very real. In addition to that for me it was more than just two-dimensional. My mind very easily perceived a three-dimensional scene that extended out of the side of the image..."



'Double tap'

'There are rescuers, we can't...'

'The fuck we can't, they're Taliban. Who do you think the first responders are gonna be — Quakers? The rescuers have RPGs.'

I see people with shovels...'

'Then just hit the ones with the RPGs.'

Good Kill (Andrew Niccol)

'The video provided by a drone is not usually clear enough to detect someone carrying a weapon, even on a crystal-clear day with limited cloud and perfect light. This makes it incredibly difficult for the best analysts to identify if someone has weapons for sure. One example comes to mind: "The feed is so pixelated, what if it's a shovel, and not a weapon?" I felt this confusion constantly, as did my fellow UAV analysts. We always wonder if we killed the right people, if we endangered the wrong people, if we destroyed an innocent civilian's life all because of a bad image or angle.'

Heather Linebaugh

'I worked on the US drone program', Guardian 29 December 2013





Silent movies

There is no microphone equivalent to the micro-scopic gaze of the drone's camera. This mute world of dumb figures moving about on a screen has particular consequences for how we experience the image.... In the case of the drone strike footage, the lack of synchronic sound renders it a ghostly world in which the figures seem unalive, even before they are killed. The gaze hovers above in silence. The detachment that critics of drone operations worry about comes partially from the silence of the footage.'

Nasser Hussain, 'The sound of terror: phenomenology of a drone strike',

Boston Review 16 October 2013

21 February 2010



'There is a rest area on the way where we stopped to pray. We got out of our cars, men and women. After our prayer, we left. That's when we heard the sound of a plane. But we couldn't see it.'

SECULE 2 - HISSION

05:47 (Sensor): They're praying, they are praying.

05:47 (Jag25): KIRK97 JAG25

05:48 (Pilot): JAG25 just want to confirm that you copied we have about 20 pax dismounted, they are outside the trucks praying at this time and we're 3 1/2 miles from the friendly location.

05:48 (Jag25): Roger good copy, from SOTF, we should have A-10's and OH-58's that are on standby...*garbled*

05:48 (Sensor): A-10's as well, that's consistent with the vehicle capacity, 24-25 people. This is definitely it, this is their force. **Praying? I mean seriously, that's what they do.**

05:48 (MC): They're gonna do something nefarious.

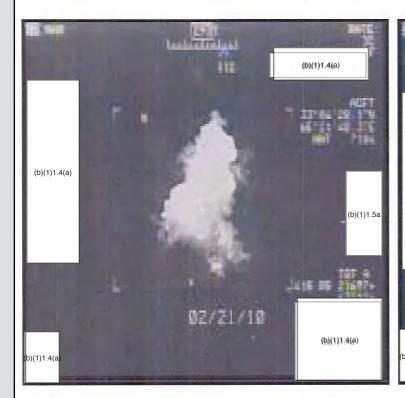


Sensor: Oh sweet target.

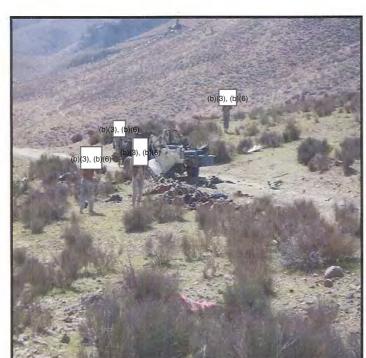


SECRET//REL TO USA, FVEY

21 FEB 2010 CIVCAS IN URUZGAN PROVINCE





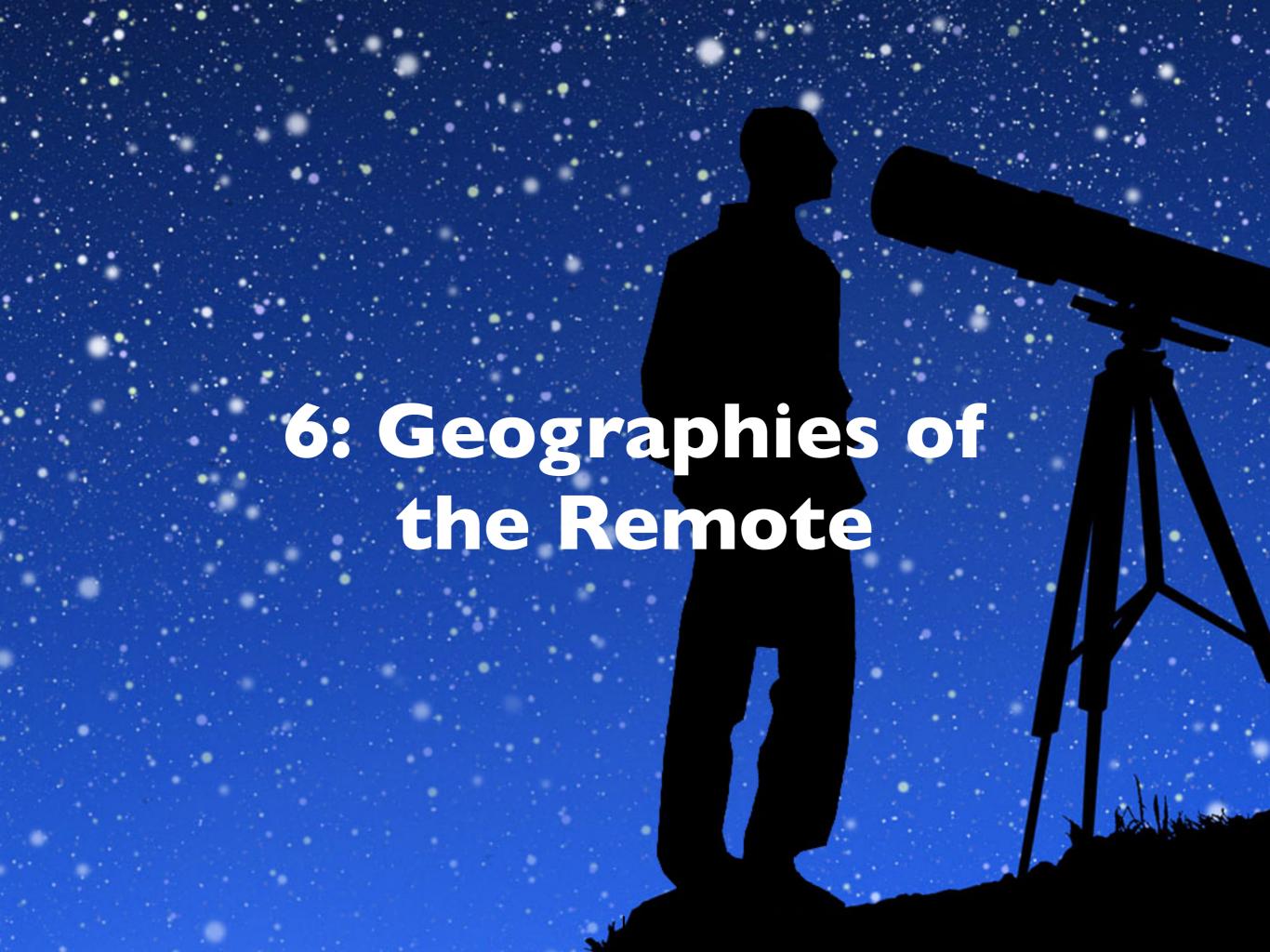




SECRET//REL TO USA. FVEY

800000

15-16 people reported killed; solatia payments made to 21 families; 12 people injured and treated at military hospitals



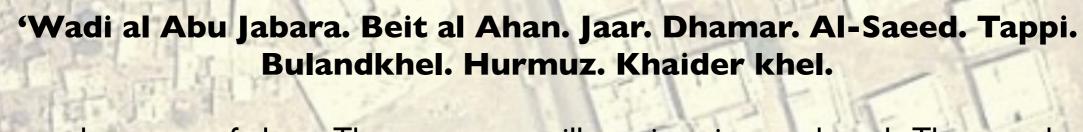


Josh Begley: Drones+ app



'Do we really want to be as connected to our foreign policy as we are to our smart phones? ... which are these increasingly intimate devices, the places where we share pictures of or loved ones and communicate with our friends, the things that we pull out of our pockets when we're lost and which auto-magically put us at the center of the map..... Do we really want these things to be the site of how we experience remote war?'





'These are the names of places. They are towns, villages, junctions and roads. They are the names of places where people live and work, where there are families and schools. They are the names of places in Afghanistan and Yemen, which are linked by one thing: they have each been the location of drone strikes...

'They are the names of places most of us will never see. We do not know these landscapes and we cannot visit them.

'What can reach them are drones, what can see them – if not entirely know the – are drones.'

"... the technology that was supposed to bring us closer together is used to obscure and obfuscate. We use military technologies like GPS and Kinect for work and play; they continue to be used militarily to maim and kill, ever further away and ever less visibly...

'History, like space, is co-produced by us and our technologies: those technologies include satellite mapping, social photo sharing from handheld devices, and fleets of flying death robots. We should engage with them at every level. These are just images of foreign landscapes, still; yet we have got better at immediacy and intimacy online: perhaps we can be better at empathy too.'

'Drone use ... has generated a new disenfranchised class of "targeted" people. Particular inhabitants of Pakistan, Yemen, Somalia, the Occupied Territories ... have become part of a disenfranchised "targeted" class simply because they live in areas in which terror suspects may operate. In such areas anyone and everyone is at risk and daily life is haunted by the spectre of aerial bombardment...'

Lisa Parks, 'Drone media: networked visions of the US Drone War in Pakistan'

'I'm ... really disturbed by the ways in which the burden of making oneself legible to the eyes in the sky is distributed...

The people to whom we're bringing the war have to perform civilian-ness without fail.'

Christiane Wilke, pers. comm., 23 January 2017

Image: National Bird/Sonia Kennebeck

As of today, the peace process will be intensified through war. These are safe bombs, and any fatalities will be minors. The targets are strictly military or civilian. Anomalies may occur, but none out of the ordinary. This release has been prepared by official Stop

First reports indicate a major break through hospital roofs. The bombs were strictly targeted at random personnel. Any errors are a mere blip on the radar screen. Until our aim is achieved we will continue missing. In modern war, mistakes are never made official Stop

We can confirm that many personnel now enjoy peace, underground. Several terrorists have been created overnight. Our smart bombs are subject only to intelligence errors. Certain one-off tragic events will regrettably recur. We anticipate a stepping up of funerals Stop

In another time-zone, the bombs fall unsafely. There are reports of urgent talk under the rubble. Numberless children lie accounted for in morgues. Regrettably, we are unable to offer regrets today. This poem has been subject to certain restrictions. Stop.

'Stop' Blake Morrison

