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SURVEILLANCE

POST-9/11 SECURITY

ISIS LONE WOLVES
ONE IS A DANGEROUS NUMBER

CROSSING THE KREMLIN

ASSASSINS•SYRIA•ISIS•NEW KGB



CHINA'S SPIES

PLAYING WITH RED FIRE

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- COUNTERINTELLIGENCE TRADecraft • A-Z LANGUAGE OF SPIES
- CYBER WHITEHATTERS • NEW INTEL RECRUITERS • SNOWDEN MOVIE

SURVEILLANCE

9/11 15TH ANNIVERSARY SPECIAL REPORT



NEW YORK CITY

Eye Spy Editorial recently examined street level security in this iconic, welcoming but watchful city



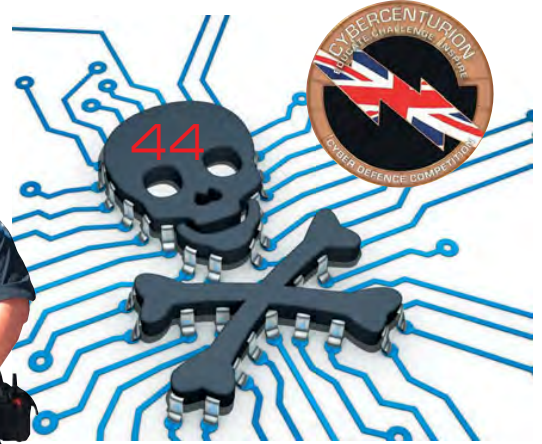
As ISIS/Daesh suffer major fighter losses in Syria and Iraq, the group are turning more and more to an age-old retaliatory trait... the suicide bomber

Eye Spy examines the multi-faceted tradecraft of COUNTERINTELLIGENCE



THE WORLD OF COUNTERINTELLIGENCE

A MAJOR, COMPLEX AND OFTEN MISUNDERSTOOD INTEL ELEMENT



CYBERWARFARE WHITEHATTERS

Emerging cyber talent sought as UK and USA Intelligence forge even closer ties



THE LANGUAGE OF SPIES

Another batch of interesting and sometimes bizarre terms used in the intelligence world



INTELLIGENCE THE NEW RECRUITERS

Terrorism, an emerging second Cold War and multiple conflicts have conspired to force today's intelligence services worldwide to think and operate differently

EYE SPY 105



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The UK Government has blocked a Freedom of Information Act request to secure papers which may hold the identity of another agent of the infamous Cold War Cambridge spy ring

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"The majority of what he took has to do with military secrets and defence secrets. I think that's very much at odds with the narrative that he wants to tell that he is a whistleblower."



Adam Schiff - US Intelligence Committee on Edward Snowden

FIRST WORD

NEW YORK · POST 9/11 SURVEILLANCE AND SECURITY

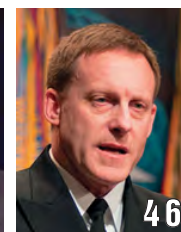


Eye Spy spent a few days in New York City speaking with the men and women who work tirelessly to protect America's most dynamic metropolis. Our visit was planned to coincide with the 15th anniversary of 9/11. From the ferries that traverse the waterways to the tourist hubs dotted throughout Manhattan, security is visibly evident. Unlike some cities in the USA, NYPD and its customised police/counter-terrorism branches have embraced CCTV. Signs identifying active surveillance are evident, so too the presence of pseudo-military-type police units and New York State troopers. Heavy handed? Not in my opinion, and the police alertness and use of technology was most helpful in identifying a character who recently tried to detonate a number of pressure cooker bombs in New York and neighbouring New Jersey.

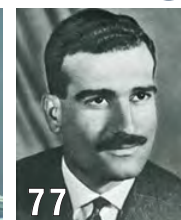
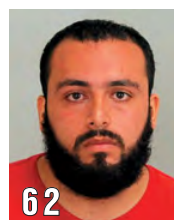
Sadly, whilst technology can be adapted to support and protect great urban areas, the biggest fear continues to be the lone wolf attacker. And whilst the culprit in New York was arrested, police explained that sooner or later a terrorist would gain the advantage. "We can't be everywhere," one CT officer told me. And it's the same situation in other great cities such as London, Paris etc. Nevertheless, CCTV and overt and covert surveillance are very useful deterrents and investigative tools.

Further afield and away from the CT intelligence element, there is growing evidence to suggest Russia's foreign intelligence collection service - SVR - is growing in manpower and prowess. It comes at a time when sources told Eye Spy President Putin is keen to merge at least two major services and "reinvent the KGB." Interesting times ahead.

MARK BIRDSALL, MANAGING EDITOR



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INTELLIGENCE CHOICE

INTELLIGENCE WORLD GROWING APACE

The UK's media recently reported upon MI6's move to recruit around 1,000 additional 'spies'. The term incorrectly used in this case as most will be consumed in work usually performed behind a desk. Nevertheless, from Australia to the Middle East, most intelligence services are expanding. In America, there is much talk of US Cyber Command becoming a separate entity from the NSA [control]. To house more staffers Services need buildings; and some fascinating aerial images have emerged from Russia showing the obvious expansion of the SVR. And this brings us back to MI6. Where are the additional recruits to be housed? The organisation's Vauxhall Cross headquarters are already quite full!



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INTELLIGENCE REVIEW • NEWS • DIGEST

A STRANGE JOURNEY

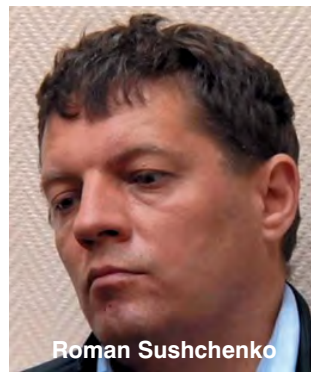
Ukrainian Journalist Arrested by FSB for Espionage

Roman Sushchenko, 47, a correspondent with the Ukrainian national news agency - Ukrinform, was detained on 30 September at Moscow Airport (the first day of a vacation, according to colleagues).

When Mr Sushchenko's wife Anzhela, failed to hear from him, she contacted the Ukrainian Embassy in Russia to report his disappearance.

By sheer chance, the Russian Public Monitoring Commission (PMC) found Sushchenko in the infamous Lefortovo prison.

Zoya Svetova, a member of the PMC said: "We accidentally met Sushchenko in the chamber of the quarantine department of the Lefortovo prison. He explained he was a journalist who has been accused of spying. As to the exact details of his detention and the accusations which he faced, Sushchenko could not tell us."



Roman Sushchenko

NEW RUSSIAN SPY CHIEF

PUTIN ALLY CHOSEN FOR FOREIGN INTELLIGENCE POST

Sergei Naryshkin, Putin's long-time friend and former speaker of Russia's Parliament (Duma), has been appointed head of the country's Foreign Intelligence Service (SVR).

Mr Naryshkin, currently on the US-EU sanctions list, was the President's Chief of Staff 2008-2011 and served alongside Putin in the KGB's First Chief Directorate

in the 1970s; the agency responsible for foreign intelligence that later branched off into a separate service, the SVR.

Naryshkin was also Chairman of the Historical Truth Commission from 2009 until it was dissolved in February 2012. In 2015, he faced an investigation into his doctoral thesis on economics for being fraudulent, with more than half of the text plagiarised from other

publications - accusations he denied.

The new appointment comes amid reports that Mr Putin wants to combine the domestic intelligence service, FSB, and the foreign service, SVR, to create a new Ministry of State Security (MGB), similar to the KGB (Committee of State Security). Dmitry Peskov, Mr Putin's spokesman, did not confirm or deny the reports.

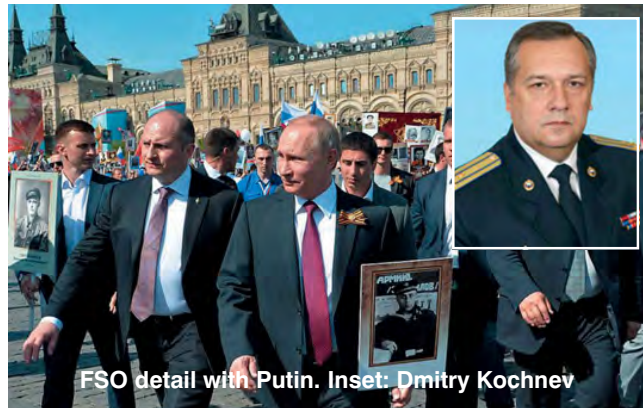


sometimes dubbed the 'Kremlin Guard'. Dmitry Kochnev, of which very little is known, assumed the role earlier this summer. The FSO is a former directorate of the KGB.

Russia has also appointed a new Director of the secretive FSO (Federal Protection Service)



Sergei Naryshkin, new Director of the SVR (Sluzhba Vneshney Razvedki)



FSO detail with Putin. Inset: Dmitry Kochnev



Sushchenko is led to a prison cell by FSB officers

Sushchenko has allegedly been refused any contact with Ukraine's embassy in Moscow.



On 3 October, Russia's Federal Security Service (FSB) released a statement about the arrest and

a video of his detention. The Service claimed Sushchenko was a colonel with Ukrainian military intelligence who was collecting classified data about Russia's armed forces and National Guard.

Ukraine's Information Policy Ministry later confirmed that he has been charged with espionage.

Ukrainian Prime Minister Volodymyr Hroisman (left), said, "Russia has ultimately doomed itself to isolation from the civilized world."

FORMER SAS TROOPER FREED

Early Release for ex-SF Soldier

Albert Patterson, 65, the decorated SAS trooper jailed for keeping a Argentine Army pistol seized during the Falklands War, has been released after serving four months of a fifteen month jail sentence.



The decision to jail Patterson caused uproar in both public and military circles and was widely condemned.

The soldier had retained the weapon as a tribute to several SAS colleagues who died during one operation. It has since transpired he pleaded guilty to save his family the embarrassment of a trial.

Mr Patterson was met at the gates of HM Prison Ranby by his daughter Cheri. He thanked everyone who had supported him - including the many thousands who had signed a UK newspaper's petition.



DUPING THE CIA'S WATCHERS

Two Russians engage with Langley's web site in an effort to secure monies for 'intelligence'

Two young Russian men from the town of Borzi, were detained, interviewed and then released after making contact with the CIA. Observers were puzzled by the low-key reaction of Russia's FSB, believing that such a liaison would have been dealt with by a court. However, when details of the case started to emerge, it became a little clearer why authorities opted not to pursue a prison sentence.

The two Siberian men made contact with Langley via its web site. One e-mail offered intelligence on railroad carriages enroute to the Ukraine, while a more enticing offering concerned the location of Russian missile sites pointing towards America.



A Russian intelligence official explained someone at the CIA "took the bait," and "started to pose questions about the missile batteries." At this stage no reference to money was made, but sources believe this is "exactly what the two characters had in mind."

How the FSB learned of the ongoing exchange is unclear, but an investigative team arrived in Borzi and soon questions aplenty were being asked. It transpired of course, that all the 'intelligence' was bogus and one of the men, known only as Dmitry, admitted he had asked for "good money."

Far from being criticised, the two men were congratulated for fooling the CIA. The editor of *Komsomolskaya Pravda* said the men were the "James Bonds from the depths of Siberia who led the CIA agents up the garden path." Despite all the banter, the FSB warned them not to repeat their actions.



2016. Jeremy Corbyn speaking at a 'Stop Trident' rally in London

MOST STRANGE

LONDON: The leader of Britain's Labour political party, Jeremy Corbyn, has commented about recent news that MI6 has embarked upon the recruitment of up to 1,000 new staffers and operators. Corbyn, a CND member, has already rebuked Britain's stand-alone Trident nuclear deterrent, but his references about the MI6 move have baffled even his closest associates.

Speaking to a BBC journalist, Corbyn said he could not understand why the defence budget is so large, and was unclear why MI6 "wanted to be so much bigger." Critics say he appears oblivious to the threat of terrorism and recent references made by officials in Russia to the possibility of nuclear conflict. (See also page 14).

LANGLEY'S HIDDEN HAND

Newly Declassified: Watergate and the CIA

Former classified documents reveal that one of the Watergate burglars was an active CIA operative

Following the scandal in June 1972, when government operatives broke into the Democratic National Committee headquarters at the Watergate complex in Washington, the CIA produced a 150-page internal report on the affair. A Freedom of Information Act request was submitted several years ago and finally approved for release this year (July). The document contains the most comprehensive account yet of the shadowy role played by the CIA.

It was known at the time that four of the five burglars had CIA connections, but what wasn't known was that one of the men arrested and identified as a CIA



Eugenio R. Martinez today

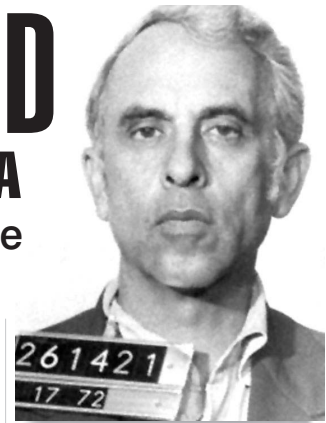
'informant', was actually an active CIA operative.

The agent - dubbed 'Musculito' or 'Little Muscle' was Cuban exile Eugenio R. Martinez. He was on Langley's payroll earning approximately \$600 a month in 'today's' dollars and was involved in the Bay of Pigs invasion. In addition he kept the Agency

updated on the Watergate burglary, his arrest and the subsequent investigation.

The Watergate Special Prosecution Force investigating the scandal contacted the CIA about Martinez but was told it was against its code of practice to turn over an agent and refused to cooperate - even after President Richard Nixon's resignation.

Martinez was convicted of attempted burglary and attempted



Eugenio R. Martinez following his arrest

interception of telephone and other communications and served fifteen months in jail before being pardoned by President Ronald Reagan in 1974.

Mr Martinez, now in his mid-nineties lives in Miami, Florida.



President Nixon



Watergate Hotel in the Watergate Complex, Washington DC

IRAN EXECUTES 'NUC

Details of secret liaison found in Hillary Clinton's e-mails

Authorities in Iran have confirmed that Shahram Amiri, a nuclear scientist who disappeared from Iran in 2009 after telling his family he was going on a pilgrimage to Mecca, has been hanged. Amiri was missing for over a year before reappearing at the Embassy of Pakistan in Washington DC. Thereafter he alleged he was drugged, abducted and "pressured to reveal Iranian nuclear secrets." However, US officials say he was in the country of his own free will and agreed to a payment of five million dollars for information on Iran's nuclear programme. Reports suggest Amiri changed his mind when he feared his family would be harmed and decided to return to Iran without the money.

Eye Spy understands e-mails recovered on then Secretary of State Hillary Clinton's private server reveal that Amiri had been discussed by US State Department officials and referred to as 'our friend'.

Richard Morningstar, former State Department special envoy for Eurasian Energy, wrote to Clinton: *'We should recognise his concerns and frame it in terms of a misunderstanding with no malevolent intent and that we will make sure there is no recurrence. Our friend has to be given a way out. Our person won't be able to do anything anyway. If he has to leave so be it'.*

Senior adviser Jake Sullivan sent another e-mail to Clinton about Amiri on 12 July 2010 just before he appeared at the Pakistan



40-YEAR SECRET



Orlando Letelier

WASHINGTON DC: Newly released CIA documents reveal Langley had sufficient intelligence to conclude former Chilean dictator, Augusto Pinochet, personally ordered the assassination of a leading dissident in 1976.

The Agency believes Pinochet despatched agents to Washington to kill Chile's former Foreign Minister Orlando Letelier. He died in a car bombing on the city's Embassy Row along with colleague Ronni Moffitt.

One document states the CIA had 'convincing evidence'.

U-2 SPY PLANE CRASHES IN CALIFORNIA



An iconic Lockheed U-2 reconnaissance and surveillance aircraft crashed in California in September killing one pilot and injuring a second. Famed for its high-altitude role and Cold War operations, the spy plane was being used in a training mission from its base of operations at Beale AFB near Sacramento. Few details were released but eye witnesses said the aircraft came down near the Sutter Buttes mountain range. Both pilots ejected successfully and their parachutes deployed but Lt. Colonel Ira Eadie, assigned to the 1st Reconnaissance Squadron, was found dead by a search and rescue team.

Thirty three U-2s, often referred to as 'Dragon Lady' are still operational. Military sources believe that the aircraft type, due for replacement by 2021, will continue flying in various roles until at least 2025.



Lt. Colonel Ira Eadie

CLEAR SPY'



Shahram Amiri

embassy: *'The gentleman... has apparently gone to his country's interests section because he is unhappy with how much time it has taken to facilitate his departure. This could lead to problematic news stories in the next 24 hours'.*



Hillary Clinton has survived attempts by political figures to raise the importance of the e-mail scandal

Initially welcomed back in Iran as a hero, Amiri was arrested a few days later at the family home and never seen again. In Tehran he underwent a secret trial and was



Gholam-Hossein Mohseni-Eje'i

convicted of treason. Iran's first deputy chief justice and former Minister of Intelligence, Gholam-Hossein Mohseni-Eje'i, stated that Amiri had been executed by hanging because he had endangered the Islamic Republic by giving "vital intelligence about the country to the enemy."

BAD TIMING

News that Amiri did have a liaison with US officials, as revealed in the e-mails, comes at a particularly sensitive time for Hillary Clinton - this as she hopes to become President. For just as damaging, the ongoing FBI probe examining her use of a private

'E-MAILGATE'



Dubbed 'E-mailGate' many intel watchers in the USA believe FBI Director James Comey's investigation into Hillary Clinton's e-mail usage is deeply flawed

server, has now come across electronic correspondence with President Obama. Incredibly, Mr Obama used a pseudonym or codename in some exchanges with Clinton when she was Secretary of State.

Whilst the FBI has certainly uncovered hundreds of breaches of protocol, Director James Comey opted not to pursue the affair, describing her actions as "careless not criminal."



Embassy of Pakistan, Washington DC

NEW FILMS WITH INTELLIGENCE THREADS DIVIDE OPINION

HEROES AND VILLAINS

Oliver Stone's new movie, 'Snowden', the story of NSA leaker Edward Snowden, opened to mixed reviews in the US and Canada but received a ringing endorsement from an expected source... Russia

Dmitry Peskov, President Putin's press secretary, gave Stone's film a rave review for its "brilliant script and accuracy." The Kremlin staffer said: "It is nearly a documentary... this is an excellent opportunity for everyone to learn what actually happened. It's a must-see."

The Russian movie version opened simultaneously with the US release but is four minutes longer in length - what's in those four minutes is unclear. However, what is known, is the movie's genesis can be attributed to a

novel written by Snowden's Russian solicitor Anatoly Kucherena, entitled, *Time of the Octopus*, about a fictional whistleblower and his struggles against 'tyranny.'

Stone bought the rights for \$1,000,000 and



Dmitry Peskov

paid *Guardian* journalist Luke Harding another \$700,000 for the rights to *The Snowden Files*. Mr Stone said he bought the rights to the book to get regular access to Edward Snowden in Russia and that he didn't use the material. "We bought it because we did get good access to Ed, he had to be brought along," Stone told the *New York Times*.

'Snowden', starring Joseph Gordon Levitt as the exiled NSA/CIA contractor, was released on 16 September and projected to gross \$10 million in its opening weekend. It only grossed \$8 million ranking 4th in the ratings - the lowest opening of Oliver Stone's career for a film playing in over 2,000 theatres. Presumably it did much better in Moscow.



© GAGE SKIDMORE

Above: Actor Gordon-Levitt and producer Oliver Stone (below) at the San Diego Comic-Con International promoting the movie 'Snowden'



Time of the Octopus by Snowden's Russian solicitor Anatoly Kucherena



© GAGE SKIDMORE

A Gross Mischaracterisation

Former NSA Deputy Director Critical of Film

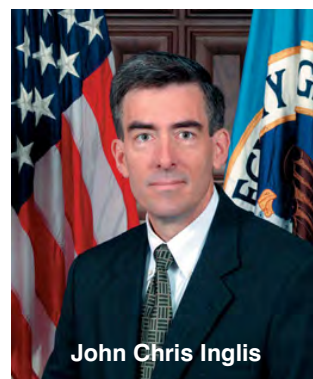
John Chris Inglis, former deputy director at NSA who retired in 2014 after 28 years at the Agency, has criticised the 'Snowden' movie. "The film's narrative was a gross mischaracterisation of what NSA's purposes are and a gross exaggeration of Edward Snowden's own particular role in

that," said Mr Inglis. "To the point where you could come away from looking at that movie, saying, 'why are 50,000 people at the NSA dead wrong? And one is absolutely correct?'"

An NSA deputy director does feature in the film, played by Patrick Joseph Byrnes, and

commissions Snowden to lead an important project in Hawaii. Inglis says he and Snowden never met and called the scene "preposterous for many reasons." Inglis explained: "That a deputy director would reach down to a contractor who is performing an important but relatively low-level function - asks them to take on a Jason Bourne-like activity? It simply exceeds all propriety."

Inglis was concerned what film goers would draw from Stone's 'Snowden', especially the motives of the NSA and its employees. He further puzzled with its billing as 'a dramatisation of actual events'. "Dramatisation to me means you add the occasional exclamation point," said Inglis. "You bring in a



John Chris Inglis

musician to perhaps add some background music. But you don't tell a story that is fiction."

Inglis highlighted one scene in which Snowden completes an aptitude test that usually takes five hours. This was performed in just 38 minutes. "Clearly Snowden is a clever person. But NSA makes a habit of hiring smart people. Extremely smart people. Also principled people. So he was clearly the former; turns out he wasn't the latter."



Mr Inglis swears in NSA staffers

ANTHROPOID

THE SECRET WARTIME OPERATION TO ASSASSINATE THE 'BUTCHER OF PRAGUE'

Another intelligence-themed movie released this summer is 'Anthropoid' - the name taken from Operation Anthropoid. This mission resulted in the assassination of leading Nazi Reinhard Heydrich by British-trained SOE (Special Operations Executive) Czech agents in 1942. A deeply moving and extremely well-researched wartime film, the production captures the essence, mood and chilling sense of uncertainty of German-occupied Prague.



Heydrich, known as the 'Butcher of Prague' for his extreme brutality, was the Nazi's Protectorate of Bohemia and Moravia. He was responsible for introducing the policy which resulted in the murder of an estimated two million people, including 1.3 million Jews. After his death the

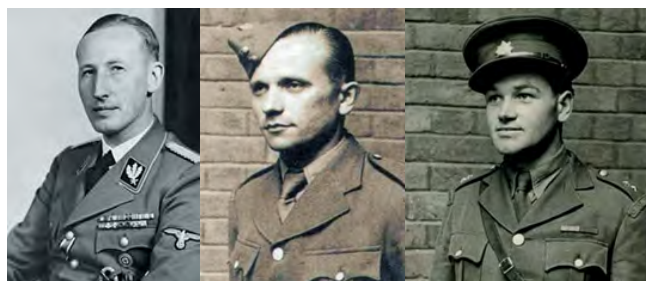


Germans ordered the killing of all males over 16-years-old in the villages of Lidice and Lezaky. This was because information had been acquired which led the Nazis to believe the agents were born there. This, however, was not the case. Other repercussions followed.

Directed by Sean Ellis, who spent 15 years researching the Prague operation, the film stars Cillian Murphy as agent Jozef Gabcik and

Jamie Dornan as agent Jan Kubis. Variety.com reported that the audience who first saw the picture at the Karlov Vary Film Festival "fought back the tears."

EDITOR'S NOTE: 'Anthropoid' is definitely worth seeing and sits well with other wartime classic espionage works. Eye Spy revealed the actual wall where the agents' identity photographs were taken in London still exists (see photos of Gabcik and Kubis).



L-R: Reinhard Heydrich, Jozef Gabcik and Jan Kubis



“Comrade Wolf knows who to eat and is not about to listen to anyone...”



THE NEW RECRU

INTERNATIONAL INTEL SERVICES - CHANGES AHEAD

Terrorism, an emerging second Cold War and multiple conflicts have conspired to force today's intelligence services worldwide to think and operate differently

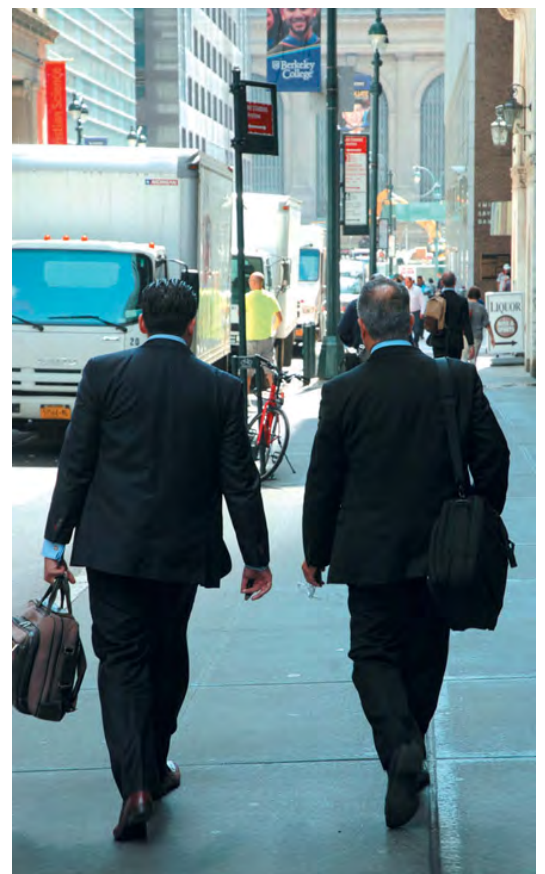
The changing nature of war, terrorism and technology, along with shifts in political environments worldwide, has resulted in intelligence agencies restructuring, and in many cases expanding to meet the new threats - and sadly, some old threats. These changes have caused a domino effect throughout the world and many agencies are adopting a policy of 'offensive defence'.

Russian President Vladimir Putin recently announced his intention to resurrect the former KGB and massively overhaul the security forces. The man who famously commented: "There is no such thing as a former KGB man," also said "Comrade Wolf knows who to eat... as the saying goes. It knows who to eat and is not about to listen to anyone."

So it's little wonder that American and British intelligence agencies are diverting resources to their Russia Desks at levels not seen since the Cold War. In the USA, under James Clapper's watchful eye, the Office of the Director of National Intelligence (ODNI) has now moved Russia up the list of intelligence priorities for the first time since the Soviet Union's collapse in 1991.

SVR - WOOD TO FOREST

The SVR's state-of-the art complex in Yasenevo, Moscow, referred to by Russian Intelligence as 'The Forest' has doubled or possibly tripled in size over the last nine years as evidenced by recent satellite imagery. This probably stems from Putin's call in 2010 to the Service to step-up its spying activities, especially against the West.





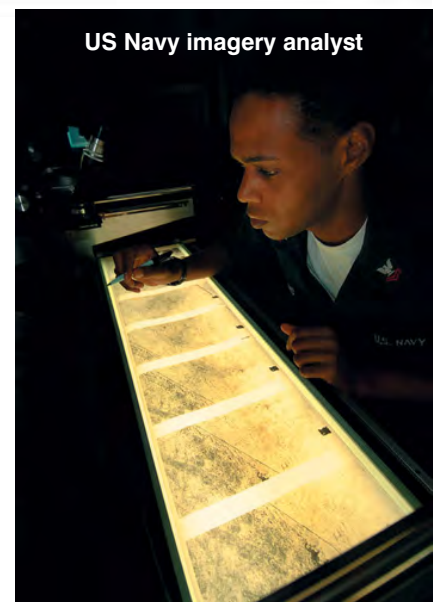
Officers from an overseas government agency are briefed by a US intel and security trainer

Like its predecessor, the First Chief Directorate or First Main Directorate of the KGB, the SVR maintains the same mission focus - to collect outside secrets and pass the intelligence to the President. The First Chief Directorate was located at the Lubyanka building in Moscow's

The recent images, compiled by former CIA analyst Allen Thomson, clearly show the extent of expansion. The original headquarters consisted of a Y-shaped building next to a 21-storey building; the new images show the addition of at least four buildings with the nearby parking facility quadrupling in size. This is an obvious sign of additional staffers and activity.

Insiders believe the expansion was the brainchild of just retired Mikhail Fradkov. A former diplomat and prime minister from 2004-2007, he was appointed Director of the SVR in 2007. His successor is Sergei Naryshkin (see page 04).

Some intelligence sources believe Fradkov is a rumoured successor to Vladimir Putin; however, other sources say Fradkov was replaced on Putin's orders. ➤



US Navy imagery analyst

ITERS

D. Anne Kohl

Meshchansky District, but began a decade long transition to the new site in the early 1970s.

IMINT - IMAGERY INTELLIGENCE

Left: Satellite photograph of SVR headquarters car park in 2007 and an image taken in 2016 (right)



CSE HEADQUARTERS, CANADA



Right: The new Communications Security Establishment (CSE), headquarters in Ottawa. The futuristic design is a world away from its previous headquarters (Sir Leonard Tilley Building - above), also in Ottawa. Some critics of the new build have complained about its one billion C\$ cost - making it the costliest government building ever in Canada



One of Fradkov's intelligence officers and friends was Colonel Shcherbakov. He allegedly betrayed the SVR spy ring operating on the eastern seaboard of the United States in 2010, before reportedly defecting to the United States. Shcherbakov's daughter worked in the US for *Kommersant*, which broke the story. Intelligence sources at the time, some emanating from inside Russia and seemingly backed by the Kremlin, said, "an assassination squad had been despatched to find and eliminate Shcherbakov."



US Defense Secretary Ash Carter pictured at Bagram, Afghanistan. Mr Carter recently accused Russia of "nuclear saber-rattling" whilst issuing a guarded threat: "Moscow is going back in time. We do not seek a cold, let alone hot war with Russia. We do not seek to make Russia an enemy. But make no mistake, we will defend our allies."

WORLDWIDE CHANGE

Britain's Government Communications Headquarters (GCHQ) has hired hundreds of people in its expansion; many were recruited through social media or marketing programmes. In November 2015, then Prime Minister David Cameron, pledged 1,900 new spies and major investment in all the UK's security services. MI6 has launched an extensive recruitment campaign and has used social media and even 'Mumsnet' to attract new female staffers. MI5's webpage listed a 1600-word job posting looking for '*applicants who were British, bright, discreet and fluent in Russian*'.

A report released by the Office of the Commissioner of the Communications Security Establishment (CSE) in Canada states that the volume of communications that were intercepted by Canada's primary spy agency has increased more than 26 times since 2014.

CSIS, the Canadian Security Intelligence Service; a service that had a reputation for being overly secret, recently

joined Twitter and like their British counterparts are actively recruiting via social media.

Relevant to its increasing workload, CSE has been in the news of late - criticised for the amount of money spent on its new headquarters in Ottawa. Adjacent to CSIS, the CSE building comprises of 110,000 square metres of space and cost over one billion Canadian dollars. This makes it the most costly government building ever built in Canadian history.



Stepping down - SVR Director Mikhail Fradkov



**Head of CSE
Greta Bossenmaier**



SVR headquarters, Moscow. The site has expanded considerably in the last few years

a recent podcast Australia's Prime Minister Malcolm Turnbull spoke about cyber security policy, cyber security developments in the Asia-Pacific, and common challenges and opportunities for US-Australia partnership in securing the digital infrastructures.

In New Zealand, proposed government security changes include recommendations that have been made for a single law governing the Security Intelligence Service (SIS) and the Government Communications Security Bureau (GCSB) to allow the agencies to work more effectively together.

In France, Bernard Barbier, former director of the technical division of the General Directorate for External Security (DGSE), France's external intelligence agency, admitted during a symposium that France engages in offensive cyber operations. He spoke candidly about France's 'cyber army', and its teams of hackers that were created in 1992. The DGSE



Michael Keenan



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Intelligence Officers



Recruiter: M16 The Secret Intelligence Service
Location: London
Salary: £Competitive
Posted: 21 Oct 2015
Closes: 20 Nov 2015
Category: Public Sector
Contract Type: Permanent
Hours: Full Time

In Australia, the government launched the Australian Criminal Intelligence Commission (ACIC), an agency structured to combat any threat to national security. Australia's Justice Minister, Michael Keenan, said the agency would work with Australia's existing counter-

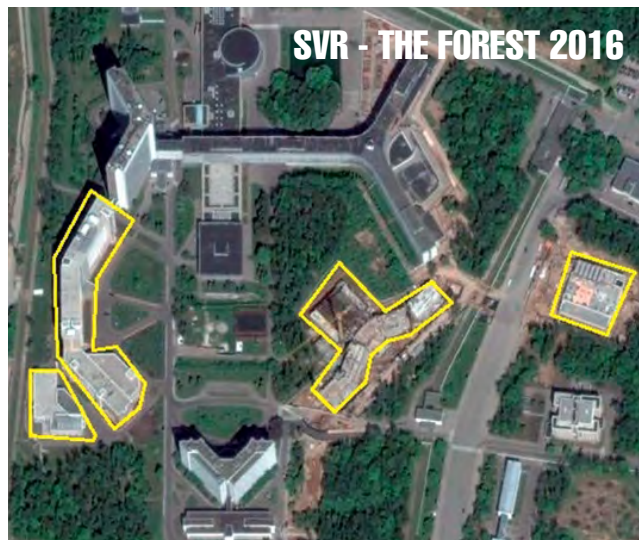
intelligence bodies to ensure Australia has the resources to "keep our communities safe." In

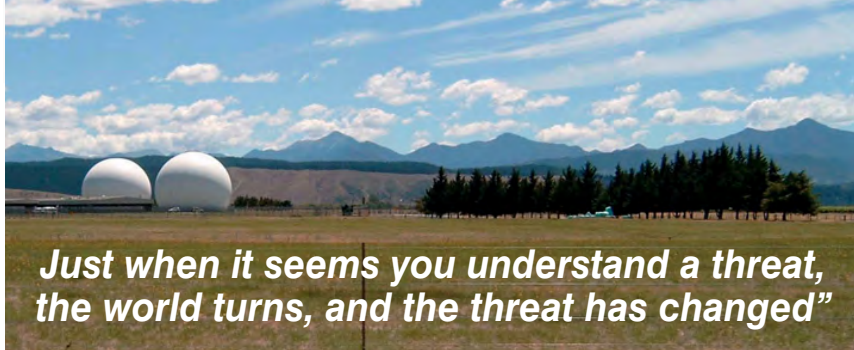


Germany's new Bundesnachrichtendienst (BND) headquarters in Berlin are extensive



Photographic interpretation and the understanding of structures can be a formidable task. However, it wasn't too difficult to see what was happening in and around Russia's SVR 'The Forest'. Besides the hugely expanded car parks, satellite imagery taken this year compared with 2007, shows several new buildings. Together the data suggests a major enlargement of Russia's foreign intelligence collection agency which is sited in Yasenevo, Moscow





Just when it seems you understand a threat, the world turns, and the threat has changed"

FIVE EYES: New Zealand GCSB facility at Waihopai



Former DGSE officer Bernard Barbier

has increased its annual budget to over half-a-billion Euros and hired hundreds of young hackers. Barbier revealed in the interview that France targeted Iran in 2009, but interestingly, has also directed operations against Canada, Ivory Coast, Algeria, Norway, Spain and Greece. He said that France needs to do more and the DGSE's technical division needed 200-300 additional staff members. In May, the Service sponsored a school competition to find new codebreakers.

In Germany, the Bundesnachrichtendienst (BND) celebrated its 60th anniversary with a



move from its Munich suburb to a new office in Berlin which will be the biggest, most expensive post-war building Germany has ever built. The country has placed more emphasis on the Agency and the new billion-euro facility will have the equivalent of 35 football pitches worth of office space and 14,000 windows for the newly enlarged organisation.

THE FUTURE

Less than two years ago, former Director of the FBI, Robert S. Mueller, said: "Surveying today's threats is somewhat like peering into a kaleidoscope, where even the slightest rotation creates new patterns of colour and light. Just when it seems you understand a threat, the world turns, and the threat has changed."

Globalisation and evolving technology has created essentially a level playing field for the world and nations are engaging like never before - both friend and foe. No single nation can defeat the threats alone, and intelligence agencies must continue to evolve, cooperate and prepare... because the harsh reality is, terrorists, spies and hackers will.



Estonian Special Forces. There has been much speculation lately of another incursion by Russian forces into Eastern Europe and the Baltics



Codebreaking conundrum set in France

HORIZON THREATS



MI6 Chief Alex Younger speaks at the event

WASHINGTON: The CIA and George Washington University recently co-hosted a public conference on national security entitled, 'The Ethos and the Profession of Intelligence: Looking Over the Horizon'. The conference discussed long-term challenges that senior intelligence officers said would affect intelligence agencies in the future.

One of the many panels 'A View From Foreign Intelligence', was moderated by CIA Director John Brennan. The panelists included Alex Younger, MI6 Chief, Mohammad Masoom Stanekzai, Director-General, Afghan National Directorate of Security and Nick Warner, Director-General, Australian Secret Intelligence Service (ASIS).

Mr Younger said: "The information revolution fundamentally changes our operating environment. In five years time there will be two sorts of intelligence services - those that understand this fact and have prospered, and those that don't and haven't. And I'm determined that MI6 will be in the former category." He went on to say that "ISIS posed a persistent threat that is set to last a professional lifetime."

The conference coincided with news that MI6 is set to recruit a further 1,000 employees. This however, was revealed several months ago.



NOTES: ISIS/DAESH



Twelve Months of Mayhem

Eye Spy examines another spate of ISIS attacks outside the primary war theatres of Syria and Iraq which could be directed by a little known 'intelligence cell'

There are few military and intelligence chiefs who discount the conclusion that ISIS, as a pseudo-military force, will eventually be defeated in Syria and Iraq.

As reported in Eye Spy 104, there are signs that a significant number of terrorists are now seeking new pastures, as Alliance forces continue to retake towns and cities once occupied by the group. This has not gone unnoticed by the intelligence world, indeed, FBI Director James Comey recently issued a stark warning: "At some point there is going to be a terrorist diaspora out of Syria like we've never seen before. We saw the future of this threat in Brussels and Paris." Comey warned that attacks will be of an even "greater magnitude." He also reflected on the exodus of terrorists who departed Afghanistan, and



John Brennan

the border with Turkey appeared in the press. These were taken by a miniature UAV controlled by Syrian Democratic Forces (SDF), preparing to retake the city.

The US intelligence man was supported by CIA Director John Brennan, who added, "as pressure mounts on ISIS, we judge that it will

said that the situation in Syria is far worse. Indeed, just weeks after making his comments, images of a large column of ISIS vehicles fleeing the northern Syrian city of Manjib towards



Deceased ISIS chief Abu Muhammad al-Adani

intensify its global terror campaign to maintain its dominance of the global terrorism agenda."

Speaking of the likelihood of an attack in Britain, retiring New Scotland Yard Commissioner Sir Bernard Hogan-Howe insisted everything that could be done is being done, but that an attack will occur sooner or later: "Our threat level has been at SEVERE for two years. It remains there... it means an attack is highly likely. You could say it is a case of when, not if." He also referenced the NSY liaison with MI5 and MI6 as a "world beater," and that the UK's ultra-tight gun control laws are advantageous. ➤

Main image: August 2016. F/A-18E Super Hornet launches from the US Navy aircraft carrier USS Dwight D. Eisenhower in the Arabian Gulf



FBI Director James Comey

“At some point there is going to be a terrorist diaspora out of Syria like we’ve never seen before...”

FBI Director James Comey

LONE WOLF ATTACKS

The CIA and FBI chiefs recently spoke at security conferences warning that as ISIS becomes splintered, the world is likely to see more lone wolf or small cell attacks.

This is aptly evidenced by a bloody summer of attacks in Europe and beyond. On 14 July in Nice, France, Mohamed Bouhlel, a crazed ISIS supporter drove his lorry on the pavement and road paralleling the Promenade des Anglais on Bastille Day - the country’s national holiday. Eighty-four people were killed and a further 300 injured. The terrorist was shot dead. On 19 July, a 17-year-old Afghanistan refugee attacked several people on a train near Wurzburg, Germany. Riaz Khan Ahmadzai pledged his allegiance to ISIS as he struck



Mohamed Bouhlel

with a knife and axe. He was later shot dead by German police. Several people had a lucky escape in Ansbach, Germany, when a suicide bomber blew himself up outside a wine



Such sentiments are being repeated across Europe by security officials who recognise 100% protection is impossible.

Sir Bernard spoke shortly after it was announced hundreds more police officers in the capital are being trained to use firearms. This will see a marked rise from around 600 to nearly 3,000.

June 2016. USS Harry S. Truman passes through the Suez Canal to engage with the 5th Fleet targeting ISIS strongholds

bar. Mohammad Daleel, 27, a Syrian refugee, also left material which linked him to ISIS.

Another incident in France on 26 July later caused world outrage. ISIS followers Adel Kermiche, 19, and Abdel Malik Petitjean also 19, entered a church in Saint-Etienne-du-Rouvray in Normandy wearing fake suicide bomb vests. After taking a small number of people hostage, including a nun, they duly murdered 85-year-old priest Jacques Hamel. The two men, who had prepared a video in which they pledged their allegiance to ISIS,





Far left: US Secretary of State John Kerry speaks to a bugler after laying flowers at the Luxembourg Monument of Remembrance. Mr Kerry paid his respects to those who died in the Nice attack which killed over 80 people and injured more than 400. Left: An almost surreal scene as tourists walk past an improvised memorial and enjoy the beach just days after the attack



Little has been heard of ISIS leader Abu Bakr al-Baghdadi for several months - this as rumours about his demise following an Alliance airstrike persist

'To our followers everywhere - use baseball bats, power drills, hypodermic syringes and screwdrivers...'

were shot dead by French counter-terrorism troops as they left the church.

What is particularly worrying about this attack, is that French Intelligence were aware of the links between the attackers and ISIS. Abdel Malik Petitjean was already on a 'person of interest' (France's S-List) list because of his support for jihad. Though he donned an electronic tag, this was not active when the attack took place. And just four days before the incident a photo of Petitjean had been received by the country's domestic intelli-

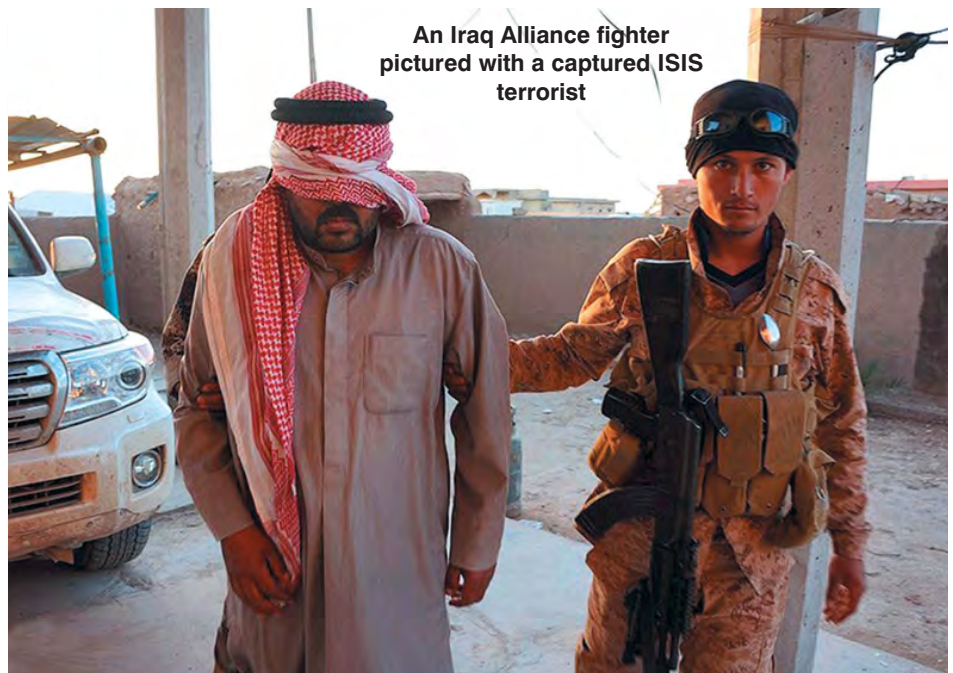
gence agency with a note warning of a possible attack. Though unconfirmed, part of it supposedly read: 'He is in France... preparing to attack or with others' - though it did not name Petitjean. From whence that note and image came is unclear.

The terror group has never been shy to utilise media platforms in its propaganda productions, thus it was no surprise when another video surfaced in August. Some 20 minutes long, the commentator urged ISIS followers around the world to stay at home and carry

out attacks. However, in this case there was no discussion on customised explosives, weaponry, planning and targets... just 'household improvisation': 'Use baseball bats, power drills, hypodermic syringes and screwdrivers'. There then followed several incidents, including an attempt by a lone wolf attacker, 18, in Indonesia who tried to detonate a body-worn bomb during a church service. After the device failed, he duly attacked priest Albert Pandiangan with an axe. An image of an ISIS flag was discovered on his cell phone. In Virginia, USA, Wasil Farooqui, 20, attacked



Albert Pandiangan



An Iraq Alliance fighter pictured with a captured ISIS terrorist

ISIS LOSE CONTROL OF THE 'STRIP'

Terrorist group departs strategically important towns on Syria-Turkey border as Turkish and Alliance fighters make gains



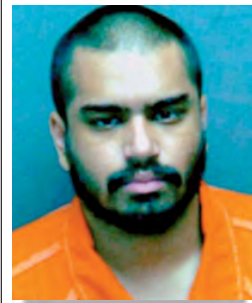
Turkey's Prime Minister Binali Yildirim examines a map of the region

ANKARA: The images below show ISIS terrorists departing the northern Syrian city of Manjib. Analysts believed this group headed north towards an area of the border with Turkey still under ISIS control. However, just weeks later Free Syrian Army (FSA) fighters backed by Turkish and Alliance forces retook virtually the entire strip of land separating the countries.

Two other ISIS occupied towns also collapsed; Jarablus and Azaz formed a strategically important line on the border north of Aleppo used by ISIS to distribute weapons, supplies, monies and support training.

"Thank God today, from Azaz to Jarablus our 91km of borderline with Syria has been entirely secured," said Turkey's Prime Minister Binali Yildirim.

The CIA believe the loss of the 'strip' is a severe blow to ISIS. However, the situation is compounded by the fact that Turkey regards the Syrian Kurdish YPG militia, whose fighters have also engaged ISIS in the northern region of Syria, as a terrorist group. The YPG is backed by the US-led Alliance.



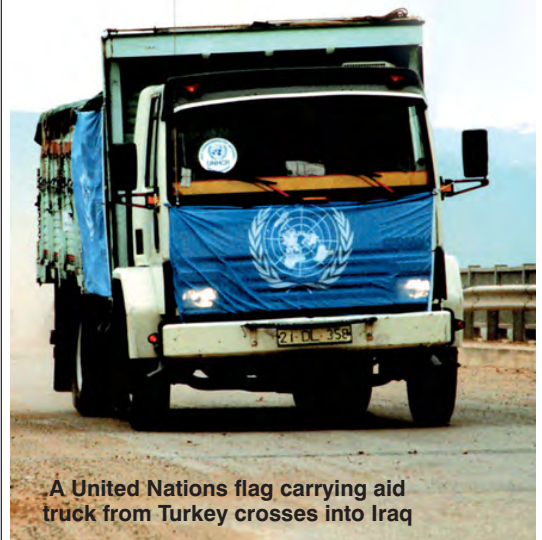
Wasil Farooqui

two people with a knife whilst shouting "Allahu Akbar." The authorities are treating the stabbing and attempted beheading as a possible terrorist inspired attack.

Meanwhile in London, authorities have charged 19-year-old Brustchom Ziamani, with engaging in conduct in preparation of terrorist acts. Ziamani, who Eye Spy believes was being surveilled by MI5, was stopped by counter-terrorism officers in the city on 19 August 2015. He was carrying a hammer and knife wrapped in an ISIS flag. Electronic material recovered from Ziamani's residence revealed he had been studying the location of UK military sites in the capital. This led analysts to believe he was planning an attack similar to that on trooper Lee Rigby near the Royal Artillery Barracks in southeast London in 2013. Ziamani had previously described one of Rigby's killers as a "legend."



4.8 million people have registered as Syrian refugees. Sadly ISIS has used the crisis to infiltrate operatives into nations by manufacturing bogus passports and creating new identities



A United Nations flag carrying aid truck from Turkey crosses into Iraq



USS Anzio passes through the Suez Canal to engage with Operation Inherent Resolve



ISIS IED FACTORY DESTROYED

Described as the biggest airstrike this year, an Alliance operation targeted a massive Daesh IED-making factory south of Mosul, Iraq on 25 August 2016. Various air forces participated in the raid which also destroyed several vehicles packed with explosives and readied for suicide missions



Dahir Ahmed Adan

On 17 September another lone wolf attack linked to ISIS took place in a shopping mall in St. Cloud, Minnesota. A man dressed as a security guard launched a knife attack wounding ten people. He was bravely confronted by off-duty police officer Jason Falconer who shot him dead.

ISIS soon declared the attacker was one of its own. The group's 'Amaq News Agency' released a statement: 'The executor of the stabbing attacks in Minnesota was a soldier of the Islamic State'. For



Jason Falconer

its part the FBI called the attack a 'terror incident'. The knifeman was later named as 22-year-old Dahir Ahmed Adan from Somalia. Earlier this summer, around nine Somalis in the state were convicted of various ISIS-related charges, including an attempt to travel to Syria to join the group.

The 'single person operation' scenario is of great concern to the intelligence world, ➤

EMNI - THE ISIS 'INTEL' CELL Defectors Confirm Existence of 'Terror Export Arm'

The death of ISIS 'spokesman' Abu Muhammad al-Adnani in August, in the short term at least, will impact on the terror group's so-called 'Emni' section. Intelligence watchers believe Emni is connected to overseas operations and directed and organised recent attacks in Belgium, France, Tunisia and elsewhere. Some intelligence officials have referred to it as an intelligence arm, external operations branch and secret service.

Several defectors from ISIS have informed the authorities of the existence of Emni. Indeed, as early as 2014 officials were satisfied that a special and well organised branch of the group was responsible for exporting terrorism.

Emni is also central to recruiting foreign nationals within and outside the Middle East. The CIA consider the operatives as ' sleeper cells ', whilst noting others are ' clean skins ' with no previous history of violence. The intelligence secured by the Agency has been shared and has already prompted some agencies to act

in pre-emptive raids. Other suspects are under surveillance.

Analysts believe a number of recent lone wolf attacks can also be traced back to Emni. So too various 'dark

web' recruitment and radicalisation videos. Here there are messages about how to exploit gun laws in some US states, whilst others show the construction of improved explosive devices. There is guidance on travel and how to gain access to overseas countries. Whilst this is the covert product of Emni, other social networks (freely accessible to any user) contain materials which contain little more than recruitment information and propaganda.

It remains to be seen if the death of Adnani will see the collapse of Emni.



Abu Muhammad al-Adnani

ISIS RADIO STATION BOMBED

A major targeted bombing raid by Iraq and Alliance warplanes has destroyed a key ISIS radio station in Mosul. Used to broadcast propaganda and spread extremist ideology for three years, the Al-Bayan station was struck several times in a ferocious raid - this as Alliance forces prepare to retake the city.



"They used the airwaves to broadcast Islamic anthems to encourage people to join the group," an Iraq military official said.

Interestingly, the raid occurred in late September just days after the station's chief Abu Yaman al-Iraqi disappeared along with his family.

“The use of bogus passports and identity papers is not just confined to Europe and the Middle East”



and sadly, very difficult to stop. Intelligence sources told Eye Spy ISIS is urging its followers to launch such attacks in an attempt to mask its defeats in Iraq and Syria. In relation to this, EUROPOL

Director Rob Wainwright (above) warned that ISIS has taken a ‘strategic decision’ to despatch increasing numbers of its Syrian-based fighters to Europe to perpetrate attacks whilst augmenting and planning similar operations as seen in Paris and Brussels. EUROPOL is but one security body amongst dozens which has secured evidence that hundreds of ISIS operatives have entered Europe posing as refugees. Even more have passed through the continent’s porous borders using new identities augmented by a factory discovered in Greece producing bogus

passports. The scale of the production of such documents has been described as ‘industrial’ by Europol.

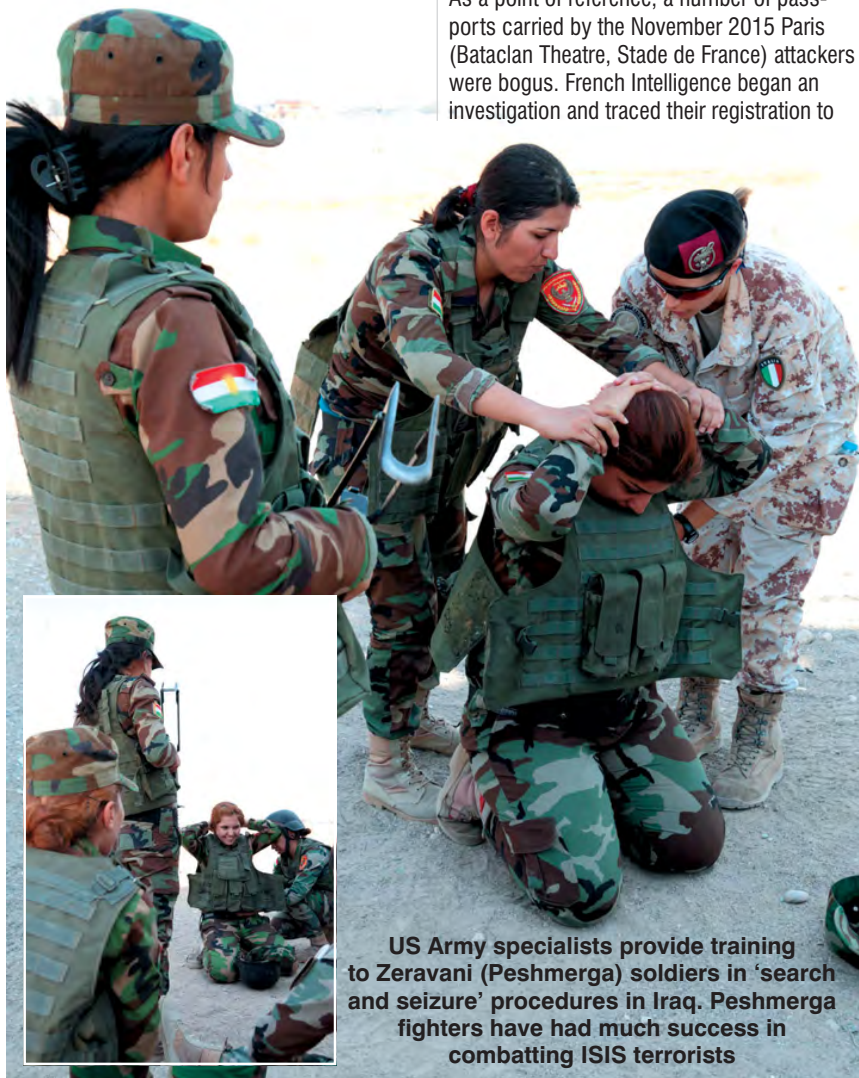
There is much intelligence to suggest ISIS has infiltrated refugee reception centres in Greece and the Balkans. Here a new assembly of 200 specialist and counter-terrorism officers are being deployed to identify and stop ISIS followers entering Europe. Whilst the endeavour has been welcomed by the intelligence world in general, many believe the move is far too late. An insight into the scale of ISIS counter-measures currently underway can be measured by some interesting statistics issued by EUROPOL. At present, more than 50 major counter-terrorism investigations/operations are ongoing in various parts of Europe. This figure does not include hundreds of covert surveillance operations. And hundreds of operations are active to thwart the movement of firearms across Europe (including some destined for Britain).

As a point of reference, a number of passports carried by the November 2015 Paris (Bataclan Theatre, Stade de France) attackers were bogus. French Intelligence began an investigation and traced their registration to

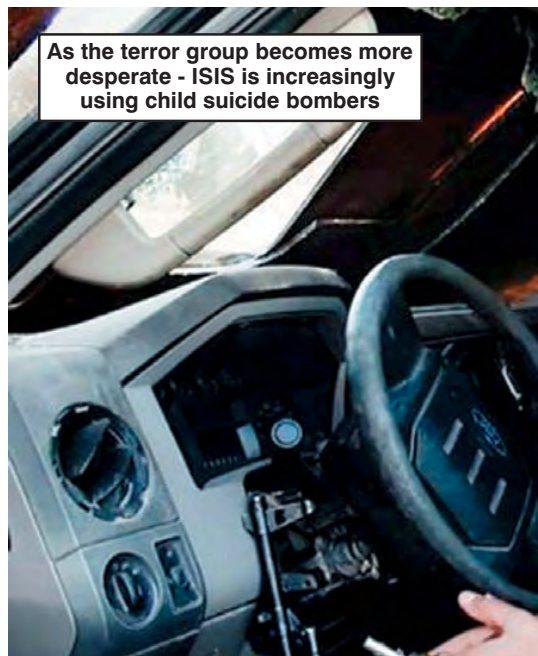


French police traced bogus passport ruse to Greece

the Greek island of Leros. The terrorists had been processed as refugees. Henceforth, a special team with representatives from various intelligence agencies including MI6, focussed its attention on the Greece stopping point. A US Homeland Security Investigations intelligence report published last year, contained information that the problem is not just associated with Europe and the Middle East; several individuals issued with bogus passports in Greece tried to gain access to the United States.



US Army specialists provide training to Zeravani (Peshmerga) soldiers in ‘search and seizure’ procedures in Iraq. Peshmerga fighters have had much success in combatting ISIS terrorists



As the terror group becomes more desperate - ISIS is increasingly using child suicide bombers



ISIS - as a military force - is losing its ability to travel across large land areas

DAESH TURNING MORE AND MORE TO... CHILD MANCHURIAN CANDIDATES

The terror group is increasingly using children to act as bomb carriers. A boy wearing a bomb vest aged between 12 and 14 walked amongst guests celebrating a wedding in the Turkish city of Gaziantep on 21 August. The device, packed with high explosives, duly exploded killing over 50 people. Intelligence officials believe the bomb was engaged by remote control. Just hours earlier, footage emerged of an ISIS child suicide bomber who was thwarted by Iraqi security forces as he attempted to blow himself up outside a mosque. On the same day, another young bomber, named as Abu al-Bara's al-Ansari blew himself up outside a mosque in Kirkuk. No one but the attacker died in this case. In March, a teenage boy blew himself up at a youth football match in a stadium south of Baghdad. As officials were handing out medals to the players, the young man detonated his bomb killing 29 people - most of them children.

ISIS has also turned to children to carry bombs in Yemen. In the conflict, where a Saudi-led Coalition has been fighting al-Qaida and trying to normalise life, a young bomber struck in March in the port of Mukalla. The attack occurred just days after the terror group were forced to flee. The resultant explosion killed 47 people. The bombing followed an incident just days earlier when a suicide bomber struck killing 41 police recruits in the same city.

These case files represent just a small number of incidents reported by government agencies and monitoring groups this year. "As ISIS continues to lose ground, attacks using ill-advised and easily brainwashed children are becoming more prevalent," an Eye Spy security source based in the Middle East said: "In days gone by, security services and police were unlikely to pay too much attention to a roaming youngster, but this is changing.



Abu al-Bara's al-Ansari



Iraq police foil child suicide child bomber

More and more propaganda footage showing children shooting victims and carrying out acts of violence is being output by ISIS in an effort to induce and convince kids this is normal."

In January 2015, ISIS released a graphic image of a boy, identified as Abu al-Hassan al-Shami, (aged between 12 and 14), behind the wheel of truck. He is carrying a hand grenade and wearing a suicide bomb vest. An AK-47 rests on the dashboard. The youngster drove to a location in the Iraq province of Salahuddi and blew himself up.

Recent footage of a British boy - named as Abu Abdullah al-Britani - was also released by the terror group. This showed him with other uniformed children shooting dead several captured Kurdish prisoners in Syria. Experts and body language analysts alike used the term 'brainwashed' after examining the nine minute video.



Abu Abdullah al-Britani



PROPAGANDA AND FEAR

Increasingly desperate, ISIS are using children to carry out executions

ABDUCTIONS

Nearly a year has passed since MI5, Ministry of Defence and police officials met to discuss the possibility of attacks on security buildings and patrol personnel. Eye Spy learned that the Security Service was particularly concerned about reports of covert surveillance and reconnaissance by unidentified ➤



Iraq armed forces have made considerable gains against ISIS backed by Special Forces elements from the UK, USA and elsewhere



have been advised not to wear their uniforms outside the base.

THE VOICE OF ISIS/DAESH

Whilst Alliance military ground and air forces have made significant land gains in the Iraq and Syrian theatres, the CIA, assisted by an influx of intelligence provided for by allied intel services, including Middle East agencies, has continued its kinetic UAV strike programme. Already several senior ISIS figures have been killed, but news of the demise of the 'voice of ISIS' - Abu

Muhammad al-Adani (real name Taha Subhi Fallaha) - is a severe blow to the group. US officials were confident that Adani had been killed following a precision [air] attack in al-Bab northeast of



Abu Muhammad al-Shimali

Aleppo. The city is the group's second stronghold after Raqqa. Adani has been heard and seen on numerous ISIS recruiting and propaganda tapes for over five years, and has risen through its ranks. One of the group's original founders, Adani died whilst inspecting the preparedness of fighters in Aleppo. The CIA believed he directed ISIS operations in the West and was a central planner. Reports also suggest he headed a little known intelligence section in ISIS called Emni (see page 19). For the record, Russian Intelligence also claimed responsibility for Adani's death. Eye Spy sources believe Moscow's Syrian-based operatives may well have secured some intelligence on the terror leader's location and



Police released these drawings of the RAF Marham 'abduction team'

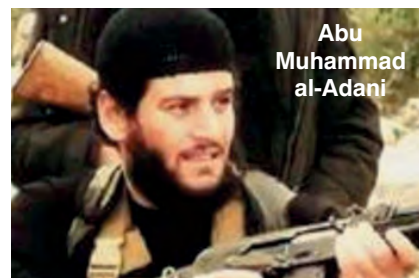
people on a number of sites, including RAF/USAF bases. Much focus was afforded to this problem following the appalling murder of trooper Lee Rigby. And MI5 has now linked a recent incident in Norfolk near RAF Marham to terrorism.

On 20 July, two men attempted to abduct an RAF officer who was jogging close to the base. Described by a police spokesperson of being of "Middle East appearance," a fight ensued but the airman managed to thwart the attackers - one of whom was armed with a large knife. The attackers fled in a large people-carrying car. Intelligence sources state there were other occupants in the vehicle - suggesting the men were part of a larger cell.

Despite a major investigation and release of photo-fits of the two suspects, no arrests have been made. Other incidents outside or near military bases have also occurred, and troopers at Aldershot Garrison near London



Turkey's Prime Minister Binali Yildirim visits the country's Hakkari Cukurca 2 Border Brigade Command



Abu Muhammad al-Adani



September 2016. Russian warplanes and combat pilots at Hmeymin airfield in Syria. The US has blamed Moscow for attacking targets occupied by civilians - an allegation rejected by Russia



movements. However, Russian armed forces did not launch the missile that killed Adani.

A number of ISIS media outlets have confirmed Adani is dead and have referenced a commander who goes by the name of Abu Muhammad al-Shimali as his replacement. The former al-Qaida man is described as a 'logistics expert' and has a \$5 million bounty on his head (US Rewards for Justice). Langley believes al-Shimali is behind the programme to infiltrate operatives into foreign countries and the financing of operations.

Intelligence analysts believe the removal of Adani and so many key ISIS commanders and heads is significant. Some analysts believe only two of its original core leaders are still alive. And the whereabouts and well-being of its leader Abu Bakr al-Baghdadi, remains unclear. Pentagon Press Secretary Peter Cook, said the elimination of Adani would be a significant blow for the terror group. "This is someone who has been a senior leader in ISIS. He's been responsible for external plotting and directly recruiting foreign fighters," said Cook.

THE PROPAGANDA CONTROLLER

If Adani's death was a blow to ISIS, there was even worse news when an Alliance aircraft strike on 7 September near Raqqa killed the head of the group's propaganda wing - Wa'il Adil Hasan al-Fayad A.k.a. 'Dr Wa'il'. US intelligence officials said al-Fayad controlled all the production propaganda output of ISIS. "As Information Minister, he was also a close associate of al-Adani," a DOD staffer said.

Since Alliance forces enabled Operation Inherent Resolve, ISIS has lost 50% of territory it once held in Iraq and 20% in Syria. What's left is an area approximately the size of Greece.

LONE WOLF DATA

A comprehensive study of around 5,600 terrorist attacks carried out around the world from 1968 to 2010, revealed that just 1.3% or 72 cases, were performed by lone wolf terrorists. Accordingly, new research is underway which already reveals a dramatic rise in the number of reports, particularly

since the creation or formation of ISIS. Whilst no accurate data yet exists, which of course includes suicide bombings, some intelligence analysts believe the figure could be as high as 25%. The rise, whilst directly linked to ISIS, is also being linked to social media platforms.

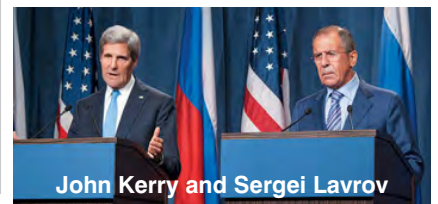
NEGATIVE LIAISONS



Alliance and Russia clash at UN Security Council meeting as accusations abound

Two meetings between the United States and Russia to broker a deal on a joint counter-terrorism initiative to fight ISIS in Syria pre-empted a bitter clash at a Security Council meeting in the United Nations.

Following an unsuccessful conference in Geneva in August between US Secretary of State John Kerry and Russia Foreign Minister Sergei Lavrov, a new liaison took place in China. A news conference to announce an agreement was arranged but then ➤



OPERATION INHERENT RESOLVE TARGETS DAMAGED/DESTROYED*

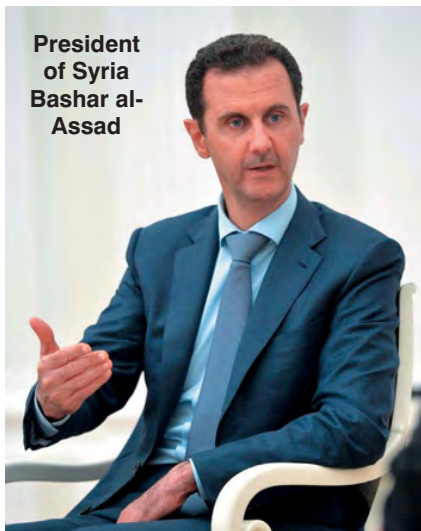
	Tanks	164
	HMMWV's	388
	Staging Areas	2,050
	Buildings	7,948
	Fighting Positions	8,638
	Oil Infrastructure	2,638
	Other Targets	10,074
	TOTAL	31,900

*Numbers may fluctuate based on battle damage assessments
Current as of 26 September 2016

Source: CENTCOM CG

COURTESY: US DEPARTMENT OF DEFENSE

**President of Syria
Bashar al-Assad**



cancelled at the last moment. "Everyone knows how complicated this issue is, because there are so many different forces, different players, stakeholders, entities and so forth," said Mr Kerry.

And then in September a 'cease-fire' agreement was agreed between the two countries... this lasted but a few days and fighting erupted again. Syrian forces backed by Russian warplanes launched a ferocious attack on eastern Aleppo resulting in many civilian casualties.

At an emergency United Nations Security Council meeting, Matthew Rycroft, British Ambassador to the organisation said: "Bunker-busting bombs more suited to destroying military installations, are now destroying homes, decimating bomb shelters, crippling, maiming, killing dozens, if not hundreds." He also said incendiary munitions were being dropped and there was a deliberate attempt to target water supplies. "In short, it is difficult to deny that Russia is partnering with the Syrian regime to carry out war crimes."

Vitaly Churkin, Russia's representative in the UN dismissed the allegations and blamed



"Sometimes I wonder if we are living in a parallel universe..."

US Secretary of State John Kerry

rebels for the cease-fire breakdown - including forces backed by the United States. Churkin said the rebels were using Aleppo's population as human shields.

US officials have also questioned Russia's involvement in the destruction of a large humanitarian convoy carrying aid to the besieged city in which 20 people died. After listening to an explanation by a Russian official, US Secretary of State John Kerry said, "sometimes I wonder if we are living in a parallel universe."

Intelligence analysts believe that an agreement must be reached to coordinate efforts to defeat ISIS.



**Vitaly Churkin -
rejected claims of
war crimes**



THE ASSASSINATION LIST Crossing

CATALOGUE OF DEATHS
continues to grow as Putin
opponents blame dark
elements in the Kremlin for
more assassinations



Alexander Shchetinin

A Russian journalist who called Putin a 'fascist' was found shot dead at his apartment in Kiev. Alexander Shchetinin, 54, died on the balcony of his home from a single gunshot to the head. The preliminary police report labelled the death a suicide, though that's not how some observers look upon the incident. "The deceased was a Russian journalist who moved to Ukraine and radically changed his views from pro-Russian to pro-Ukrainian," Artem Shevchenko, spokesman for the Ukrainian Ministry of Internal Affairs, said.

Intelligence watchers believe 21 journalists have been killed since Russian President Vladimir Putin came to power in March 2000. In the great majority of cases, no one has been convicted and sentenced for the murders.

Another ongoing case involving the darker side of Kremlin-linked figures concerns Alexander Perepilichny, 44. The Russian banker - turned



**Sergei
Magnitsky**

whistleblower - died in Surrey, southern England whilst jogging in 2012. Perepilichny had been helping Hermitage Capital, an investment fund, to investigate an alleged multi-million-dollar Russian money laundering operation. Traces of a rare chemical compound, which

g the Kremlin



Alexander Perepilichny

Sergei Magnitsky, Hermitage's lawyer, died from untreated inflammation of the pancreas after testifying against officials accusing them of stealing \$230m in tax rebates. It is alleged Magnitsky was repeatedly beaten and denied medical treatment because of his work for Hermitage.



**Mikhail Lesin
and his girl-
friend Victoria
Rakhimbayeva**

can be found in gelsemium elegans, a poisonous plant known as 'heartbreak grass', was later found in his stomach. The plant is from the Himalayas and has long been favoured by Chinese and Russian assassins.



**Former Press Minister Mikhail
Lesin and President Putin**

The British inquest into Mr Perepilichny's death has again been postponed until March 2017 following the government's decision to seek PII (Public Interest Immunity) on certain documents - status granted in cases where the disclosure of sensitive documents would pose a threat to national security. Solicitors representing Hermitage had alleged "potential parallels between the death of Perepilichny and MI6 agent Alexander Litvinenko," the former Russian spy.

A public inquiry into Litvinenko's death earlier this year concluded that he was murdered by polonium poisoning on the orders of the Russian state in an operation "probably approved by President Vladimir Putin."

Another recent 'mystery case' concerns former Russian Press Minister Mikhail Lesin, 57, a Kremlin insider. He was found dead on 5 November 2015, in the Dupont Circle Hotel in downtown Washington DC. Lesin fell out of favour with Putin and was abruptly dismissed from his position. He was preparing for a new life in America, but the US Justice Department was called to investigate what was suspicion of wrongdoing under the Foreign Corrupt Practices Act and he was to be questioned about his ties to a personal banker for senior officials, including Putin.

Russian state media quickly reported that Lesin died of a heart attack, but DC's Office of the Chief Medical Examiner and the Metropolitan

Police Department recently released their findings: *'Cause of Death: blunt force injuries of the head. Other Contributing Causes: blunt force injuries of the neck, torso, upper extremities and lower extremities'.*

DENIAL FROM MOSCOW

Vyacheslav Trubnikov, former Director of the SVR, denied Kremlin links to any of the recent deaths. In a recent interview he was asked whether assassinations are being carried out by Russian security services, Trubnikov's answer was firm: "No. I am absolutely sure," he said. "First of all, it goes against the law... Russian Intelligence, counter-intelligence cannot use such methods." When asked if the order could have come from Putin himself, Trubnikov again replied, "No, it's impossible. It's a criminal act."

There is very little evidence that points directly back to Moscow, but the deaths themselves create the belief amongst Putin's opponents that they authorised in an effort to issue an anonymous warning to others.



**Former SVR Director
Vyacheslav Trubnikov**

A Rich Tapestry of Inte

Most encouraging developments in the campaign to save one of Britain's most important historical intelligence 'gems'

The clandestine wartime intelligence unit at Trent Park Museum, Cockfosters in North London is set to become a reality. After twelve months of tough campaigning and discussions with developer Berkeley Homes, an agreement has finally been reached about saving part of the site as a special museum.

In autumn 1939 the mansion house of the late millionaire Sir Philip Sassoon was requisitioned by the intelligence services and signalled the beginning of one of the longest clandestine bugging operations of special German prisoners across the Second World War. It is now recognised that the HUMINT (human intelligence) that was gathered there paralleled Bletchley Park's SIGINT (signals

intelligence) in shortening the war and saving lives. It was here that from 1942 British and American Intelligence eventually held 98 senior German officers, 59 of them generals. The high-ranking prisoners in their relaxed luxurious setting threw caution to the wind and began to 'spill the beans'. Famously, they spoke about the V1, V2, V3 and Hitler's atomic weapons programme.

But important intelligence was gathered at Trent Park as early as April 1940 with the discovery of X-Gerät, Knickebein and blind bombing devices - just before the fall of France and just in time for the British to prepare counter-measures against a method that in the autumn of 1940 constituted a very serious threat to British war industries. Discovery of the BM.1000, a German bomb which acted as a bomb on land and a mine in



By Dr Helen Fry

water was discovered just before the Germans began to use it. Intelligence from Trent Park gave Britain advance knowledge of new German warfare technology and development of jet aircraft, provoking the (British) Ministry of Aircraft Productions the stimulus to proceed with the development of the Whittle jet projects.

Trent Park provided a vast amount of snippets of information on a daily basis - including radar devices, German night fighter radar, anti-radar devices, flak rockets, and



TRENT PARK

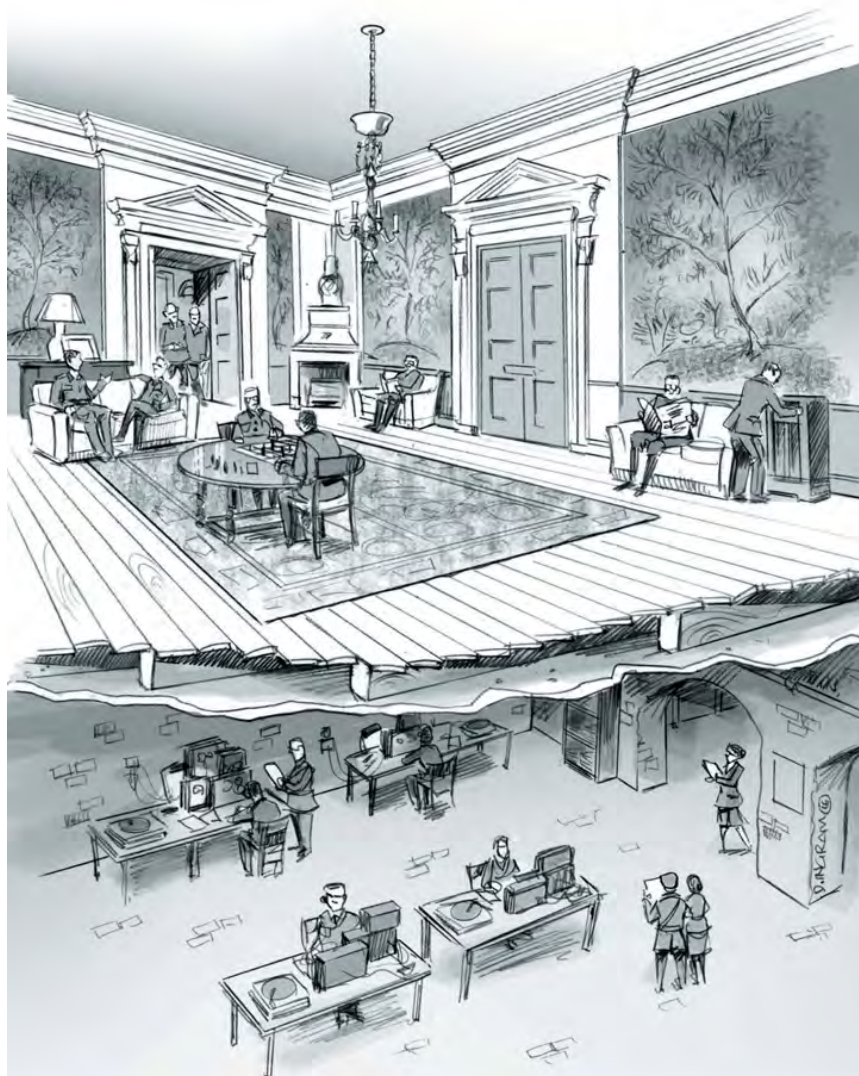
Secret War Museum

IS PROMISING Intelligence



MI6 spymaster Lt. Colonel Thomas Joseph Kendrick

guided projectiles for example - a rich tapestry of intelligence that was sometimes hard to receive elsewhere. Its success lay in its joint services operation with officers from Army Intelligence (MI19), Air Intelligence (ADIK), and Naval Intelligence that became an enormous logistical intelligence-gathering



The secret underground Trent Park listeners at work

© DOUGLAS INGRAM

machine that would feed into every campaign of the war. The unit's overall Commanding Officer Lt. Colonel Thomas Joseph Kendrick was a longstanding SIS (MI6) spymaster and member of the Intelligence Corps who had served in WWI, then as the British Passport officer in Vienna from 1925 - 1938 as a cover

for his SIS work. He was aided at Trent Park by the unit's head of Air Intelligence, Samuel Denys Felkin who had served in the RAF in WWI and acted as a spy for Kendrick in Vienna in the 1920s and 30s. Eminent government scientist Professor R.V. Jones could not speak highly enough of Felkin's



Left: April 1945. Allied engineers dismantle the German experimental nuclear pile at Haigerloch - 35 miles from Stuttgart. British Intelligence had learned of Hitler's atomic bomb project from the eavesdropping programme at Trent Park - home to dozens of imprisoned senior German generals (right)



Relaxed and in an environment a world away from a regular POW camp - the German generals conversed on topics which provided Allied intelligence services with Hitler's most profound secrets

contribution to the war. Felkin became the head of the RAF Intelligence unit ADI(K) and incidentally interrogated Hess after the Deputy Fuhrer crash-landed in Scotland on 10th May 1940 on an alleged peace mission.

The Naval Intelligence team at Trent Park was headed by Lt. Commander Burton Scott Rivers Cope, an experienced naval intelligence officer from World War One. New emerging research suggests that his team might have operated out of HMS Cockfosters (The Grange) or nearby Ludgrove Hall that was still part of the Trent Park estate. The whole area appears to have been a highly militarised zone; with the bugging operation at Trent Park being kept a closely-guarded secret for over 60 years until its files were declassified from

the late 1990s. Historians are only now beginning to work on the tens of thousands of declassified archives in the National Archives in London and State Archives (USA) and understand the significance of this site for the secret war against Nazi Germany.

Dr Helen Fry is author of *Spymaster: The Secret Life of Kendrick* and *The M Room: Secret Listeners who Bugged the Nazis*

EDITOR'S COMMENTS

Eye Spy is delighted to report that since the coverage in the last two issues, the Prince's Regeneration Trust's BRICK mentoring programme has taken on Trent Park.



Air Intelligence specialist and spy - Samuel Denys Felkin

Aspirations to turn part of Trent Park into a secret war museum, saving it from development into luxury flats by Berkeley Homes, has finally paid off. Campaign founder of 'Save Trent Park', Councillor Jason Charalambous and WWII historian Dr Helen Fry have worked full-time in putting together the necessary arguments and documentation to convince Berkeley's senior manager Tony Pidgley, that this site must be preserved for posterity because of its significance in the nation's history. They have been generously aided in their endeavours by a team of experts, lawyers, museum designers and professionals headed by Sir Michael Bear (former Lord Mayor of London) who have all given up their time pro-bono for this good cause. The team has been grateful to Iain Standen, CEO of



Historians are only now beginning to work on the tens of thousands of declassified archives in the National Archives in London and State Archives (USA) and understand the significance of this site for the secret war against Nazi Germany



Not your average POW accommodation



**Lt. Commander Burton
Scott Rivers Cope**

Bletchley Park who has wholeheartedly provided practical expertise during this process.

The pace of work has been fast to match the speed at which Berkeley has been putting together its full planning application to Enfield Council (submitted mid-September 2016).



© J. BREW

Deutsches Museum. Equipment used by German scientists Oyyo Hann and Fritz Strassmann who discovered nuclear fusion one year prior to the outbreak of war

With their help in raising the profile of this site, Tony Pidgley has personally promised to the team the whole ground floor and basement of the mansion house for the museum. The teams are now working towards negotiating the finer details of the lease and operational use, and it is hoped that the museum will be open throughout the year (a contentious point in the campaign), even though the surrounding parkland will be shared with the new luxury residences.

The progress now means that the hard work of fund-raising and museum planning can begin for the Trent Park Museum Trust. The vision is bold and ambitious. It has the support of Britain's renowned actor, Sir David Jason OBE, comedian and novelist Helen Lederer whose grandfather Ernst Lederer was a secret listener there, and Lord Cholmondeley, the Lord Great Chamberlain of England and a



**General Michael Hayden,
former Director NSA and CIA**

Scientists, Spies and Intelligence



Above: R. V. Jones (left) - dubbed the 'father of scientific intelligence' pictured with CIA Director James Woolsey and WWII French Resistance agent Jeanne Rousseau in 1993. Rousseau, codenamed Amniarix, helped collect vital intelligence on Germany's V1 and V2 programmes. Below: Rousseau pictured at the outbreak of WWII



descendant of the Sassoons, and of course of Eye Spy's very supportive Editorial and readership.



"The British-American 'special relationship' has its roots in the two nations' WWII intelligence cooperation... cooperation exemplified by places like Trent Park. It is heartening for an American to see Britain work to preserve such special locations so that they and the lessons they teach will be available to future generations..."

BY DR CHRIS NORTHCOTT

Part 1



A MAJOR, COMPLEX AND OFTEN MISUNDERSTOOD INTEL ELEMENT

Eye Spy examines the multi-faceted tradecraft of COUNTERINTELLIGENCE

INTRODUCTION

Counterintelligence is most often associated with MI5 or the FBI or domestic intelligence organisations countering the threat of foreign spy agencies and protecting secrets. However, the subject is far broader and concerns an array of intelligence layers, information and security elements, and is arguably the most difficult part of the Intelligence Cycle to define. From a government wishing to protect its own secrets from a foreign spy adversary to countering threats from within.

This article begins by looking at the three parts of information security. Firstly, protective security: to blunt or stop intelligence collection. This involves erecting passive defensive walls. Secondly, there is the detection and

neutralisation of intelligence threats. This involves an active defence to remove opponents' offensive intelligence threats. Thirdly, there is deception. Deception operations aim to defeat opposing intelligence by confusing and deceiving it. This article then moves on to provide a brief overview of how and why information security organisations have developed since the First World War. It goes on to examine the particular contributions that intelligence makes to security. It ends with a conclusion section, which highlights some of the key lessons to be learned about counterintelligence.

The intelligence community participates and supports information security. Nevertheless, security of this type should not be regarded as an integral part of intelligence. Rather, security tends to be seen as a separate but closely-related activity, as set out in NATO doctrine:



Intelligence on a multitude of subjects from counter-espionage to security falls within the world of counterintelligence

'Intelligence and security are closely related activities, in that one of the aims of security is to prevent the acquisition of intelligence by the enemy, and it is one of the aims of intelligence to penetrate enemy security. Therefore the planning of effective intelligence acquisition requires a knowledge of security measures, particularly those of a potential enemy. Likewise the planning of effective security requires a knowledge of intelligence acquisition methods; again, particularly those of an enemy or potential enemy.'

PROTECTIVE SECURITY

Protective security is mostly made up of defensive protective techniques that mirror offensive intelligence measures.

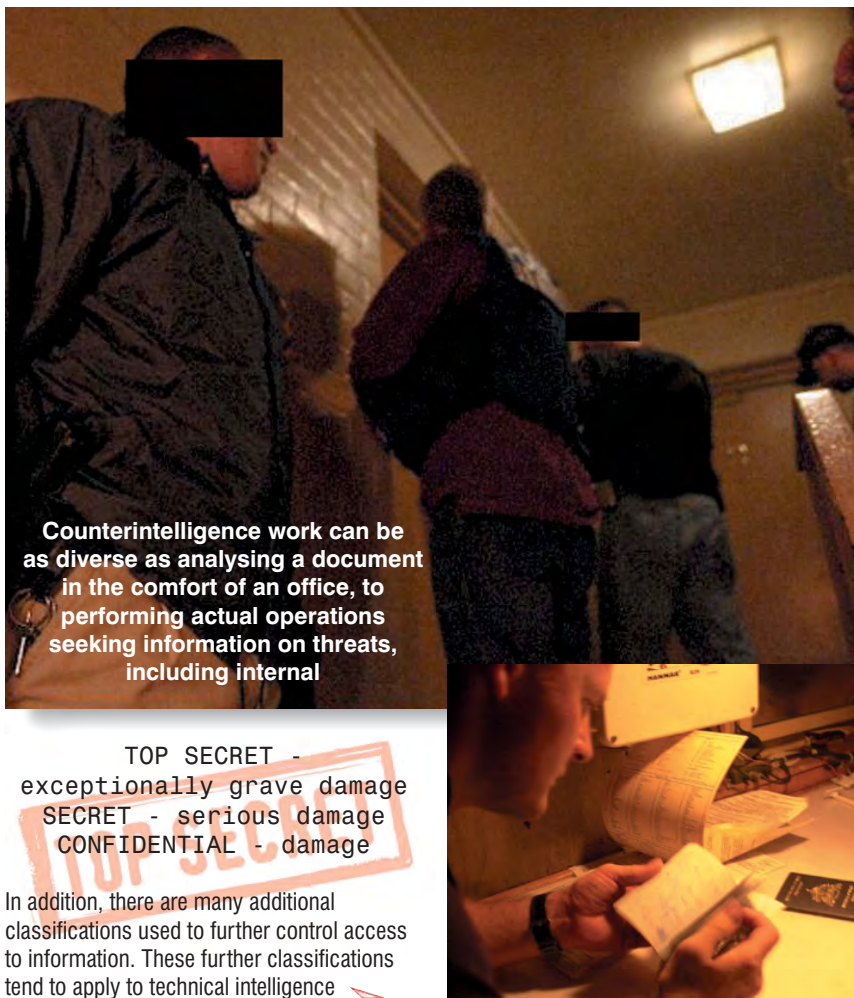
Counters to HUMINT (Human Intelligence) include personal, document and physical security: especially vetting, control of contact with foreigners and travel, restriction of access to buildings, and rules regarding the classification, custody and transmission of documents. They are all supported by the principle of need-to-know (restraint in the distribution of information). The counter to POW (prisoner of war) interrogation is training to resist interrogation. 'Sweeping' and counter-eavesdropping are counters to bugging and close-range eavesdropping. Censorship counters the leakage of information into open sources.

CLASSIFICATION OF INFORMATION

Information is categorised according to its sensitivity - the amount of harm its disclosure to an adversary could cause and therefore the importance of safeguarding it. The more sensitive information is, the more carefully it needs to be protected and the less people authorised to have access to it (clearance). Typically, the basic categories are:

TOP SECRET - exceptionally grave damage
SECRET - serious damage
CONFIDENTIAL - damage

In addition, there are many additional classifications used to further control access to information. These further classifications tend to apply to technical intelligence ➤



White House briefing concerning the mission targeting Osama bin-Laden. Such events and building security have threads to counterintelligence work, including eliminating the threat of third-party 'listeners'



The more sensitive information is, the more carefully it needs to be protected and the less people authorised to have access to it...



Within the confines of major intelligence services, documents, information and materials will be afforded an appropriate classification - dependent on the 'value', 'sensitivity' and 'importance' assigned to the subject matter. In most cases this is attached after analysis, assessment and approval by senior officials and service heads

gathering capabilities and techniques. However, there has been a proliferation of these special categories, as numerous organisations outside the intelligence community have sought to safeguard information they perceive to be especially sensitive. This has the potential for confusion as the system is not unified.

NEED-TO-KNOW

In principle, clearance alone is not sufficient to gain access to information. Individuals desiring access should also demonstrate a need to know the particular information in

question in order to carry out their work. This is a much less formal part of the information control system than the part handling clearances.

In principle, anybody controlling information who has been classified is responsible for checking the need to know of anyone requesting information before granting them access to it. It is debatable whether this requirement provides an effective barrier to the unnecessary dissemination of classified information. In 1985, the US Department of Defense (DOD) Commission to Review DOD Security Policies and Practises, under retired US Army General Richard Stilwell, concluded that, "the principle that a cleared individual is authorised access only to that information he 'needs-to-know' is generally not enforced."



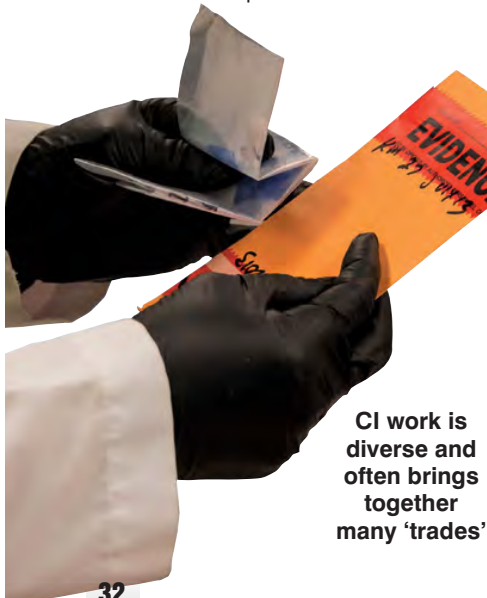
General Richard Stilwell

WHAT SHOULD BE CLASSIFIED?

A simple answer to this question is given in the definitions of Top Secret, Secret and Confidential set out earlier. However, the key terms 'exceptionally grave damage', 'serious damage' and 'damage' are vague when applied to such a general concept as national security. The reality is more complex.

The idea that this is a matter of which information should be protected from public access is based upon a liberal view of government and society, in which freedom of information is the norm and its protection is the exception. For example, democratic states routinely disclose significant amounts of information about their defence budgets. Although the idea of classifying a democratic state's entire defence budget is out of the question, during the Cold War both American and Soviet governments felt that disclosing their defence budgets was damaging to themselves and helpful to their opponents. Until 1989, the USSR viewed the amount devoted to defence as a state secret. Therefore, US Intelligence allocated substantial resources to calculating the size of Moscow's defence budget and its major components. If

"The principle that a cleared individual is authorised access only to that information he 'needs-to-know' is generally not enforced..."



CI work is diverse and often brings together many 'trades'



Right: 1986. President Ronald Reagan meets with his inner circle to discuss a retaliatory airstrike on Libya following the bombing of a nightclub in Berlin. Left: A military advisor identifies the location of the primary target



Cold War American anti-Communist propaganda poster

the US government did not feel that this information was useful, these resources would have been focused on other missions. This shows that the reason a democracy like the USA does not classify its defence budget is related more to internal political considerations than to abstract rules of classification.

The issue is one of balancing the requirements of domestic political order against the potential damage to national security. Thus, no clear cut

dividing line can be drawn. For example, in order to gain public support for the 1986 bombing of Libya, the US government released information gained from deciphered Libyan messages, which implicated Libya in the terrorist bombing of a West Berlin discotheque. Several people died including US military servicemen. However, by warning the Libyan government that the US was deciphering its cables, the USA risked losing a valuable source of intelligence.

OVER-CLASSIFICATION

The complaint that democratic governments classify too much information at too high-a-level is frequently made; criticism has even been made by intelligence insiders. For example, in 1985, the US DOD Commission on Security Practices commented that:

'Too much information appears to be classified and much at higher levels than is warranted. Current policy specifies that the signer of a classified document is responsible for the classification assigned but frequently, out of ignorance or expedience, little scrutiny is given such determinations. Similarly, while challenges to improper classifications are permitted, few take the time to raise questionable classifications with the originator'.

Over-classification also does the secondary harm of reducing the credibility of the classification process. This leads to a

SECRETING INFORMATION



President Carter meets with King Hussein of Jordan in 1977 - the same year the *Washington Post* alleged the Middle East leader received monies from the CIA. Mr Hussein ruled Jordan for the entire period of the Cold War. Langley reportedly made no reference of the alleged annual payments to the president or his predecessors

propensity to disregard the classification system. If numerous innocuous reports are classified, inhibitions against unauthorised releases of classified information are likely to be reduced. It is often claimed that documents are needlessly classified in order to save government officials from censure or embarrassment. Thus, classification can be used to shield officials from democratic accountability to the public. This sometimes happens because the embarrassment concerns the government itself and foreign states, rather than just to an official who might have acted improperly regarding the general public.

In cases such as this, secrecy is often needed more for diplomatic reasons than for operational reasons. For example, in 1977, the *Washington Post* claimed King Hussein of Jordan had received money from the CIA - an assertion that could be damaging to him politically. Keeping this kind of relationship secret in order to save embarrassing and damaging the political position of a friendly

The United States does not classify its defence budget





Security and information control are far more stringent in government departments once perceived as being outside the world of counterintelligence

leader is a proper reason for secrecy, which is not strictly necessary from an operational perspective.

UNDER-CLASSIFICATION

Under-classification can happen with information produced outside government that is significant enough to national security that it has to be controlled and classified. The clearest example of this is information

regarding nuclear weapons technology. The USA addressed the issue of nuclear technology security with the Atomic Energy Act 1954, which categorised restricted information as:

'All data concerning (1) design, manufacture, or utilisation of atomic weapons; (2) the production of special nuclear material in the production of energy...'

This kind of information is subject to control whether produced inside or outside government. Other information that is not classified but that might in certain circumstances be useful to a hostile power includes financial information that would enable someone to



Those working in information management and security must maintain vigilance even outside working hours

insider trade on financial markets. There is also technological information that a state may want to stop its rival from securing. In addition, there is personal information that could help an adversary's intelligence service to recruit government officials as spies either by blackmail or offering money to those suffering from financial difficulties. Safeguarding this kind of information primarily involves communications security.

PERSONNEL SECURITY

Personnel security refers to measures to screen job applicants before giving them a job that provides them with access to information an adversary's intelligence service may want to collect; and to make sure that current personnel continue to live up to the standards required for access to classified information.

The main role of vetting is to evaluate an individual's ability and willingness to keep classified information secret. This involves judging a person's loyalty and character. Judgements of character have to assess the potential employee's mental stability and if they could be open to blackmail by a foreign intelligence service. Vetting relies upon the

General telephone line bug detector



MI5 headquarters. Like many intelligence services, the Security Service has turned to the Internet to recruit most of its general staff



British intelligence officer Kim Philby (right) spied for the Russians for well over a decade

Many infamous UK and US espionage cases of the 1940s and 1950s were primarily motivated by ideology

information given on a security questionnaire by the applicant, which is checked against the data banks of a number of law enforcement and other official agencies. Depending upon the sensitivity of the information for which clearance is being sought the vetting process may also include interviews with friends and acquaintances of the applicant, schoolmates and work colleagues, etc.

It is often claimed that this kind of background check is not particularly effective in assessing character and loyalty. For example, a member

of an organisation deemed subversive might be able to keep this secret - if he/she did not declare this on their vetting forms and did not tell friends about their membership.

The polygraph machine (lie detector) has been used as a means of checking information collected by security clearance forms. It has been mainly used by the USA. Many countries place little faith in the polygraph test. Although the lie detector seems to have a strong deterrent effect, its accuracy has been strongly debated. Some intelligence services

claim to have developed ways of beating the polygraph test.

THE CHANGING NATURE OF THE THREAT

Many infamous UK and US espionage cases of the 1940s and 1950s were primarily motivated by ideology. Since the 1970s, the motivation for most espionage cases has primarily been financial, sometimes compounded by emotional instability. The changing nature of the espionage threat suggests that extra steps could be taken to increase personnel security, like introducing a process to alert security officials when people cleared for classified information seem to be living beyond their means or are in financial difficulties, and also psychological profiling.

PHYSICAL/OBJECT SECURITY

Physical security refers to measures to prevent foreign intelligence agents from obtaining access to classified information. It covers such things as safes to secure information and alarms to detect unauthorised access to areas where classified information is used.

In some ways, these measures are not noticeably different from steps a business might take to protect equipment or stock. ➤

Some intelligence services claim to have developed ways of beating the polygraph test



PEOPLE WATCHING AND DATA ANALYSIS

The polygraph test is still used in some intelligence environments. Analysts also watch the reaction of the subject which can provide an indicator to truthfulness

MI5 WARNING



Prior to the recent G20 summit in China, MI5 and MI6 counterintelligence officers warned British delegates about likely Chinese surveillance, cyber threats and other activities - including offers of a sexual nature (honeytraps) and gifts.

All the UK delegates, including Prime Minister Theresa May were issued with new cell phones and protected electronic media.

It's highly probable similar guidance and countermeasures were given to most attending delegates.

Whilst advice and tough procedures are in place for government officials as they venture abroad, many business people and government contractors continue to be targeted - and some do fall prey to hostile activities

However, there is a fundamental difference in the sense that physical security for classified information aims not only to protect the material objects that contain information, such as documents, but it also aims to protect the information itself. This necessitates much tougher controls over access to areas where classified information is used, because an agent can unobtrusively and quickly plant



The most obvious way to meet the goals of counter-espionage is to gather intelligence directly from an adversary's intelligence service by technical or human methods

bugging equipment that would enable a foreign intelligence service to eavesdrop on conversations inside the classified area. Thus, it is vital to control what is taken into classified areas, on top of what is taken out from them. Therefore, physical security practitioners need to possess some way of 'sweeping' an area for bugging devices.

DETECTION AND NEUTRALISATION

The defence also occasionally has the opportunity of nullifying or eliminating an adversary's intelligence gathering, if it is detected, by direct action.

Spies can be arrested. Foreign intelligence personnel operating under diplomatic cover can be expelled. Bugging devices can be

disabled. Sometimes close-range eavesdropping can be jammed.

Some intelligence gathering can even be physically eliminated in peacetime. Such as the North Koreans' capture of the US Navy intelligence gathering ship Pueblo in 1969. War increases the chances for physical elimination of this kind. Aerial reconnaissance planes and UAVs can be shot down. Other close-range intelligence gathering can also be eliminated. For example, Germany's Afrika Corps' successful tactical SIGINT unit in the Western desert during the Second World War was captured. Intelligence headquarters and long-range collection bases may be attacked as part of the interdiction of command-and-control infrastructure.

Peacetime scope for such direct action is more uneven. HUMINT is especially vulnerable. The majority of technical intelligence





USS Pueblo (AGER-2) - a US Navy intelligence collection ship was captured by North Korea in October 1967. The crew were released in December 1968

gathering is passive and/or long-range and thus not so vulnerable to jamming or physical attack. Cold War satellite intelligence gathering was protected by the Soviet-US agreement not to go ahead with the development of anti-satellite (ASAT) technology.

COUNTER-ESPIONAGE

The defensive security measures outlined above are passive, as they do not directly go after the hostile intelligence threat, but aim to deny it access to classified information. More active measures that seek to uncover how an adversary's intelligence service works, so as to disrupt and frustrate its actions and ultimately to exploit those actions to the advantage of one's own side, are commonly labelled counter-espionage.

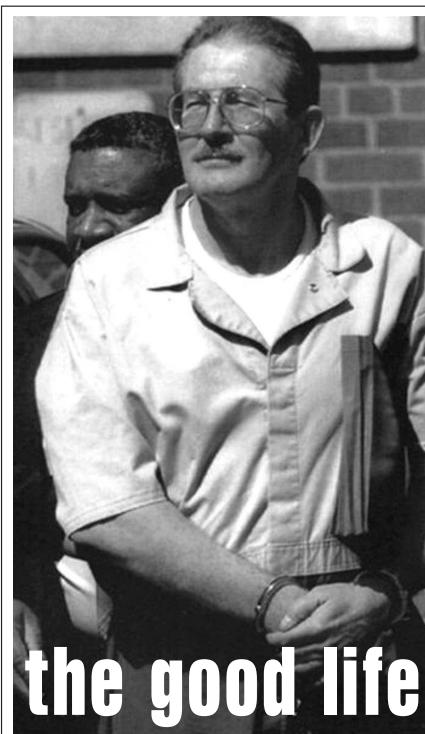


1985. US anti-satellite missile launch test firing

SURVEILLANCE OPERATIONS

One way to understand how a hostile intelligence service works is to run surveillance operations (to keep under constant observation) against its personnel wherever they operate. This aims to discover where the intelligence officers go and who they are in contact with. These contacts provide leads for further investigation. Although this sounds simple, it can be a very difficult task. Many intelligence officers are trained in anti and counter-surveillance. Thus, it is vital to hide the surveillance. This necessitates a considerable amount of manpower, as someone trained in the art of surveillance will identify if someone is following him for any length of time.

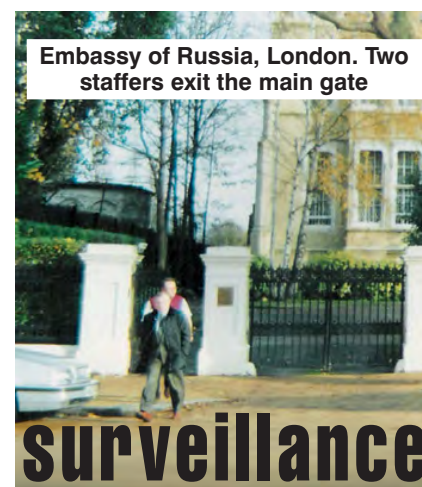
Owing to the expense involved, it is important to correctly target surveillance on actual intelligence officers. The first place to look is at the types of official cover positions available to foreign intelligence services - diplomats, trade representatives, etc. The difficulty here is to work out which people holding these kinds of positions are what they seem to be and which ones are actually intelligence officers under official cover. This task can be tackled in a few ways. By observing a foreign embassy, for example, it may be possible to see which officials do not seem to be involved in genuine diplomatic activity and may be engaged in intelligence work instead. It may also be possible to identify intelligence officers by noting patterns of replacement and rotation of diplomats - if X has been identified as an intelligence officer; X's replacement is likely to be another intelligence officer. In short, the more an intelligence service learns about a hostile service and the way that it operates, the more effectively surveillance can be deployed against it.



the good life

CIA officer Aldrich Ames spied for the Soviets at the height of the Cold War - he remains in jail after being sentenced to life in 1994. After his arrest FBI counter-intelligence officers examined his lifestyle. With an annual salary of \$60,000 - the spy still managed to purchase a house costing nearly \$550,000 - this he paid for in cash; alterations and decoration costs added a further \$100,000. Ames also drove an expensive car (\$50,000); spent \$6,000 a month on telephone calls and repaid credit card bills every month which exceeded his net-monthly income. FBI investigators said even a "cursory glance at his lifestyle would have raised red flags."

Today, more vigorous background checks are in place, though those engaged in front-line espionage (insiders, traitors and double agents) are just as likely to conceal transactions



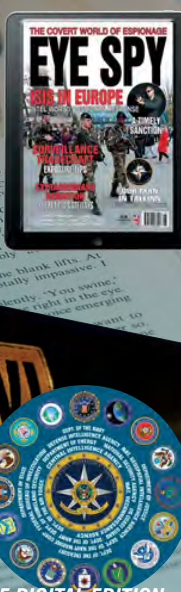
Embassy of Russia, London. Two staffers exit the main gate

surveillance

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INTELLIGENCE COLLECTION AND DEFECTORS

Of course, the most obvious way to meet the goals of counter-espionage is to gather intelligence directly from the adversary's intelligence service by technical or human methods.



Ronald Pelton and Lee Howard

Running HUMINT agents within a closed society is very difficult. In such cases, counterintelligence often relies upon defectors from intelligence services for counter-espionage information. For example, in 1985, Vitaliy Yurchenko, deputy chief of the KGB section handling espionage against the USA and Canada, defected to the West, bringing with him intelligence on Soviet intelligence activities in the USA. Although Yurchenko did not know their real names, the operational and personal information he provided resulted in the arrest of former NSA communications man Ronald Pelton and the surveillance of former CIA employee Lee Howard.

DOUBLE-AGENT OPERATIONS

Double-agents are operatives who pretend to spy for a foreign intelligence service but who are really controlled by the state that they are supposed to be spying against. There are three types of double-agent operations. (1) They may initially have been genuine spies who were captured and 'turned' to become agents for the state on which they had originally been spying. (2) They could be agents who pretended to spy for a hostile intelligence agency but who really remained loyal to their own country ('dangles') (3) Or, they could have been approached by a foreign intelligence service, reported this approach to their own side's intelligence services and then been asked to play along.

All agents have one thing in common - they all serve the same counterintelligence goals. Firstly, they enable the counterintelligence service to penetrate their opponent's cover and identify intelligence officers who are handling agents for the adversary's intelligence



Left: FBI counterintelligence officers search the home of double agent Robert Hanssen (inset). Hanssen provided the Russians with information for over two decades. His motivation? - money. Above: A stash of dollars recovered from a dead letter drop used by Hanssen and one of his Russian handlers

Double-agents must provide some intelligence to their controllers in order to maintain their credibility

service - surveillance can thus be focused on the real intelligence officers and less attention paid to other officials who are genuine diplomats, etc. Secondly, double-agent operations also allow counterintelligence officers to learn their opponent's operational practices. Thirdly, if a double-agent is equipped with a special item of equipment, like communications equipment specially made to be used by agents, the double-agent's handler gets the opportunity to scrutinise it. Fourth, much can be learned about a hostile intelligence service's priorities by examining the instructions that double-agents receive from their handlers. Fifth,

double-agents can exert some influence over the actions of the hostile intelligence service. If an intelligence service thinks that it possesses a source with access to particular information, it may not attempt to recruit another agent. Therefore, the double-agent protects vital information by deflecting the hostile intelligence service away from it. Sixth, running double-agents occupies the adversary's intelligence officer's efforts, therefore reducing their resources for handling genuine sources. Seventh, one double-agent can provide insights into the hostile intelligence service's operations that might enable counterintelligence to dangle another double-agent - perhaps someone who seems to have access to information that the opponent's intelligence service is especially keen to get hold of. The first double-agent may even be employed to vouch for the bona fides of the second double-agent. Eighth, counterintelligence can employ double-agents to deceive an opponent: coaxing the opponent to come to the wrong assessment of the situation, because counterintelligence directs the intelligence that double-agents pass on to their purported employers.

Double-agents must provide some intelligence to their controllers in order to maintain their credibility. This is often done with what is known as 'chicken feed'; genuinely classified information that is really not particularly important. Another method is to provide



Securing the services of spies willing to act as double agents inevitably poses a risk to foreign-based intelligence collection agents. For example, MI6 man George Blake (right) who fled to Moscow revealed the identities of some 40 Western agents - many of whom were duly caught and executed by Russia



Former KGB headquarters in Moscow



Left: Colonel Oleg Gordievsky is perhaps one of the world's most famous double agents. The KGB man was recruited by MI6 and successfully exfiltrated to the West

accurate and important information that the hostile intelligence service is already thought to have collected through other intelligence channels. In these situations, counterintelligence has to balance the benefits of maintaining the double-agent's credibility against the costs of disclosing information, however duplicative or mundane it may be. The aim is to give up as little important information as possible without making the enemy intelligence service suspicious about the double-agent. The most ambitious strategy has double-agents providing a carefully chosen mix of information and misinformation blended to mislead the enemy. This aims to control not only the hostile intelligence service's collection but also his analysis and assessment of intelligence. Although huge difficulties are involved, the payoffs from performing this successfully can be immense.

• Part Two of The World of Counterintelligence continues Eye Spy 106

A-Z

The Language of Spies



From Glitter to RAT - Eye Spy continues its look at the *Dictionary for Spies*...

ASH AND TRASH

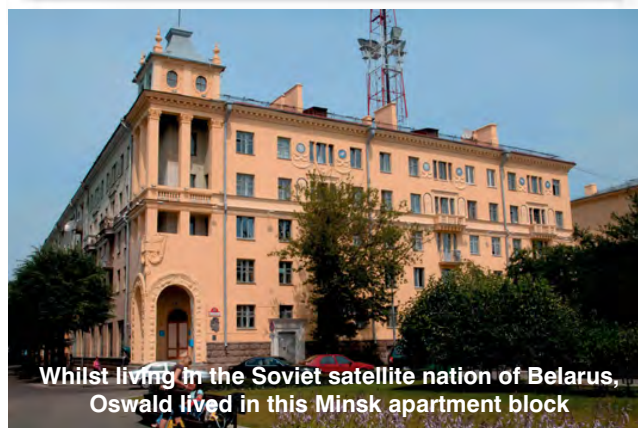
INTELLIGENCE SEARCH

When a CIA officer is tasked with searching through fragmentary, non-existent and distorted information for intelligence. Occasionally the term is applied to create the foundation of a propaganda or destabilising operation. In this case an attempt will be made to identify materials, incidents or misdemeanours by persons or even governments that can be utilised to cause mischief.

However, it is the former 'Ash and Trash' description which is most commonly used. A classic example is the case of Lee Harvey Oswald, the man who assassinated President John F. Kennedy in 1963. There was a covert and determined attempt by Langley to sift through Oswald's life in an endeavour to establish if he was state-sponsored - or more accurately -



Oswald pictured in 1963 holding Marxist publications - *The Worker* and *The Militant*



Whilst living in the Soviet satellite nation of Belarus, Oswald lived in this Minsk apartment block

controlled by the KGB. Eventually they found 'threads' showing the former Marine had spent time in Russia and this in turn spawned plenty of conspiracy theories. Despite decades of research and analysis, the CIA could never prove a direct connection, nor add comment to the real possibility there were two gunmen who shot at the president.

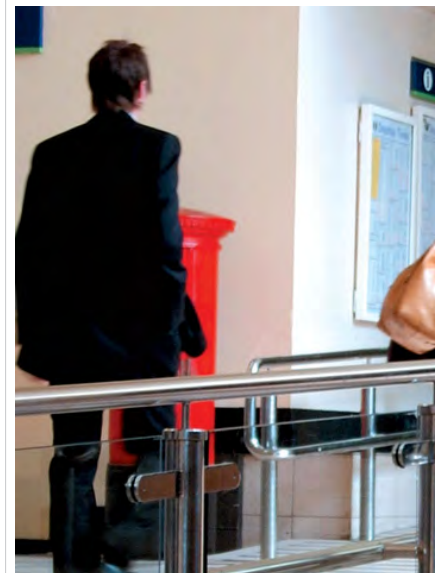
One photo of interest used by CIA analysts to 'cement' a relation showed Oswald holding two Marxist publications - *The Worker* and *The Militant*, along with a rifle believed to have been the one used by Oswald to shoot Kennedy.

BRIDE

CONTACT AGENT,
INTERMEDIARY AND
COURIER

A little used US intelligence term associated with a person selected to undertake a contact mission, often one that means accessing an area or performing a task which is fraught with danger. 'Bride' has been also been linked with agent contact.

Whilst its true origins are a matter of debate, some intelligence writers believe that it may



stem from a wife accompanying her husband (intelligence case officer) as a ruse. As in a surveillance environment, couples tend to be less obvious than single operatives. Another suggestion is 'bride' is simply a replacement word for covert courier.

BLOW BACK REPERCUSSIONS

The repercussions or possible aftermath of an intelligence operation. An American intelligence phrase which has gradually seeped into the language of spies and is now used throughout the world. Prior to any covert operation, including espionage, officials engaged in the higher echelons of government (including the armed forces), will examine the implications of an action, be it one that has been deemed successful, or one that has been rumbled. Nervous ministers and officials who will be at the fore of heading off criticism, deflecting attention or even 'mending' relations, will examine and analyse all possible Blow Back. In some cases, an operation is deemed simply too risky and all manner of debate will ensue. This often leads to



Concerned citizens warn Kennedy not to meddle with Cuba

the resignation of central figures or worse, only partial support. Such an occasion arose in 1961, when the CIA embarked upon a risky mission to remove Fidel Castro from power in Cuba. Although President John F. Kennedy eventually approved the operation, Langley was allowed to provide only limited backing to a counter-revolutionary element it had trained. The result was inevitable and Castro's forces quickly defeated an ill-prepared and far from equipped force.

In a way, some analysts believe Kennedy's fears of Soviet intervention were proven right when the Blow Back resulted in the Cuban Missile Crisis just a

year later. Others believe had Langley been given the go-ahead for despatching a more formidable force (with greater weaponry and air support), Castro would have gone.

DANGLE DOUBLE AGENT INFILTRATION AND PENETRATION

A precarious occupation for any agent specially chosen as a 'Dangle'. Applied to the infiltration of an intelligence agency, a Dangle is trained, schooled and



controlled to become a prized asset for an adversary. Though a service will seek to recruit or turn a foreign agent who is deemed 'attractive' in respect of their position, a Dangle is deliberately chosen by a respective agency for one task only - to become a double agent. Contact can be made in various ways and clues presented that the agent is open to recruitment. For example, known intelligence officers are targeted, perhaps in a restaurant or club and casual conversation ensues. The Dangle may hint at their profession or that they work in an office of some importance. Thereafter a liaison will follow.

It is vitally important therefore that an intelligence officer performs a background check etc. However, the 'Cover and Legend' story invented for a Dangle is usually expertly created to deceive. See also Gerber's Rules - where one can link the working mechanisms of any agent (personal background and role) investigation.

GERBER'S RULES REAL DEFECTORS

One of the most unnerving decisions taken by an intelligence agency concerns the defection of a foreign agent. This 'switching' of sides was most prevalent in the Cold War with the primary fear being one of concealed infiltration. In virtually all cases, interviews and back



**Burton L. Gerber**

ground checks were protracted, often involving weeks of interrogation. Perhaps the most famous case where suspicion of a deliberate attempt to deceive was that of Lt. Colonel Yuri Nosenko. The KGB man made contact with the Americans in 1964, but it was not until 1969 that Langley determined he was a genuine defector.

Cold War spy vetting and the procedures to ascertain if a defector was genuine was named after CIA officer Burton L. Gerber, and known as 'Gerbers Rules'. Gerber was a brilliant long-time Langley officer who served the Agency for almost 40 years. The former CIA Station chief was particularly experienced in matters concerning the Soviet Union and Communist countries. Indeed, for the best part of a decade he directed the CIA's operations in the USSR and Europe.

Gerber developed an intricate and almost fool-proof series of questions and probes that would help Langley's counter-intelligence section differentiate between genuine defectors and trained infiltration agents. These are still affectionately referred to by CIA people as Gerbers Rules.

**Yuri Nosenko**

GLITTER

A SPRINKLING OF USEFUL INTELLIGENCE

Within the mass of communications monitored by organisations such as the NSA and GCHQ, plus designated intercepts, analysts will often 'reject' 99.9% of the data, referencing this as general. There is simply nothing of interest or relevance to the task in hand. However, there are always 'bits' that require a second look. This is referred to as 'Glitter' and may contain information that has been sought after or may prove of use to another investigation.

Similarly, interesting intelligence secured through an operation or supplied by a third party (agent) which stands out from more mundane material is called Glitter.

**GLITTER**

HALL OF MIRRORS

ILLUSION AND DISTORTION

CIA counterintelligence chief James Angleton once likened the world in which he operated as a "wilderness of mirrors." There is little doubt the intelligence man had drawn this from the experience of a 'hall of mirrors' at a carnival or fair. Here visitors can view themselves or friends in curved and special mirrors which give a

**HALL OF MIRRORS****James Angleton**

distorted reflection. Angleton believed that many case files can be confusing and difficult to distinguish between what is real and what is illusion - just like the mirrors. Most dictionaries mention hall of mirrors in the context that they provide competing versions or visions of reality and prevent part of the picture from being seen correctly or not at all. It's not too difficult to place Angleton, or indeed, other intelligence operatives in this world. However, Angleton was a loner, thus replaced hall with wilderness.

One analyst who wrote about Angleton said: "He ventured so far into that wilderness that he never fully emerged from the hall of mirrors. Some cases drove him to the edge of reality... especially those involving KGB penetration."

Today, the term is still used by services such as the CIA and MI6 when trying to explain complex investigations and case files which are incomplete or difficult to image an end game.

JACK IN THE BOX

DUMMIES AND DEAD GROUND

In Eye Spy 105 we looked at the phrase 'Jack in the Box' in connection with counter-terrorism and security. In this case the surprise appearance of a security detail turning up unannounced - at random locations and at different times. However, the term was first used by the CIA at the height of the Cold War and references a very dangerous ruse played out with the KGB on the streets of Moscow.

Operating in Moscow was very difficult for CIA officers - even though most were protected by diplomatic cover. This was primarily because of surveillance. The KGB had staffers at the US Embassy and monitored workers 24-hours-a-day, and this invariably included the CIA delegation. Yet agents needed to meet contacts and travel, but with watching KGB officers, this was a difficult task. Those officers dropped off by a





colleague from a vehicle, for example, were quickly spotted and surveilled on foot. Thus Langley's props department came up with an ingenious solution.

Surveillance is an intelligence element that has been examined in depth by Eye Spy. It is a tradecraft that requires patience, skill and to some extent, a little luck. A vehicle surveillance team will announce the type, colour and speed of the targeted vehicle (and registration); the direction (road name) and number of occupants within. This can be followed by a description of the driver and passengers.

Langley opted to replace the alighting officer with a... dummy, though for the ruse to work perfectly, timing was critical. A blow-up dummy of a torso (top half only) was contained in a box that could be inflated in a matter of seconds. The CIA car travelled through the city and using 'dead ground' the passenger quickly exited the vehicle and the dummy engaged. Dead ground is a location which is temporarily out of sight from a following surveillance team. In this case turning the corner of a street. The KGB watchers would continue to see two outlines (silhouettes) in the car, thus presuming no one had alighted. The CIA officer would then be free to pursue his activities. References to the CIA's Jack in the Box appears in a number of CIA manuals.

Sadly, similar ruses (using dummies) have been deployed

in recent times by terrorist organisations, including controlling explosive-laden vehicles by remote control. On a slightly more humorous note, some drivers in the West have turned to all manner of dummies to beat CCTV cameras controlling carpool lanes intended for users carrying passengers (high occupancy vehicle). Indeed, police have stopped thousands of drivers in the USA for example, who have used the ruse - in many cases replacing people with some most odd creations!



There are dozens of acronyms applied to 'P & A', from personal and administration to purchase and accounts. However, in the Dictionary of Spies it has but one meaning with an added term - 'Primary and Alternative' agent handler.

For any operative in the field, having a familiar contact (agent handler) is important, especially to safeguard his/her position and provide assurance and trust. However, in many cases it is not always possible to establish contact or indeed, form a long-term relationship. An agent handler may be assigned to other duties or even relocated at any time. Thus, it is common practise to introduce an alternative point of contact.

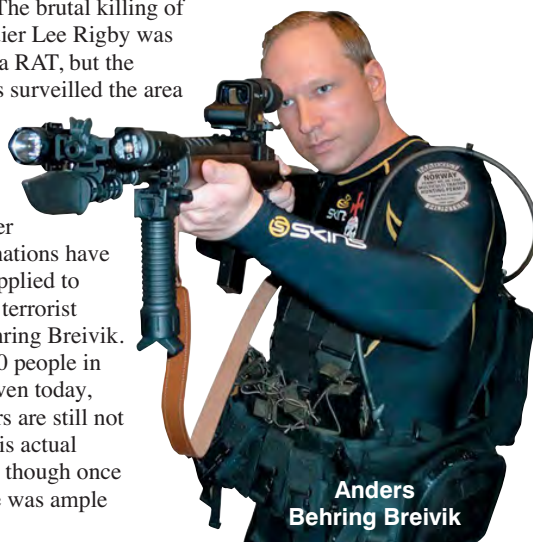


In gangster movies of old, it wasn't unusual to hear the word 'Rat' used in connection with a supposed colleague cooperating with the police. However, in today's intelligence theatre RAT has a very different meaning and means 'Random Act of Terrorism'. Some critics of the term say that most instances of terrorism require some planning, even if this means the purchase of a knife. The brutal killing of British soldier Lee Rigby was designated a RAT, but the perpetrators surveilled the area around his London barracks prior to the attack. Other RAT designations have also been applied to Norwegian terrorist Anders Behring Breivik. He killed 80 people in 2011, yet even today, investigators are still not certain of his actual motivation, though once again, there was ample

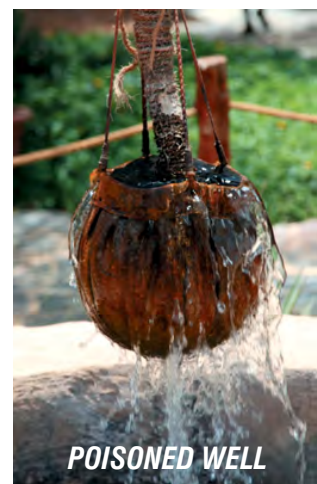


evidence of his planning an attack.

Intelligence analysts who use the term draw reference to such instances by applying 'no overall control' or 'apparent objective'. Others designate RAT to those cases involving immediate instances of violence.



Reference to a once rich source of intelligence no longer trustworthy or believed to have been compromised by a third party (intelligence service or other); the source can either be an individual or any organisation, business, government department or other. Once an intelligence service believes the material is 'bad' or laced with disinformation, it is highly likely that it will no longer be used, or at the very least, intelligence assessed and examined more carefully.



There are also instances when a 'friendly' service is called a 'Poisoned Well', primarily because security procedures at the agency are far from satisfactory; at a standard not deemed appropriate or prone to subversion.



WHITEHATTERS SEEKING A NEW GENERATION

UK embarks on programme to recruit emerging cyber talent as British and American Intelligence forge even closer ties to counter hackers, cyber spies and terrorists

More and more emphasis is being given to cyber security worldwide and the potential threats posed from the disruption, destruction or theft of information from critical infrastructures via cyberspace.

As the world becomes more inter-connected 'traditional' crimes (information and technology theft) are now being perpetrated through

cyberspace. Little wonder then that contracting agencies have opted to use non-traditional methods to 'tap the shoulder' of new recruits.

Whilst GCHQ is known to protect Britain from cyber-attacks and keep international cyber players under technical surveillance, another hugely important agency, Her Majesty's Government Communications Centre (HMGCC) situated in Hanslope, ensures



Paul Beaumont

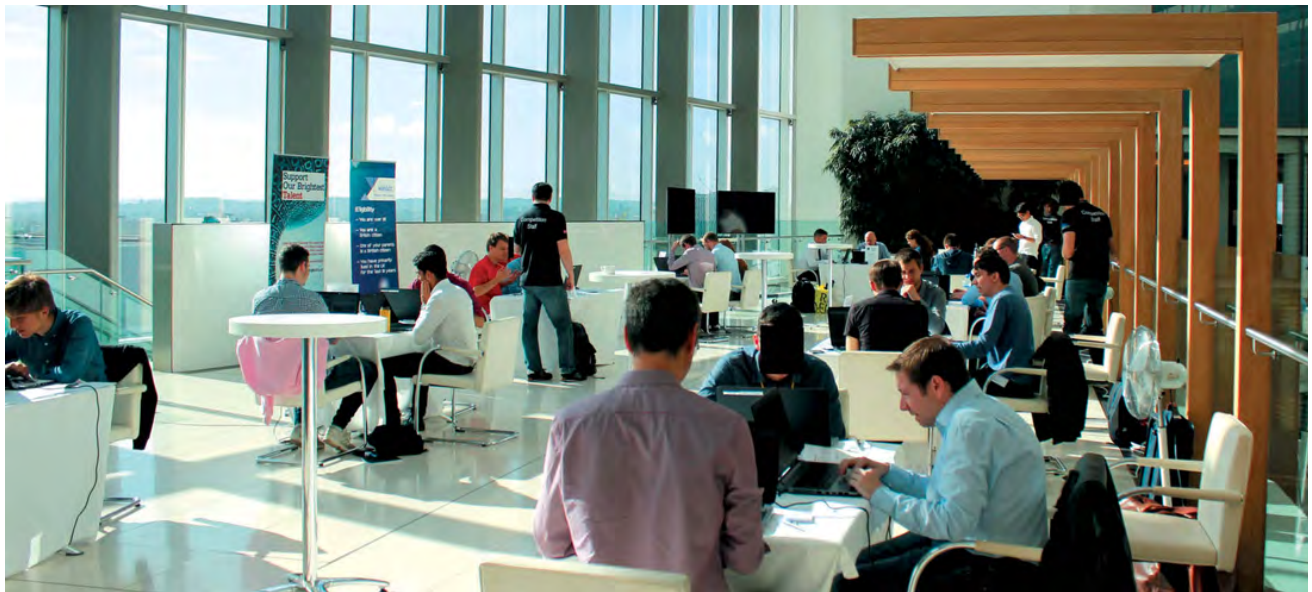
technological leadership for present and future developments and ensuring the country's communications are encrypted to the highest standard.

HMGCC's programme, called the Cyber Security Challenge, is a series of events and competitions, learning programmes and network initiatives designed to identify potential new recruits.

CYBER CHALLENGE 2016

On 3 September, Eye Spy Intelligence Magazine was invited to one such event. Hosted at BAE Systems (defence and security





The teams begin their challenge to counter and identify various creative cyber threats manufactured by intelligence and cyber security specialists. A number of participants will find employment in the industry



aerospace) office in the Blue Fin Building in Southwark, London (above). Nine teams tackled replicated emerging cyber threats to Smartphones and tablets; in this case a high profile attack on a fictional secure payment app and website.

The players were given BAE and HMGCC advice to pull apart the company's server,

work out how to detect a compromised Smartphone, search source files and then report to the organisation's board on their findings.

Apart from the work of addressing a laptop to seek the solution, an interesting task was the live tapping of a CAT5 ethernet network cable without interrupting the data flow. With little advanced knowledge, the teams had just twenty minutes to breach the cable insulating sleeve to expose the four pairs and to select which pair carried the data.

Working against a countdown clock and a soundtrack from the popular spy movie 'Mission Impossible', with just seven minutes left, the team of three we observed successfully breached and connected the data carrying pair to their laptop, received and processed the data to receive a message that announced their success. ➤



CAT5 cable for carrying signals

CYBERSPACE

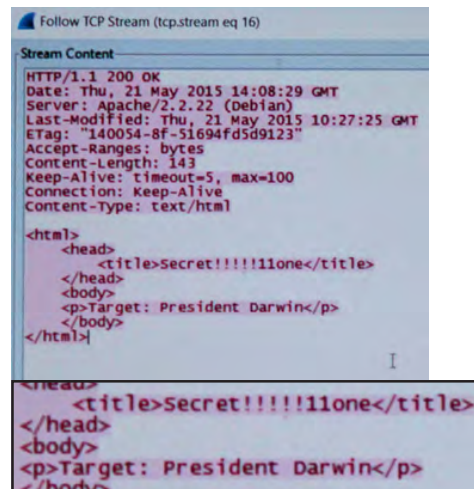
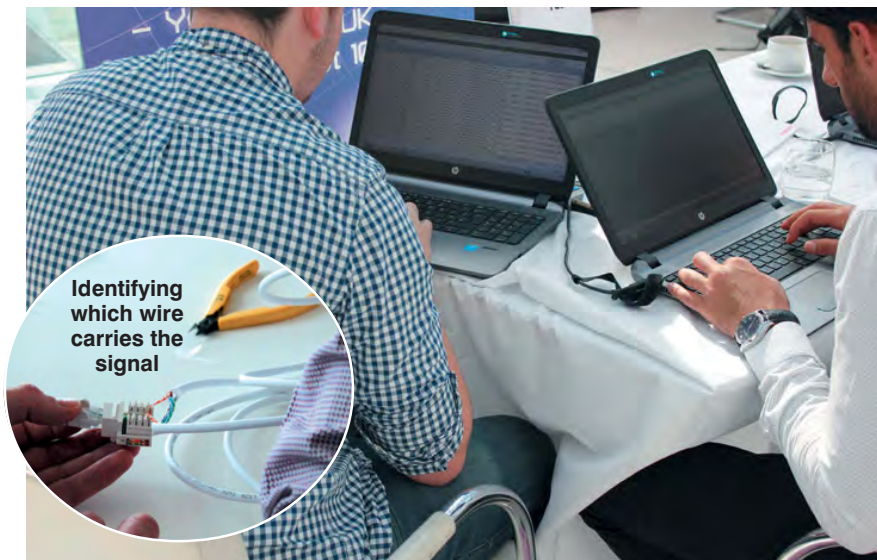


Commenting on the importance of all aspects of cyber, Pauline Neville-Jones, Minister of State for Security and Counter Terrorism and former Chair of the British Joint Intelligence Committee (JIC), said:

"Cyberspace is woven into the fabric of our society; it is integral to our economy, our communities and our security. Defending all of our interests in cyberspace is a relatively small cadre of talented and highly skilled public sector and private sector cyber security professionals.

"This pool of professionals must grow and the Cyber Security Challenge UK offers an innovative and exciting way of attracting talented individuals to take up rewarding careers in this field."





There were a number of assessors walking around the floor whilst the teams battled for the first prize and I was lucky to speak to 'Oscar' who was responsible for the 50 volunteers who assisted the candidates.

Later, I attended the briefing for assessors and noted the use of Blackberry devices. These are regarded as "more difficult to break into," than android devices, whose operating system, derived from Java, is being investigated by the teams. All very interesting.

In conversation with 'Coryn', an assessor, I learned he had once been a candidate in the

Cyber Security Challenge UK. Now employed in the cyber security industry it became apparent that like 'Oscar', he was extremely knowledgeable. He explained in easy-to-understand language the manner in which the 'game' was being played. In this case, not only had an application been supplied when uploaded to a cell phone, it also compromised the Smartphone chip allowing outside access by persons unknown. It was against this background the nine teams operated.

The legal framework under which the candidates worked

was the same one would expect in government or private employment; emphasis in the mark range [from 5 at expert level to -2 where team pro-activity, ethics etc. had not been seen]; contestants were marked on how they solved problems, their approach, methods, teamwork delegation and raw skills.

The winner of this year's challenge was the 'Red Team', consisting of Andy, James and Lisa and will go on to the Masterclass Grande Finale in November 2016.

STUXNET - A VIRUS FOR ALL SEASONS

Intelligence sources claim the Stuxnet cyber attack targeting Iran's nuclear defence sites rendered at least 20% of operational nuclear centrifuges unfit for use. The operation, a joint US-Israeli venture was codenamed Olympic Games and began in 2006



HOW STUXNET WORKED



Stuxnet enters a system via a USB stick and proceeds to infect all machines running Microsoft Windows. By brandishing a digital certificate that seems to show that it comes from a reliable company, the worm is able to evade automated-detection systems.



Stuxnet then checks whether a given machine is part of the targeted industrial control system made by Siemens. Such systems are deployed in Iran to run high-speed centrifuges that help to enrich nuclear fuel.



If the system isn't a target, Stuxnet does nothing; if it is, the worm attempts to access the Internet and download a more recent version of itself.



The worm then compromises the target system's logic controllers, exploiting 'zero day' vulnerabilities software weaknesses that haven't been identified by security experts.



In the beginning, Stuxnet spies on the operations of the targeted system. Then it uses the information it has gathered to take control of the centrifuges, making them spin themselves to failure.



Meanwhile, it provides false feedback to outside controllers, ensuring that they won't know what's going wrong until it's too late to do anything about it.



Bob Nowill, head of the Cyber Security Challenge UK commented on the event: "It's about trying to encourage people to come in who are not already cyber security professionals. We've all seen headlines about the skills gaps in the STEM subjects - Science, Technology, Engineering Maths and in cyber security in particular."

Eye Spy understands that following proceedings, several participants were invited for 'fast track technical interviews'.

This fascinating event necessitated the presence of those in the 'job'. It is noteworthy that as an outsider, I was given much assistance and made to feel most welcome.

- Eye Spy would like to thank Mike Cheng, Bryony and Dr Bob Newill for allowing an insight into the work that parallels the secret world protecting Britain's infrastructure and national freedoms and for allowing Associate Editor Paul Beaumont to photograph the processes used in countering the threat of cyber attacks.



CYBERWARFARE OFFENSE AND DEFENCE

LONDON: US Defense Secretary Ash Carter and his British counterpart Michael Fallon have met in London, to sign a first-of-its kind agreement to jointly advance offensive and defensive cyber capabilities.

Calling Britain a "staunch ally," Mr Carter said a new 'cyber memorandum of understanding' will enable the two nations to share more information and perform vital research and development together to advance their offensive and defensive cyber capabilities as they partner in new ways and in new domains to strengthen their longstanding alliance.

NSA/US CYBER COMMAND TO SPLIT?

Senior defence and intelligence figures have discussed the separation of US Cyber Command from the National Security Agency (NSA). Currently both organisations fall under the command of NSA Director Admiral Mike Rogers.



The move, supported by National Intelligence Director James Clapper and Defense Secretary Ash Carter, would see two chiefs appointed. The proposal appears to stem from a 2013 recommendation to reform the NSA in wake of the Edward Snowden affair.

weapons and counter global threats to defence and infrastructure.

At present, the intelligence elements exploit and use the same technologies. A panel which discussed the separation concluded: *'There is a pressing need to clarify the distinction between the combat and intelligence collections missions. Because the two roles are complementary but distinct, the Director of the NSA and Commander of US Cyber Command in the future should not be the same person'.*



'CLEAR MESSAGE' TO ADVERSARIES

"This agreement sends a clear message to our adversaries that the two nations who partnered together at Bletchley Park decades ago to crack German codes are going to be doing more together in yet another arena - namely cyberspace," Mr Carter said.

During his three day visit to the UK and Norway, Mr Carter also praised Britain's long-running commitment to helping diffuse various conflicts and tackling terrorism globally. "That's important, because the British military is doing so much around the world - on its own, as part of NATO, and with the United States. It's increasing its personnel contributions to NATO's Resolute Support Mission in Afghanistan. We're grateful for that. It's also strengthening our collective deterrence against Russia, as well as leading in the NATO alliance not only by keeping its pledge to spend two per cent of [its gross domestic product] on defence, but also in the field."

NSA is seen as America's digital espionage and communications arm, whilst US Cyber Command has been likened to an organisation which can legally deploy offensive cyber



SURVEILLANCE



NEW YORK CITY

As Americans and many people around the world remember and reflect upon the appalling attack on the United States 15-years ago, Eye Spy Editorial recently examined street level security in this iconic, welcoming but watchful city



In July, a major section of Terminal 8 in New York's JFK International Airport was closed as people reported hearing gunfire. Hundreds of people fled as panic ensued, many leaving their bags and belongings in situ. Others were reportedly hurt as people rushed through perceived escape doors. Moments later dedicated security officials raced to the scene to identify the source of the shooting. Echoes of the terrorist incidents at Brussels Airport in Belgium and Istanbul's Ataturk Airport played on the minds of the specialist police who have trained extensively for such a scenario, but despite a major search of the terminal, there was no evidence whatsoever of a gunman. It later transpired that the 'cracking' sound of gunfire was nothing but applause from a group of passengers cheering on Usain Bolt in the 100 metres race at the Olympic Games in Rio.

Despite the professionalism of those police officers caught up in the incident, there was much criticism from a number of security analysts about the manner in which some airport staff had acted. The incident happened



on the non-secure side of the terminal, and passengers were angry that no-one seemed to be able to help, or at the very least, direct members of the public towards safe areas. Joe Sitt, Chairman of Global Gateway Alliance* said: "The chaos that ensued across terminals does show the need for a better airport-wide response and clearer communication with passengers so they know what to do to be safe in a real emergency. At such large airports as JFK, passengers need to know who the security buck stops with." Sitt's observations were made after it emerged that some airport officials, including a TSA screener, told fleeing passengers, "the situation was not in the security agency's

Fixed NYPD counter-terrorism position in central Manhattan



jurisdiction.” Other security analysts explained that there appears to be a “patchwork of different agencies” charged with keeping passengers, airport and airlines safe. Besides police at the airport, NYPD despatched more than 100 officers to augment security - believing a possible terrorist event was in play.

Two hours later the Port Authority, which essentially manages the airport and has its own police patrol delegation, gave the all clear. It later acknowledged communication was “inadequate during the incident.” New York Mayor Bill de Blasio and State Governor Andrew Cuomo called for an investigation into

the incident. De Blasio admitted that communication between airport workers and passengers was not good enough. “We all have to do better at the airports,” he said. “That means NYPD, Port Authority Police, City, State... all working together.”



Mayor Bill de Blasio



Special police officers attached to the city's NYPD Hercules elements - heavily armed but utterly professional and extremely watchful



OVERT AND COVERT

A little over a decade ago, Eye Spy was given a special and valuable insight into a NYPD specialist security (police) section - better known as the Hercules Teams. One could almost describe the officers as a pseudo-military force, heavily armed and travelling in unmarked black vehicles and vans, the section was established in the wake of 9/11 to provide the public with assurance. And just as important, they are a deterrent to any terrorist believing the city is a soft target. It is not... one would not really want to engage this force or any other section of NYPD if terror is on your agenda. They will respond immediately. Today, these ultra professional and friendly officers are still engaged on the streets of the city, and in general, are welcomed by New Yorkers and the millions of tourists who visit the city every year.



Security is both overt and covert around Lower Manhattan and especially the ferry terminals and gardens. Plaques and memorials such as the above can be found throughout the city remembering 9/11

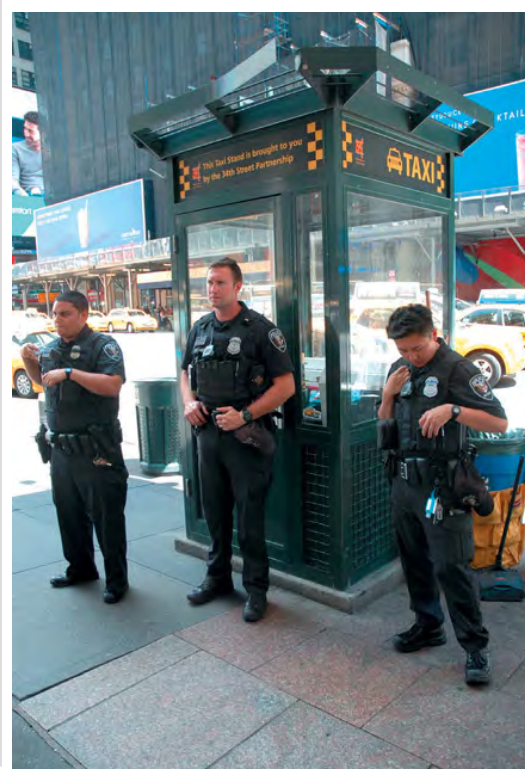
As terrorist strikes continue around the world, Eye Spy noted some subtle and obvious changes in the way the city is being protected today. There is little doubt New York remains a primary target. Vigilance is an appropriate phrase and at well known tourist hubs such as Times Square, the city now has what could be described as a static 24-hour counter-terrorism force. Indeed, even the uniforms display the wording 'Counter-Terrorism'. Allied with roaming Hercules units who continue to appear unannounced just about anywhere in Manhattan, one senses these officers truly believe an attack is likely. However, they are ever alert and watchful - just like a decade ago - perhaps even more so.

SURVEILLANCE

When Osama bin-Laden's terrorists struck 15-years ago, many New Yorkers were opposed to CCTV, save for monitoring important buildings, primary road junctions and airports. Today, the situation is very different and many NYPD cameras are prominent and clearly advertised throughout Manhattan. Today, more than six thousand cameras secure imagery which is directed to a major data hub. The system is enabled to read car registration plates and conduct active single or multi-person (and vehicle) street surveillance. And just for reference, let's not forget several strategically placed radiation and chemical detectors which were erected following al-Qaida's threat to use such weaponry a

decade ago. Such units, it should be noted, are functioning in many major cities, including London.

A specialist team of watchers record, monitor and note street activities and can direct city police quickly and efficiently to an incident





New security structures can be found in areas supporting important businesses such as those in the city's financial areas and popular tourist locations



TIMES SQUARE 24-HOURS-A-DAY ROLLING INTEL NEWS



ISLAMIC STATE (DAESH) IS LOSING GROUND MILITARILY



NEW TALIBAN LEADER MOVES TO REPAIR FRACTURES

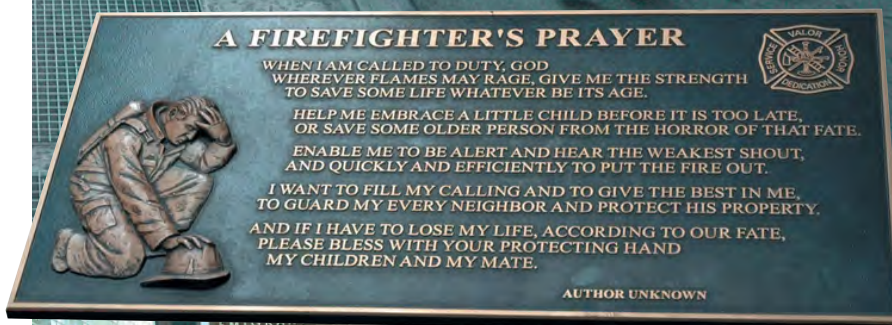


EGYPT SAYS IT HAS KILLED HEAD OF ISLAMIC STATE AFFILIATE



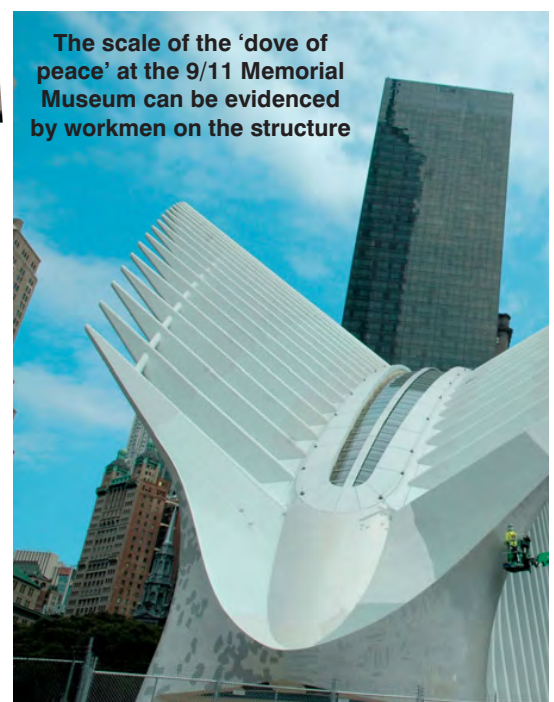
to be sourced and managed post haste. The city's leaders lost no time in establishing NYPD overseas liaison positions following 9/11. In reality, New York acted on its own - without waiting for clearance from Washington. Some officers were despatched to New Scotland Yard, whilst others found themselves working in 'hot spots' such as Yemen and Afghanistan. That network has now been enhanced and some observers have described it as an intelligence collection agency, albeit one that remains under the radar.

'Things' don't always run smoothly for one of the biggest police forces in the world. And in recent times there has been much controversy about undercover operations targeting the city's mosques and Muslim events. This type of surveillance began after 9/11 and was effectively controlled by NYPD Intelligence



or area of interest. Not too much is known about (or advertised) the covert surveillance officers who regularly patrol the city or are retained in concealed fixed observation posts. This surveillance network expands beyond the city and has been dubbed the 'Ring of Steel' - named as such after Greater London's security system. The network expands around the boroughs of the city and includes the port and water areas. All surveillance video footage is terminated after 30 days, and car recognition data after five years.

Communication with federal organisations such as the FBI, CIA, the country's armed forces and international bodies continues to be enhanced. Besides Secured Telephone Lines (STL), NYPD has created a global intelligence network which allows information



The scale of the 'dove of peace' at the 9/11 Memorial Museum can be evidenced by workmen on the structure



Eye Spy editor Mark Birdsall pictured with an NYPD counter terrorism officer



A permanent CT post is situated near the US Armed Forces Recruiting Station

Division. However, it wasn't until 2012 that stories started to emerge of 'demographic targeting'. It transpired that intelligence was being collected on those attending mosques by undercover officers, and included eavesdropping. This has now ceased, but the fallout continues and some mistrust still exists.

BUILDING SECURITY

A notable difference in the city is the building of 'security architecture'. This is less obvious than fixed police vehicles and patrol points blocking off areas around Lower and Central Manhattan which was in evidence for years following 9/11. Instead, cleverly built steel balustrades and moveable road block plates which can be drawn in seconds are evident. Visibly different to the Portland stone security balustrades that now line entire streets

protecting buildings in Whitehall, London, New York is trying to inject a sense of normality in areas deemed 'high profile terrorist targets'. Of course that's fine on a street level, but what about inside buildings?

Since 9/11, private security and the city's watchers have worked incredibly hard to make sure sites of public interest such as the Empire State Building remain secure. So too around the ferry areas of Manhattan where



Two waterfall memorials built on the site of the twin towers are a poignant reminder of 9/11





Security is visibly evident at the vast majority of New York's primary buildings, airports and tourist locations



One World Trade Center tower is a dominant landmark in New York. Built close to the original site of the twin towers, the building soars to nearly 1800ft



© KEVIN COUGHLIN/OFFICE OF GOVERNOR ANDREW CUOMO



At transport hubs and airports, New York State troopers are now a regular sight. The soldiers explained they work closely with all elements of NYPD and other federal concerns, such as the FBI



NYPD Emergency Service Unit (ESU)



Officer of the NYPD Counter Terrorism Bureau



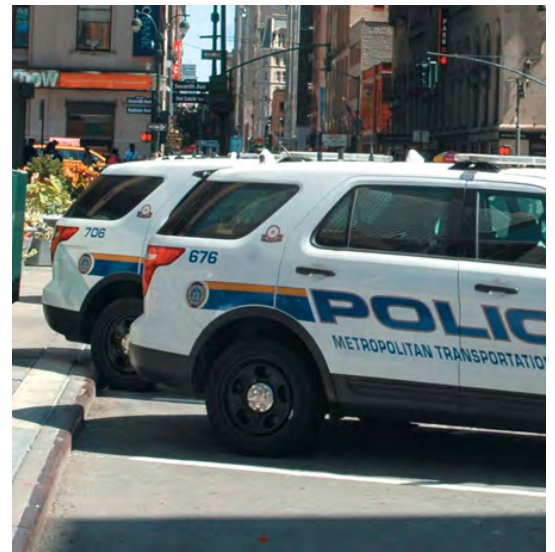
Heavily armed NYPD officers are noticeable at numerous road, bridge and tunnel points



Left: New York State Governor Andrew Cuomo joined hundreds of motorcyclists as they journeyed to the site of the World Trade Center to honour the victims of 9/11. Mr Cuomo also announced that a new memorial will be built in the city to honour the hundreds of emergency workers who perished on the fateful day 15 years ago



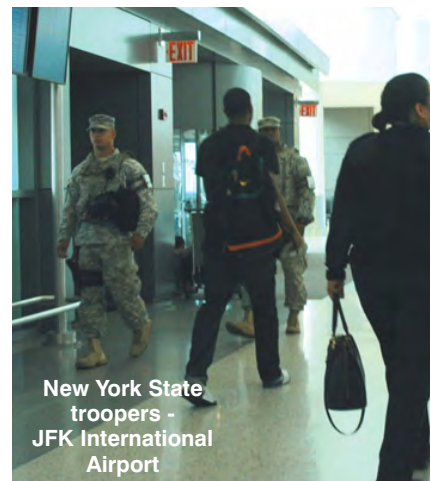
Strategic Response Group (SRG) officer Mariana Diaz



thousands of tourists embark upon a short journey around the Statue of Liberty. Indeed, Eye Spy noticed surveillance operatives mingling with crowds, and fixed watchers who monitored for suspicious activity. The ferries too have both overt and covert protection officers. At public events and elsewhere, NYPD utilise useful technologies such as ShotSpotter, which can detect the sound of gunfire.

Within buildings supporting major transport hubs in the city, security is prominent. In the airports and transport terminals such as Grand Central and Penn Station, armed State trooper units patrol within. The teams were especially evident at JFK. Tentative and watchful are two words which could describe the troops, but discussing their primary role with the troops, it was evident they have been specially trained for the role. Again, the public seemed comforted knowing that together with armed units of NYPD officers, the soldiers were there for one task only - protection and safety.

Around the 9/11 World Trade Center memorials security is naturally enhanced; though we were somewhat surprised at the behaviour of



New York State troopers - JFK International Airport



some visiting tourists. Many seemed to have forgotten the events which took place here 15-years ago, and what the iconic structures displaying the names who died here represent.

Operation Nexus, an NYPD endeavour which began after 9/11 is still running and is part of an incredibly important plan to engage businesses and local people with the city's counter-terrorism and protection effort. Throughout our visit we encountered a number of police and security units formed only recently including the Strategic Response Group (SRG). This is a quick response element comprising of around 600 specially trained and very heavily armed and well equipped officers. Established in 2015, the SRG's primary role is to engage quickly any terrorist threat. The force, trained in all manner of tactics (some liken this to Special Forces training) also operates with the Counter Terrorism Bureau.

Whilst conducting our researches, news of a targeted killing in the Queens borough appeared across New York's media. There were references to terrorism, ISIS and all



Imam Maulama Akonjee was shot dead along with a colleague outside this building in Queen's. The local community called it a "hate crime"

manner of theories. A gunman had calmly walked across a street and shot Muslim Imam Maulama Akonjee, 55, and his assistant Thara Uddin, 64, at point blank range killing the men instantly. The killer was named as Oscar Morel, 35. He denies shooting the men but was arrested following analysis of CCTV footage. The appalling incident served only to raise tensions in some quarters of the city, but Eye Spy was told the only reason Akonjee and his colleague were targeted was because of their faith. "It was a hate crime," sources said, "directed against Islam."

TERRORIST ATTACK IN NEW YORK

Is there a 'nervousness' in New York? A little, but it's no different than that found in other cities and in respect of security, it is as good as it gets. However, unlike most cities the 'Big Apple' is a *primary target* - vulnerable to ➤



New York State trooper - Penn Station



The city's subway system has a special undercover team of surveillance officers. Security is both overt and covert



FBI and NYPD detectives at the scene of the Manhattan explosion



terror strikes by residents or visitors who have managed to avoid detection by the authorities. This was evidenced on the weekend of 17 and 18 September when the security services were faced with multiple incidents.



Governor Andrew M. Cuomo

On 17 September a pressure cooker bomb (PCB) exploded at 8.30pm in the Chelsea district of Manhattan injuring about 30 people. The device appeared to have been secreted or discarded in a large rubbish dumpster. At 11.00pm, and but a few streets away, police discovered a second PCB with what appeared to be a

cell phone attached for detonation. Both bombs were packed with shrapnel and ball bearings. The unexploded bomb was recovered by a robot in the hope that it would provide a few clues to NYPD and FBI forensic specialists. Analysts likened both devices to those used in the 2013 Boston Marathon bombings.



Pressure cooker bomb (PCB) recovered in New York

Hours earlier, a pipebomb had exploded on the route of a Marine Corp charity run at Seaside Park in nearby New Jersey. The bomb had been





New York Governor Andrew Cuomo (left) and Mayor Bill de Blasio examine the rubbish dumpster which contained the PCB



placed in a rubbish bin. Police confirmed that there were no injuries to participants or the public - primarily because the race had been delayed for over an hour. Yet interestingly, the initial response from NYC Mayor Bill de Blasio was cautious. "There is no evidence to suggest the bombing was related to international terrorism," he said.

CCTV ANALYSIS

NYPD turned to its network of CCTV cameras in the hope they could provide a breakthrough. Thankfully, cameras recorded a man placing a

PCB on 23rd Street and minutes later on 27th Street. The suspect was recorded pulling a suitcase which he later abandoned. Moments later two men passed by and examine the bag removing the PCB which they placed on the floor. They duly walked away with the rolling suitcase. The FBI would soon release the images, though they described the men as "witnesses not suspects." Two weeks later contact was made with the men, who turned out to be Egyptian pilots

The usefulness of CCTV and camera data again proved pivotal, as the imagery showed various 'persons of interest', including a likely 'lone wolf' operative. And with more evidence secured from elsewhere, including fingerprint data and a primary tip from a resident in New



The bomb blast at Seaside Park, New Jersey, was a precursor to a spate of events in the city and New York

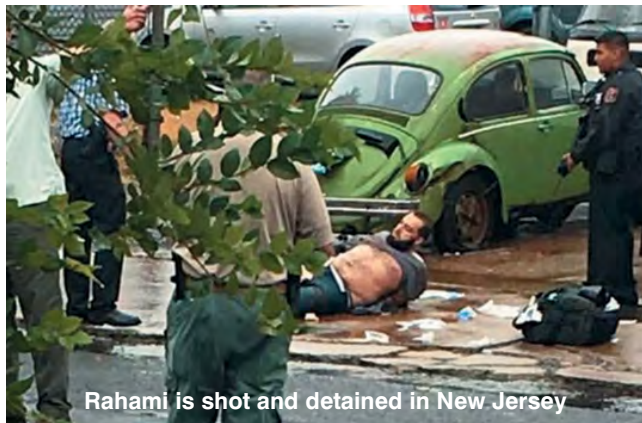


Prime suspect caught on CCTV pulling a wheeled bag containing a PCB in Chelsea prior to the explosion



The FBI released this image of two men they wanted to question - they were described as 'witnesses'

Jersey, NYPD officers stopped a vehicle near the Verrazano-Narrows Bridge on 18 September. Five people, some believed to have been carrying firearms were detained. All the suspects were released shortly thereafter and no charges were brought. The FBI said the SUV was stopped because it was "associated with a location used by the suspect. An hour-or-so later, five viable IEDs were discovered at Elizabeth station in New Jersey. A man had examined a discarded bag and noticed several wires leading to what appeared a metal pipe. He duly alerted the authorities. A special bomb disposal robot accidentally detached the wiring from one device and the IED exploded.



Rahami is shot and detained in New Jersey



NYPD Commissioner James P. O'Neill speaks to journalists following the Chelsea bombing



CCTV stills from a camera released by New York State Police. The frames show Rahami carrying a bag which contained at least one viable PCB



CHANGING FACES: These identification photographs all show Rahami

The incident and force of the blast was captured on film.

All of this data and evidence should have been sufficient for city officials to link the incidents to international or domestic terrorism. De Blasio now acknowledges this. Officers from the FBI Joint Terrorism Task Force and NYPD

CT investigators then began poring over hours of CCTV footage. But the major breakthrough came when a fingerprint was discovered on one of the unexploded bombs. The data was routed through state and federal criminal data banks and a match was found. However, the suspect was not flagged on any terrorism registry or travel watch list.



Rahami is detained following a gun exchange with New Jersey Police in Linden. Though struck by several rounds, he made a speedy recovery

Al-Qaida instructions on how to assemble a PCB titled: 'How to make a bomb in the kitchen of your mom'



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abc7NY



Security - though already visibly strong - was increased throughout New York and New Jersey

On the morning of 19 September, the FBI released a photo of prime suspect Ahmad Khan Rahami, a 28-year-old Afghan-born US citizen and a resident of New Jersey. Bureau officials connected him to all the Manhattan and New Jersey incidents. An indication the NYPD were satisfied they were not looking for additional players - bar Rahami - came when State Governor Cuomo said that whilst there was no "ongoing threat to the city," he would deploy a further 1,000 members of the National Guard and State Police at specific locations including major transport hubs.

Interestingly, New York City's excellent alert system was engaged - thus millions of city residents received text warnings of the bombings and a description of Rahami.

Within a few hours New Jersey Police announced they had detained Rahami after a shooting incident just south of Elizabeth in Linden. A local bar owner had reported a man

sleeping in the doorway of his establishment - it was Rahami. Police officers arrived at the scene and challenged the suspect. He duly started firing at the officers. Two police officers suffered gun shot wounds but Rahami, who was himself wounded in the exchange, was arrested and taken to hospital. He recovered quickly and within 24-hours NYPD released a new image of the terrorist.

Eye Spy sources informed that the FBI and NYPD were investigating possible links to an "overseas terrorist group." This was primarily because Rahami had visited Afghanistan and Pakistan on a number of occasions in the last few years - the thinking being that he had been radicalised and/or recruited. Electronic media, computers and cell phones were recovered from various addresses, including items from his family's food outlet. This will hopefully provide a further insight into why he decided to carry out the attacks.

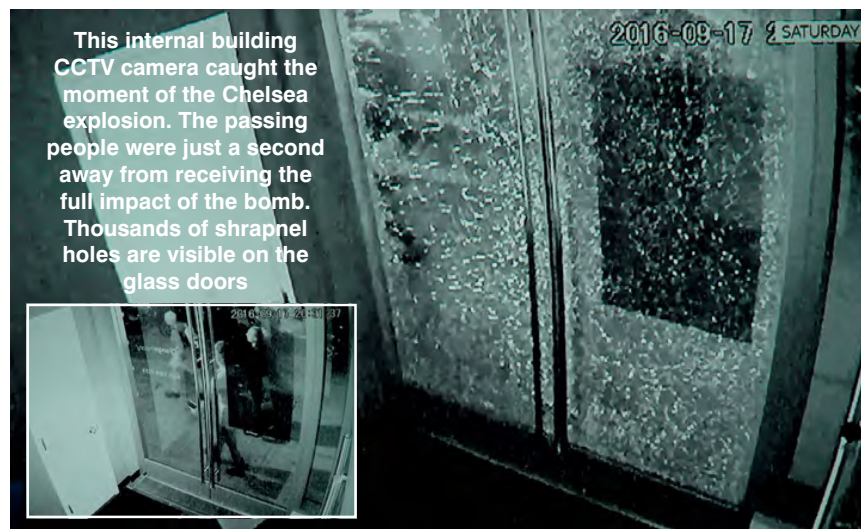
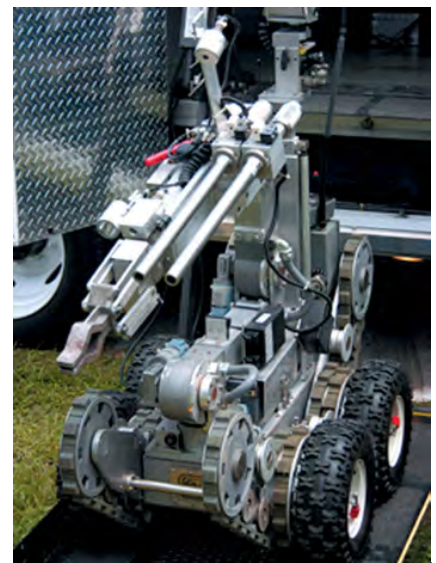
Continued on page 82



NYC Mayor de Blasio speaks about the attacks

THE WRONG WIRE

A special FBI bomb disposal robot accidentally detonated one of Rahami's PCBs - the blast caught on camera



This internal building CCTV camera caught the moment of the Chelsea explosion. The passing people were just a second away from receiving the full impact of the bomb. Thousands of shrapnel holes are visible on the glass doors



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Tentacles of China PLAYING

Chinese state owned power company CGN, along with Szuhsiung 'Allen' Ho, an American nuclear engineer born in Taiwan who recruited US consultants for CGN, are under indictment in the USA for espionage

The FBI charges have cast a cloud over plans in the UK to build an £18 billion nuclear facility co-financed by CGN. Prime Minister Theresa May has hesitated making a decision on the Hinkley Point plant in southwest England, with close advisors warning that China's involvement could pose a serious security risk. Nick Timothy, an associate of the prime minister warned, China's involvement could "shut down Britain's energy production at will."

THE FBI INDICTMENTS

Szuhsiung 'Allen' Ho, 66, is accused of conspiring to help Beijing obtain restricted US nuclear technology over two decades and of acting as an unregistered agent of the Chinese government - candid wording for a spy. In 2014, five Chinese military officials were indicted in absentia for stealing trade secrets from US companies, including Ho's previous employer, Westinghouse Electric Company, a unit of Japan's Toshiba Corporation, that designs nuclear power plants. Ho recruited experts from Westinghouse to travel to China and consult for CGN.

One of Ho's alleged network of agents, Ching Ning Guey, has already pleaded guilty to



Szuhsiung 'Allen' Ho

ese Intelligence Services Evident in UK and USA WITH RED FIRE?



Prime Minister May - 'decisions'

conspiring to help Beijing obtain restricted nuclear technology, and is cooperating with US investigators in the Ho case. Ho invited Guey to China in 2004, and whilst there, Guey gave the Chinese Government restricted reports.

When Ho was arrested he was in possession of a random code generator to remotely gain access to accounts at the Bank of China. He has been denied bail and faces life in a US prison in what prosecutors call an "extremely significant national security case." Ho has pleaded not guilty.

ESPIONAGE AND 'SIGHTSEEING'

In addition to the CGN controversy, a report issued a few months ago has been re-sent to Theresa May at the urging of US intelligence chiefs in London and may add to the Hinkley Point decision saga. The report confirms that two Chinese ground engineer officers who trained with the RAF in a goodwill exchange



Emblem of the Chinese Army Air Force

programme were in fact high-level intelligence officers.

The liaison programme was spearheaded by former Chancellor George Osborne and former Prime Minister David Cameron in an effort to establish new trade links with the People's Republic.

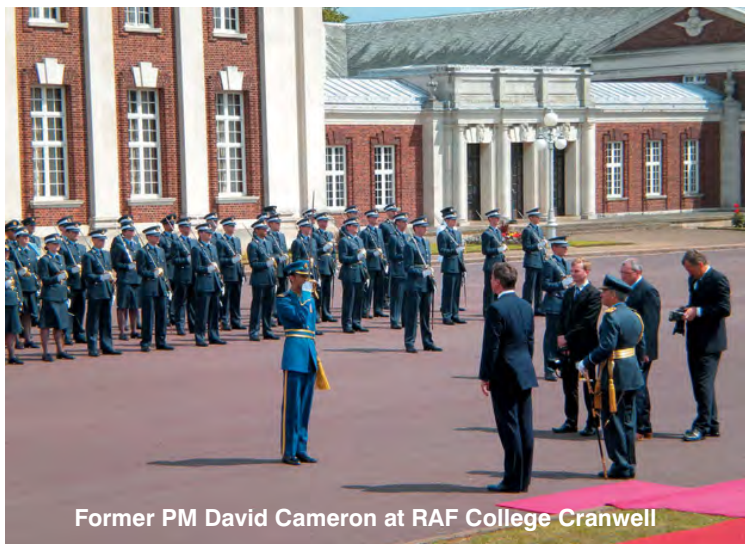
Lt. G. Huang and Captain S. Tong were the first Chinese military airmen to be trained at the renowned Royal Air Force College in Cranwell, Lincolnshire. Air Vice-Marshal David Stubbs presented their wings after an extensive 18-month course; much of the material contained in the coursework provided access to low-level classified information.

It was however, their off-base behaviour that brought them to the attention of British Intelligence. The services began monitoring the use of their weekend passes and were concerned when they chose not to visit the usual tourist destinations - instead

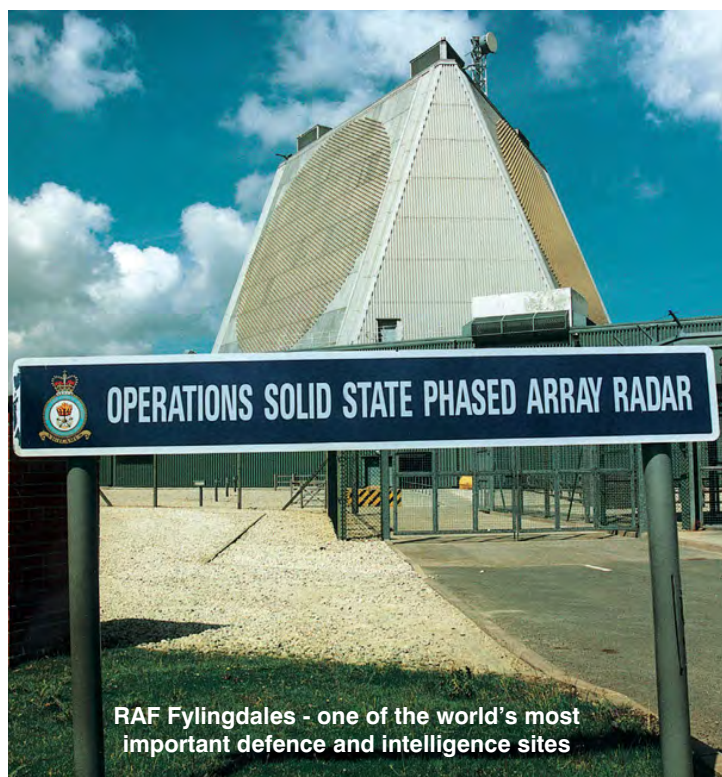


they spent sixty per cent of their free time in only one place - North Yorkshire - at the Ballistic Missile Early Warning System (BMEWS) and communications base RAF Fylingdales. Originally developed during the Cold War, Fylingdales is an integral part of the US nuclear missile defence programme. The two officers are now back in China and serving in a ballistic missile installation.

- The Hinkley Point agreement was officially signed in late September at a low-key ceremony in London.



Former PM David Cameron at RAF College Cranwell



RAF Fylingdales - one of the world's most important defence and intelligence sites

INSIGHT

DNV GL

RAF SPADEADAM

SPECIAL
EYE SPY
REPORT

Eye Spy was recently invited to the opening of DNV GL's new test, research and conference facility which occupies 50 hectares of land within RAF Spadeadam, an important Ministry of Defence base on the border of the remote Cumbrian and Northumberland countryside in northern England. Amongst the 100-or-so invited guests were representatives of various well known companies, media and security officials

The picturesque site, surrounded by gentle hills and woods, allows defence and private sector companies the ability to examine the blast effects associated with high explosives, including simulated terrorist attacks. The centre is the largest of its kind in the UK and features some of the world's most advanced destructive and non-destructive test facilities.

Amongst its many research platforms and training courses, users can conduct major large-scale hazard tests, including flammable gas dispersion, fires, explosions, pipeline fracture tests etc. Similarly, engineers and analysts can examine in detail the aftermath of such events allowing the production of new and better products. There's even an associated research programme which explains the threat of



Graham Bennett, Business Development Manager for the UK and West Africa with Eye Spy editor Mark Birdsall



CONFLAURATION

The vapour cloud is 6kg of propane in an 80 metre volume ignited at one end with a spark generator



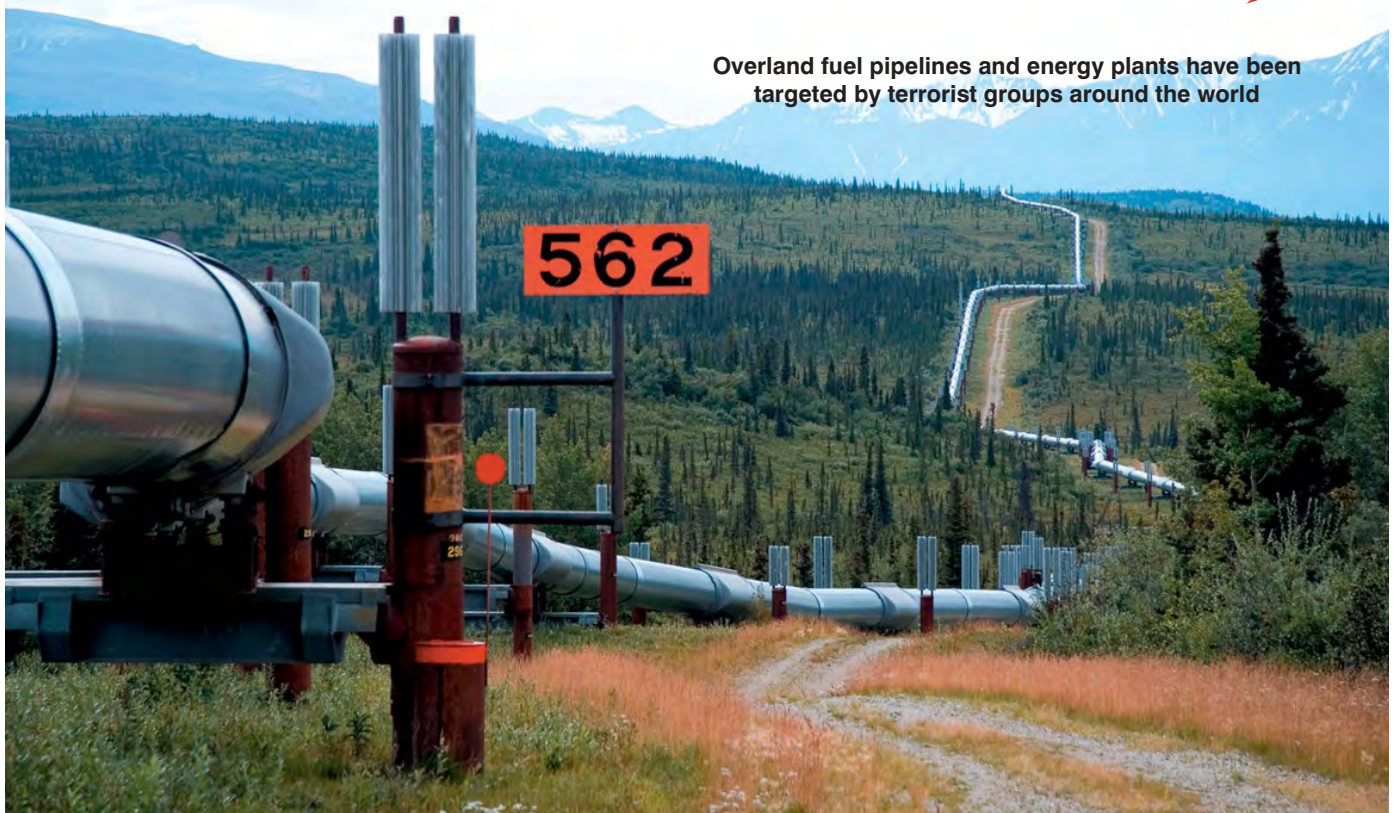
cyber attacks. All explosion tests are conducted in a safe and secure environment close to the DNV GL research site and impressive new conference centre.

Three primary events took place during our visit; an overview of the history and work of DNV GL and the hugely important service it provides to all types of energy suppliers, especially in the areas of security, training and information sharing. Outdoors, after donning

suitable safety clothing and equipment, several tests were evidence enough of the destructive impact of explosions on pipelines and structures. The noise, heat and blow-back of the explosions provided a chilling insight into what happens when things go wrong. But of course, counter-measure technology was discussed, including how scientists could examine the results and improve safeguards. All the tests were performed in controlled areas and impressive. And away from the

central test areas, pipelines could be examined showing the destructive nature and power of an explosion.

The day's finale was the official opening of a truly world class conference centre by the Rt. Hon The Lord Cullen of Whitekirk KT: "I welcome the creation of this conference centre for the support of training. Hazard awareness is essential for the successful management of safety in the interface



Overland fuel pipelines and energy plants have been targeted by terrorist groups around the world



Rt. Hon The Lord Cullen of Whitekirk
KT opened the new centre

between people, plant, and equipment with which they have to work.”

INSIGHT

Throughout the day, the company’s senior management and training officers were on hand to answer questions (security considerations followed meticulously of course). And Eye Spy would like to thank Gary Tomlin, VP Safety and Risk and Graham Bennett, Business Development Manager for the UK and West Africa for their insightful description of the work carried out by DNV GL.



Gary Tomlin

BANG BOX

Confined vented explosion is 7kg of propane in 81 metres ignited at the rear of the chamber with a spark generator



Of Spadeadam Dr Tomlin said: “The centre allows people from all industry sectors, to gain a valuable insight into the risks that our people, assets and the offshore environment face on a day-to-day basis.”

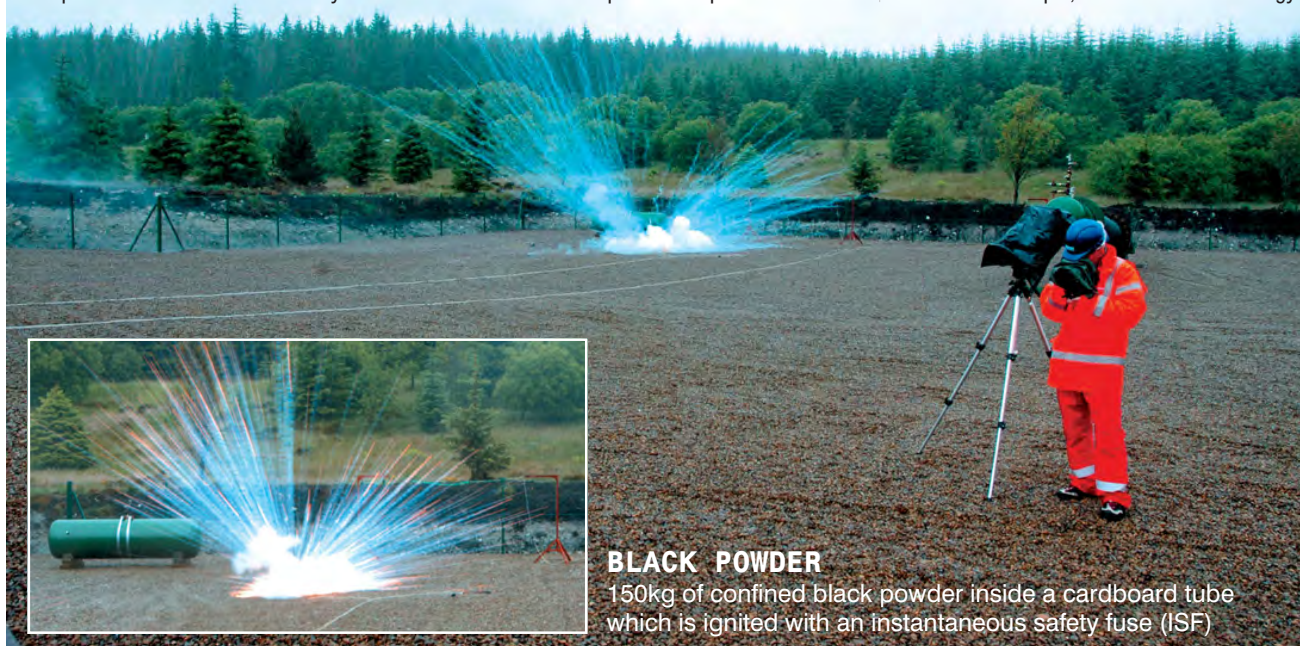
CEO of DNV GL, Elisabeth Torstad, agreed: “The primary role of the Spadeadam Testing and Research Centre is to provide our clients with the knowledge and understanding to ensure risks are reduced and operations are safer.”

Hari Vamadevan, Regional Manager for the UK and West Africa added: “The demonstrations today, showcasing an explosion simulation and a pipeline failure have been a real testament to the capability of the centre at Spadeadam. Although the oil and gas and other industries are facing challenging times, safety is one area which cannot be compromised and it is important we provide an

environment where research and training can be conducted safely, securely and confidentially.”

A VALUABLE TEST SITE

Eye Spy has various associate editors who are familiar or have worked in the area of energy production, security and transportation. And in these increasingly difficult times where the subject of supply is inextricably linked to security and safety, such facilities as those within RAF Spadeadam are becoming incredibly important. Oil, gas and other types of energy supply are words not necessarily immediately associated with the world of intelligence, but they are probably the top of most agendas when officials are faced with countering the impact of a terrorist explosion, accident, sabotage, plant failure or cyber disruption. Delve into the history books of warfare for example, and one can find energy



BLACK POWDER

150kg of confined black powder inside a cardboard tube which is ignited with an instantaneous safety fuse (ISF)



(in all its forms) was a keen consideration. And today on a broader landscape, most production firms, besides discussing plant safety measures, maritime issues and pipeline security, sadly have to consider attacks by groups intent on causing havoc.

For decades the energy industry has been targeted by terrorist groups and challenged by

non-state players. Attacks on pipelines, refineries, shipping and oil fields are prevalent. The latest major disruption occurred earlier this summer when a terrorist group calling itself the Niger Delta Avengers struck an oil platform offshore Nigeria. Here a land-based valve was damaged causing a Chevron platform moving oil and gas to close temporarily. It's not the first time the group has

TESTING AND SECURITY



S.B. Tyagi, an energy and security specialist commented on attacks on energy infrastructure: "The attacks undermine the internal stability of the regimes they are fighting, and economically weaken foreign powers with vested interests in the region."

"According to the Global Terrorism Database, terrorist threats targeting the energy sectors have risen sharply with pipeline sabotage becoming an action of choice. A simple explosive device can put a critical section of pipeline out of operation for weeks. Petrochemical complexes, oil rigs and installations have become attractive targets to terrorists."

"With increased threats looming, companies are adopting new measures in their security plans that include developing alternative 'threat scenarios' with various inputs and outputs."



The Rt. Hon The Lord Cullen KT with senior DNV GL officers





struck the oil rich Niger Delta region, and it's highly likely they will strike again.

One of the most audacious attacks took place in January 2013. Here al-Qaida terrorists under the command of the notorious Mokhtar Belmokhtar, launched an attack on the important In Amenas gas plant in Algeria. Many of the near-800 workers were taken hostage. After security forces stormed the plant, most were freed, but thirty nine people lost their lives. Twenty nine terrorists were killed in the resultant battle.

The threat level varies of course depending on the location of such plants, but many of the pipelines (and vessels) move oil and gas for thousands of miles, and often journey through some turbulent areas. Here they share common vulnerabilities including inadequate security and are prone to sabotage. Disruption is a word often used in the energy world.



Security at energy plants around the world is a top priority

What we witnessed at Spadeadam is key in helping to strengthen those areas associated with research, testing, safety and security.

EDITOR'S NOTE: According to the Energy Infrastructure Attack Database, from 2005 through 2015, some 400 attacks were carried out by terrorists and non-state players across the world on energy infrastructure targets. This data does not include plant failures. Thus to

understand what can happen when an incident (of any sort) occurs, and to help guard against such events, the work at Spadeadam is truly important. I would like to thank officials at DNV GL for allowing Eye Spy a special insight into what can only be described as a huge impressive research and test platform.

LINKS: www.dnvgl.com

RAF SPADEADAM A BASE FOR ALL SEASONS

RAF Spadeadam is a station with a unique role, interesting pedigree and diverse customer base. Originally built in the late 1950s as part of the Blue Streak Missile programme, the station evolved into an Electronic Warfare Tactics Range in the 1970s and currently provides a training and trials environment for numerous operational capabilities - such as Time Sensitive Targeting,

Close Air Support, Combat ISTAR (Intelligence, Surveillance, Target Acquisition and Reconnaissance), Air-Land Integration, Counter IED (Improvised Explosive Device), Airborne Platform Protection, Electronic Defence and Change Detection.

RAF Spadeadam's segregated airspace enables UK and Allied aircrew to train in a complex, operationally



representative environment containing realistic target sets and authentic surface-to-air threats. As well as the ability to replicate the dangerous and unpredictable nature of modern warfare within Spadeadam's airspace, the base is also able to deploy threat systems and target sets to other locations; the threat

teams regularly attend exercises across the UK and abroad. Computerised debrief systems and tracking devices help to reconstruct each threat engagement, providing invaluable feedback to its training audience and enabling them to improve their ability to operate in a contested environment.



Blue Streak missile on display at the Deutsches Museum, Munich



Remains of the first Blue Streak missile launch at Woomera, Australia 1964. The debris was only discovered in 1980

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THE POWER OF MISDIRECTION



The Deceptive Factor

In the Intelligence Cycle

MENTAL AND PHYSICAL CONFUSION

Security specialist MIKE FINN examines methods, actions and ruses used on many platforms. These can be physical, mental, small or large... but all are intended to confuse and deceive

Illusion has always been a part of espionage and intelligence gathering. Besides some of the conjurers we have featured in this series, there are agents and spies who relied on illusion to maintain their anonymity. One such person was Briton Eddie Chapman (1914-1997).

Chapman, who also went by the names Edwards, Thompson, Simpson (to mention but a few), was a spy who initially worked for the Germans in WWII. He was sent on an assignment to Britain to prove his credentials. However, as soon as Chapman landed by parachute in Cambridgeshire he explained his



Jasper Maskelyne

role and was duly seconded by MI5, and given the undercover name of 'Zigzag'. Now acting as a double agent, MI5 prepared an audacious operation which would cement his standing in Berlin

as an excellent and trustworthy operative. Thus a plan was formed to 'sabotage' the important De Havilland aircraft complex. With the help of stage magician Jasper Maskelyne, explosive charges were set, smoke bombs prepared, debris scattered, and the illusion of destruction and devastation established. The final touch was to ensure the national press carried the story of the plant's destruction. Chapman then re-established contact with the Abwehr (German Intelligence) and returned to Germany via Portugal, amazingly he was awarded the Iron Cross for his "splendid efforts" in Britain!

CONFUSING THE BRAIN

There are various aspects of illusion that create deceptions, in the last article I wrote about misdirection; this is the art of drawing a person's attention away from the real focal point in order to establish a misdirected goal. Now we will look at confusion, which is where information is presented and creates perplexity and confuses the brain. There are two main classifications; the first is called Mental Confusion - where information alone confuses



Trace pattern (saccades) of the human eye while looking in one direction yet watching simultaneous actions

the brain. The next is Physical Confusion; in this case the complex movement of actual objects cause the confusion. The reason for the difference is that each can be presented in quite a different manner.

A classical example of mental confusion is called 'ringing the changes'. It is not so popular nowadays, but was often used in shops during the 60s and 70s. The perpetrator enters a shop (hoping the shop assistant is not a mathematical genius). In one embodiment the shopkeeper or 'mark' is asked to change four £20 notes for four £10s and eight £5s, then he hands back the money saying he got it wrong, he needs 12 £5s and only thirty in £10s. Confused already? Part of this art is right timing, if the shop is empty the assistant



© CLASSIFIED: THE INSIDER'S GUIDE TO 500 SPY SITES IN LONDON

Left: RAF Mosquitos at the De Havilland factory in Hatfield where Eddie Chapman and MI5 performed a ruse fooling the Nazis. Right: Chapman, a former safe cracker and thief, operated from a safe house on this quiet London street



Double agent Eddie Chapman - MI5 codename Zigzag. He was known as agent Fritz by his Abwehr controller

will be more focused, a busy shop will afford a better chance. If all goes well the perpetrator has made an easy £10. The above is a simple example of the principle, which can be much more complex in real life. The principle of confusion can also be used in conjunction with misdirection.

While 'ringing the changes' takes place, it can also create misdirection for a shoplifter, perhaps working as an accomplice. Conjurers use mental confusion in their repertoire and it is also a useful tool in the intelligence world.

HEDGEHOG DEFENCE

Physical confusion is a little less abstract. For example, on 14 May 1940, Sir Anthony Eden, who was then Secretary of State inaugurated the Home Guard. With the formation of the Home Defence Executive during the last war, the purpose of the Home Guard was better defined. They were employed among many other duties to create confusion in the face of

Local Defence Volunteers (LDV) parade for duty. The one-million plus force would soon be renamed the Home Guard. The troops, too young or too old for the regular armed forces were well known for performing ruses...



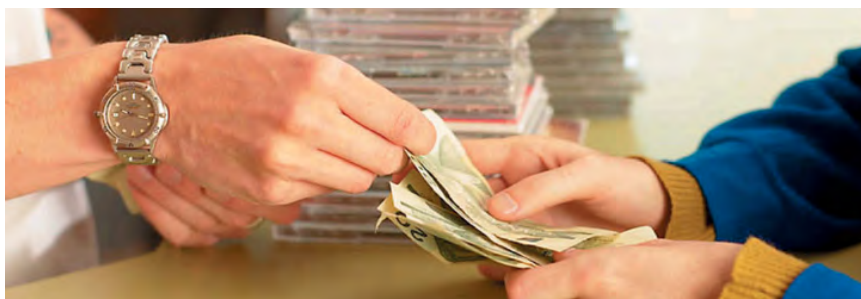
a possible invasion. One of these strategies involved the removal, painting over, and re-direction of road signs. I think everyone knows how confusing and disorientating following the wrong sign can be. This type of tactic was referred to as a 'Hedgehog Defence', which is a military strategy that creates small inhibiting incidents that sap the strength and enthusiasm of any invading army.

One way to create physical confusion is to offer multiple choices, complexity, or a combination of both. By way of example let's look at one aspect of conjuring mentioned by

magician and WWII intelligence agent John Mulholland. Prior to implementation a handkerchief is taken out and the nose wiped, then it is held in the left hand. [See diagram on page 74]

The female operator has a handbag on her left arm, allowing the free use of the right hand. A small item is picked up and admired in the right hand (A), at which point the bag begins to slip so the object is passed to the left hand and the bag held in the right (B). During this process the left hand covers the object with the handkerchief, at which point it is passed to the right hand hidden in the handkerchief, then simultaneously the imaginary object appears to be placed back in its original place with the closed left hand (C). The handkerchief can then be passed back to the left hand (D), a short while later the handkerchief (and object) can be placed in the bag.

This example only outlines the principle of manipulation directed at confusion. ➤



In the scenario described confusion is created because three objects are manipulated together; the natural movement does not give rise to suspicion. The eye is confused during the saccade* process as the object goes between two hands, each movement is simple, but collectively complex with respect to the way the brain perception is processed. In the intelligence field this principle has innumerable applications. In this case confusion can be created in a physical manner, as opposed to ringing the changes described earlier, which relies on the 'mark' assimilating information in the mind, whilst responding to a verbal request. In this present case the 'mark' is tricked by a presentation of multiple actions intended to confuse the brain in a physical way. Distinguishing the difference



Physical confusion can be caused by something as simple as relocation of a signpost - an action carried out on numerous occasions by Britain in WWII

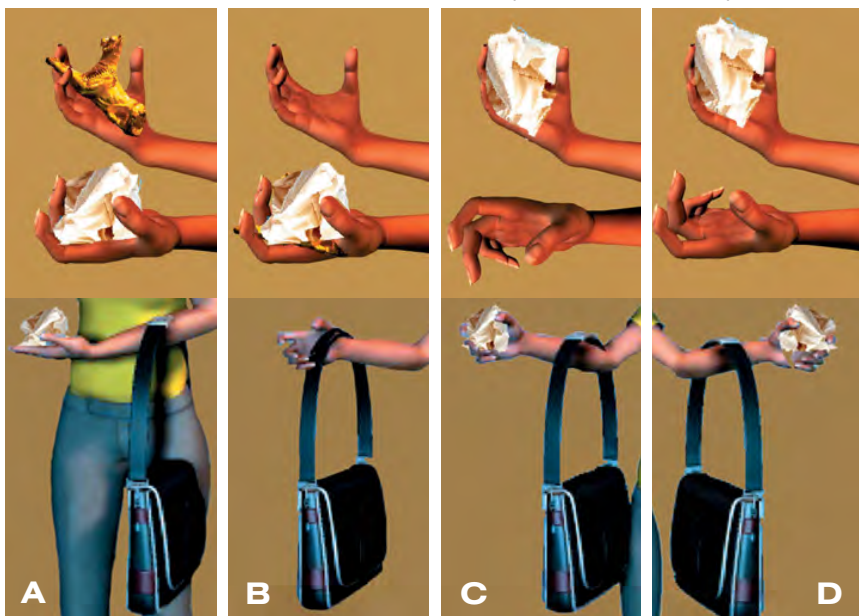


During the Cold War the CIA utilised John Mulholland's 'magic' skills. As a Langley employee, he wrote a manual on deception and misdirection

is important from the perspective of implementation, both with and without props.

Earlier in this series I referenced three primary methods showing how deception is attained using such components as distraction, confusion and misdirection. These are far from being the only tools in the deceptive world of the conjurer. However, they make a good start in presenting information that can have real benefits and multiple uses of the craft of conjuring in the intelligence cycle. From this we can see the bond that was created between intelligence and conjuring. In the next article we will take a look at the final concept, which is distraction. This is a fascinating study which has far reaching potential in this field, it is in fact one of the cornerstones in the art of the 'pickpocket'.

* Rapid movement of the eye as it tries to focus on one position then another in quick time



An example of manipulation which is directed towards causing confusion

MH17

Russian-Backed Militia Involvement in Downing of Civilian Airliner Proven

An experienced team of Dutch-led international investigators have completed their investigation into the downing of Malaysia Airlines Flight MH17 over eastern Ukraine in 2014.

All 283 passengers and 15 crew died in the attack. Investigators concluded the missile that struck the aeroplane was manufactured in and transported from Russia. It was launched from a field near the village of Pervomaiskyi, an area controlled by Russian-backed rebels fighting government forces in Ukraine. "Based on the criminal investigation, we have concluded that flight MH17 was downed by a Buk missile of the series 9M38 that came from the territory of the Russian Federation," said chief Dutch police investigator Wilbert Paulissen. Investigators concluded - based on imagery and eye witness testimony - that the mobile missile system was later taken back to Russia.



The moment MH17 strikes the ground



INVESTIGATION



While the flight data and cockpit voice recorders provided useful information, investigators were able to prove a BUK-launched missile brought down MH17 due to forensic evidence on the shell of the aircraft

Russian officials rejected the investigators' conclusions, calling them "extremely political." The Kremlin's Press Secretary Dmitry Peskov said, "the whole story is unfortunately surrounded by a huge amount of speculation and unqualified, unprofessional information." Peskov was immediately criticised for not understanding the scope or quality of the investigation.

Since the incident Russian officials have released conflicting statements and scenarios on what happened to MH17. Ranging from a strike by a Ukrainian surface-to-air missile; a Ukrainian Su-25 fighter warplane missile attack and a BUK missile no longer catalogued in Russia's arsenal. In September, to coincide with the report's release, Russia's Ministry of Defence published radar data suggesting



BUK-M (SA-11) mobile missile firing system

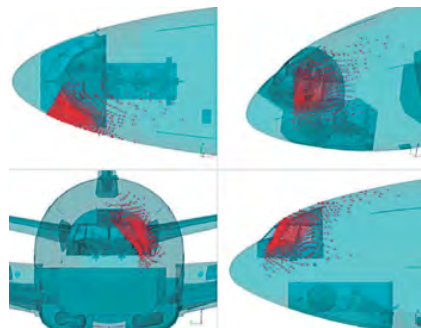


Diagram shows missile impact area and metal/debris flow

MH17 was indeed shot down by a missile, but not one fired by Russian-backed rebels.

NOT QUITE THE END OF THE STORY

Although investigators have established where the missile was built, sourced and transported from, plus the identities of about 100 people 'linked to the crash or the transport of the Buk missile', they have yet to determine who can be held criminally responsible. Perhaps the most important pieces of information are still missing: who authorised the transport of the missile launcher into eastern Ukraine, and who green-lighted the strike on a civilian airliner?



Investigators recovered various pieces of the missile. There was little doubt about the type which downed MH17





A BREACH OF PROTOCOL

Clinton Aide Leaves Classified Document in Russian Hotel Room

WASHINGTON: The FBI investigation into Hillary Clinton's breach of professional conduct for use of her private e-mail account has uncovered another violation. One of her former aides left a classified briefing paper in a Russian hotel room she was sharing with Clinton.



Monica Hanley, the aide who bought multiple smartphones for Clinton potentially used to send work e-mails - and which the FBI now cannot find, travelled to Russia with Mrs Clinton on one of her state trips.

In an interview with Hanley earlier this year, it was revealed that she had taken a diplomatic pouch containing the book to their suite. US Diplomatic Security found the

classified document after a sweep of the room following their departure. Hanley received "verbal security counselling," according to sources and was told that the briefing book and document "should never have been in the suite."

~~SECRET~~

s contacted by CLINTON's attorney, D 015. Following her conversation with 1 at DoS for any email communications te gov accounts. HANLEY was not inv

NSA CONTRACTOR ARRESTED

More Secret Agency Documents Appear on Internet

A National Security Agency contractor has been arrested following a joint FBI-NSA undercover operation. The detention of Harold Thomas Martin III, 51, in August, is connected to the leak of classified documents on the Agency's overseas intelligence collection programmes.

Martin is charged with theft of government property and unauthorised removal of classified materials. When Bureau investiga-

tors raided his house in Maryland, they recovered some documents over ten years old. "He has been hoarding files for over a decade," a police source said. Other files were discovered on various electronic media, described as "highly classified information."

Martin had top secret clearance, and the USIC (US Intelligence Community) are keen to discover what motivated him and if a 'third party' player was involved. This is being performed by the FBI Behavioral Analysis Unit who are

preparing a psychological assessment. "This case is definitely different to other leak cases," a government official said.

The FBI, in liaison with NSA, were led to Martin by the sudden on-line appearance of documents described as 'NSA hacking tools' in August. The programmes provided guidance to NSA operators on how to exploit weaknesses in firewalls and then take control of the actual system. "This means adversaries will have the opportunity to trace security breaches to the NSA or other US players," a cyber specialist told Eye Spy. "Similarly, it could help in building systems which will defy future probes." Ultimately, many fear it will prompt a new round of cyber attacks against US Government concerns.

Martin, a former Navy reservist, performed work for Booz Allen Hamilton - as did Edward Snowden. Investigators still do not know if the suspect posted the leaked files on-line which ultimately led to his arrest.

NO EASY DAY FOR EX-US SEAL

WASHINGTON: Former US Navy SEAL operator Matthew Bissonnette, author of the acclaimed *No Easy Day*, the 2012 best-selling book which documented the raid on Osama bin-Laden's compound in Abbottabad, is set to repay millions of dollars back to the US Government secured from sales.

Writing as Mark Owen, Bissonnette, has been involved in protracted talks with the US Department of Justice (DOJ), which claimed the work had 'violated an agreement to protect national security'. Similarly, the DOJ argued that the trooper had failed to submit the book to the proper authorities for vetting before publishing. On this issue Bissonnette issued a formal apology. "I acted on the advice of my former attorney, but I now fully recognise that his advice was wrong. It was a serious error that I urge others not to repeat."



Matthew Bissonnette



NSA headquarters

EDWARD SNOWDEN

US INTELLIGENCE COMMITTEE DISMISS CALLS FOR AMNESTY

A US House of Representatives Intelligence Committee report has rejected calls to describe NSA leaks man Edward Snowden a 'whistleblower'. The decision is a blow to the former contractor whose associates, legal team and



Devin Nunes

human rights supporters have created back-channels to the US Government which would allow him to return to the country. In recent weeks, organisations such as the American Civil Liberty Union (ACLU) have called upon the White House to drop charges against Snowden, who they insist is a "genuine American hero."

The report states '*Snowden does not fit the profile of a whistleblower*' and goes on to call him a '*serial exaggerator and fabricator*'. Also contained in the report are details of how Snowden managed to access files from NSA networks and copy the material.

Committee member Adam Schiff dismissed Snowden's claims that



the files he took and the motive behind his action was centred around protecting public privacy. "The majority of what he took has to do with military secrets and defence secrets. I think that's very much at odds with the narrative that he wants to tell that he is a whistleblower."

Chairman of the Intelligence Committee Devin Nunes was even stronger in his criticism: "He put our service members and the American people at risk." Nunes then said he looked forward to Snowden's return to the country "where he will face justice for his damaging claims." This tough line is supported by the US Intelligence Community (USIC).



Edward Snowden wants to return to the United States

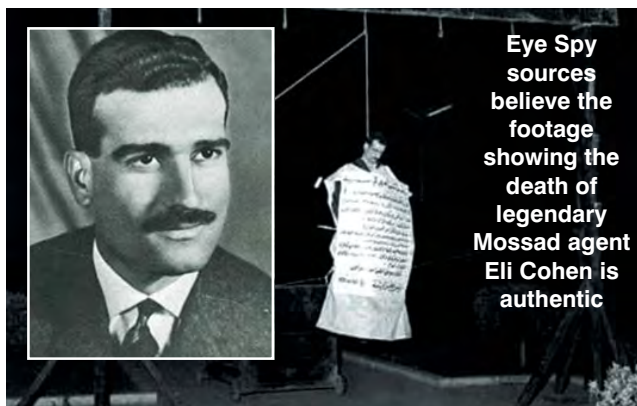
For his part, Snowden dismissed the committee's report as "artlessly distorted... a serious act of bad faith."

MOSSAD SPY END GAME

51 YEAR-OLD EXECUTION VIDEO OF ELI COHEN EMERGES

A two minute video purporting to show the execution of Mossad agent Eli Cohen in Damascus, 1965, was uploaded onto a Facebook page associated with the Syrian opposition called 'Syrian art treasures'.

Cohen, known in Syria as Kamal Amin Ta'abet, worked for Israeli Intelligence in Syria from 1961-1965, where he became close to political and military figures. He was compromised when Syrian counter-intelligence became suspicious and during a military exercise, changed radio frequencies. Cohen, unaware, used the same frequency as the army to transmit classified information to the Mossad in Israel. He was arrested and executed on 18 May 1965 in front of Syrian TV and thousands gathered in Martyr's Square Damascus.



Eye Spy sources believe the footage showing the death of legendary Mossad agent Eli Cohen is authentic

Cohen's corpse was never returned to his family, but recent reports coming from Lebanon suggest that an Assad opposition group not only knows the whereabouts of his final resting place, but they will attempt to return his remains to the family.

NEW CAMBRIDGE SPY MAN?

Naming of 'Additional Spy Ring Member' Denied by Judge

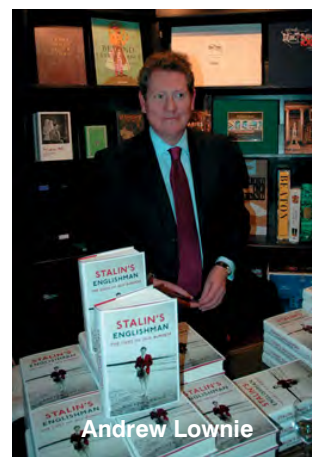
LONDON: A judge has denied a Freedom of Information Act (FOIA) request by intelligence historian and writer Andrew Lownie. Author of *Stalin's Englishman: The Lives of Guy Burgess*, Lownie traced a document now held at the National Archives that he believes identifies another person associated with the infamous Cambridge spy ring. The request was denied and a judge has now upheld the decision.

Judge Peter Lane argued that the man named was still alive and its release could "jeopardise [A] personal relationships." The judge also felt that the case was too old to merit public interest and therefore there was no need to declassify the file.

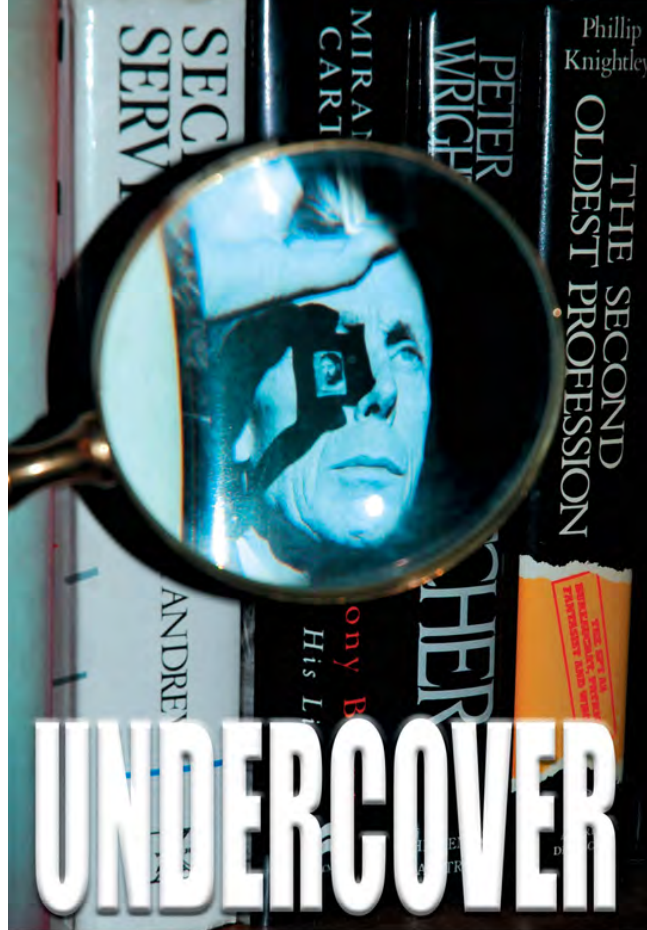
The decision has left intelligence watchers baffled, some who argue that a 'social ruling' is little reason

to deny revealing a suspected traitor from the public's gaze. Andrew Lownie himself said there was "strong public interest in the case."

There is speculation that the person named could have cooperated with the British Government and may be receiving protection or that details contained in the file could be of an embarrassment to the government - as much of this famous case was.



Andrew Lownie



BOOK RELEASES

OPERATION BIG: The Race to Stop Hitler's A-Bomb

Colin Brown
Amberley Publishing

RV. Jones, head of wartime British Scientific Intelligence once said: "We ourselves were almost awestruck, not so much at the power of the Bomb, for this we had expected, but because the Americans had used it with so little notice."

Marcial Echenique, a Cambridge professor, recently became curious when he found wiring concealed under the floorboards of his country mansion, Farm Hall. The manor had an astonishing past as an MI6 staging post for some of the most

secret operations of the Second World War. But in April 1945, Farm Hall was to play an even more astounding role, housing ten of Germany's top nuclear physicists captured in daring raids. Amid the chaos of the disintegrating Third Reich they were flown to England covertly in a mission codenamed Operation Big. Every word they uttered was bugged by MI6 eavesdroppers using the wires found by the professor.

After the dropping of the atom bombs on Japan, these men would claim they could have developed A-bombs for the Third Reich, but did not "for the greater good of mankind." Most believe this to have been a lie. But was there an even



Farm Hall, Godmanchester, Cambridgeshire in 1945

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greater deception? Were they captured not to stop Hitler, but to stop Stalin? Did the US drop the Bomb as a show of power not to the Japanese, but to the Soviets?

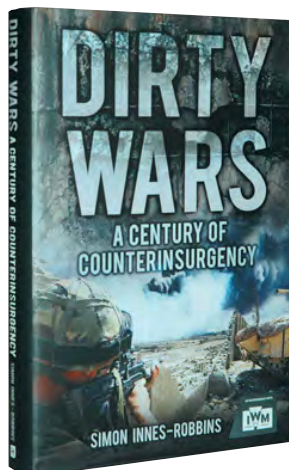
Colin Brown guides us through a world of espionage, scientific discovery and questions of morality as he reveals the extraordinary truth surrounding Hitler's atomic bomb. Hardback 300pp

Available from Eye Spy Ref: ES/1646
UK £22.50 USA \$40.00 ROW £24.50

DIRTY WARS: A Century of Counterinsurgency

Simon Innes-Robbins
History Press in partnership with
Imperial War Museum

Simon Innes-Robbins asks, "who is the enemy?" This is the most common question asked in modern warfare: gone are the set-piece conventional battles of the past. Once seen as secondary to more traditional conflicts, irregular warfare (as modified and refashioned since the 1990s) now presents a major challenge to the state and the bureaucratic institu-



tions which have dominated the twentieth century, and to the politicians and civil servants who formulate policy.

Twenty-first century conflict is dominated by counterinsurgency operations, where the enemy is almost indistinguishable from innocent civilians. Battles are gunfights in jungles, deserts and streets; winning 'hearts and minds' is as important as holding territory.

From struggles in South Africa, the Philippines and Ireland to operations in Iraq, Afghanistan and Chechnya, this book covers strategy and doctrine of counterinsurgency, and the factors which ensure whether such operations are successful or not. Hardback 367pp

Available from Eye Spy Ref: ES/1647
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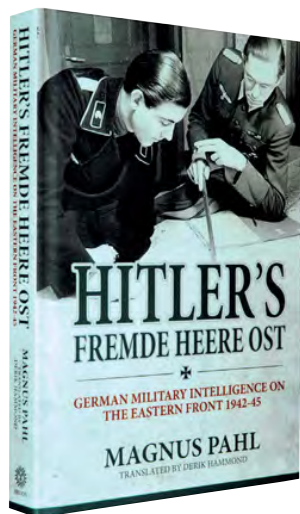
HITLER'S FREMDE HEERE OST: German Military Intelligence on the Eastern Front 1942-45

Magnus Pahl
Helion and Company

The General Staff Division of Fremde Heere Ost (Military Intelligence Service, Eastern Section) which from 1942 was led by Reinhard Gehlen, and was the nerve-centre of Hitler's military reconnaissance on the Eastern Front. This department worked professionally and was operationally and tactically reliable. However, at a strategic level there were clear deficits: the industrial capacity of the Soviet arms industry, the politico-military intentions and the details of the Red Army's plans for their offensive remained for the most part hidden from the department.



Spymaster
Reinhard Gehlen



When the Second World War ended, Gehlen put the documents and personnel of Fremde Heere Ost at the disposal of the Americans. With their support he was able to build a new foreign secret service which later evolved into the Federal Intelligence Service. Military historian Magnus Pahl presents a complete overview of the structure, personnel and working methods of Fremde Heere Ost based on a tremendous array of archival sources. This work includes an extensive case study of the East Pomeranian Operation 1945.

Pahl's study is a significant contribution to our understanding of German strategic, operational and tactical thinking on the Eastern Front 1941-45. Sadly the book is very expensive. Hardback 410pp

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THE SPIES OF WINTER: The GCHQ Codebreakers Who Fought the Cold War

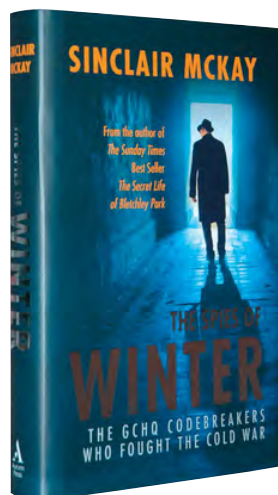
Sinclair McKay
Aurum Press

Once victory was declared in WWII, many of the individuals who had achieved the seemingly impossible at the codebreaking centre Bletchley Park - by cracking the impenetrable Enigma codes and giving the Allies an invaluable insight directly into the Nazi war machine - moved on to GCHQ. This was the British government's new facility established to fight a different, but no less formidable foe - Stalin and the KGB.

Fascinating and insightful revelations from deep within the archives of this secret organisation reveal the story of the tumultuous early years of GCHQ as it navigated its way

through an era of double agents, deception and betrayals. From the Cambridge spy ring and the treachery of the atomic scientist Klaus Fuchs, to the collapse of the British Empire, the ascension of Chairman Mao and the emergence of the United States as a superpower, McKay deftly explores the impact these events had on the fledgling organisation.

During the years of the Cold War the men and women of GCHQ penetrated Soviet encryptions and gathered crucial intelligence from all over the world. *The Spies of Winter* tells the story of the codebreakers themselves and how they used new technology to expand the horizons of cryptography in order to defend the nation and maintain the fragile peace in a world now under the shadow of nuclear holocaust. Hardback 352pp



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DOES TERRORISM WORK?: A History

Richard English
OUP Oxford

Terrorism is one of the most significant security threats that we face in the twenty-first century. Not surprisingly, there is now a plethora of books on the subject, offering definitions of what terrorism is and proffering advice on what causes it and how states should react to it.

But one of the most important questions about terrorism has, until now, been left remarkably under-scrutinised: does it work? Richard English brings thirty years of



1999. Emergency workers clear debris following a terrorist bombing in Moscow



professional expertise studying terrorism to the task of answering this complex - and controversial - question.

Focussing principally on four of the most significant terrorist organisations of the last fifty years (al-Qaida, the Provisional IRA, Hamas, and ETA), and using a wealth of interview material with former terrorists as well as those involved in counter-terrorism, he argues that we need a far more honest understanding of the degree to which terrorism actually works - as well as a more nuanced insight into the precise ways in which it does so.

Only then can we begin to grapple more effectively with what has become one of the most challenging and eye-catching issues of our time. Hardback 256pp

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LUCIFER RISING: British Intelligence and the Occult in the Second World War

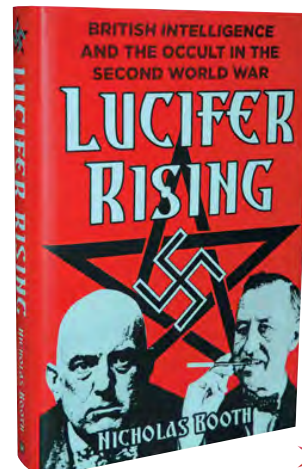
Nicholas Booth
The History Press

Summer 1940. In the desperate fight against Nazi Germany, nothing is

considered too outlandish, so the British secret services turn to figures from the occult world to help turn the tide of war. What begins as a mission to understand Hitler's supposed astrological advice soon becomes more bizarre, with often hilarious, unintended consequences. It is a story of misinformation, false predictions and some of the most surreal secret operations of the Second World War.

Incredibly, it is all true. Featuring an eccentric cast of characters, including the creator of James Bond, a cross-dressing astrologer, a spymaster who walked around in public with his pet bear and the self-proclaimed 'wickedest man in the world', best-selling author Nicholas Booth weaves together an amazing narrative of spying, sabotage and black propaganda.

Using hitherto secret files - many only released in the last few years - *Lucifer Rising* unravels for the first time the myths surrounding these operations, culminating with perhaps the most curious of all: the arrival by parachute of Rudolf Hess in Scotland in May 1941. Hardback 256pp



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Winston Churchill and Franklin D. Roosevelt

COMMANDER IN CHIEF: FDR's Battle with Churchill

Nigel Hamilton
Biteback Publishing

Hamilton reveals the remarkable truth - suppressed by Winston Churchill in his memoirs - of how Roosevelt battled with Churchill to maintain the strategy that would win the war.

Roosevelt knew the Allies should take Sicily but avoid a wider battle in the Mediterranean, building experience but saving strength to invade France in early 1944. Churchill seemed to agree at Casablanca - only to undermine his own generals and the Allied command, testing Roosevelt's patience to the limit. Seeking to avoid the D-Day landings, Churchill made the decision to push the battle further into southern Europe, almost losing the war for the Allies. In a dramatic showdown, FDR finally set the course for victory by making the ultimate threat.

Challenging seven decades of conventional wisdom about not one but two world leaders, *Commander*

in Chief draws on extraordinary new archive material to delve further into the minds and actions of the men who led the Allied powers in the crucial year that decided the outcome of World War II. Hardback 528pp

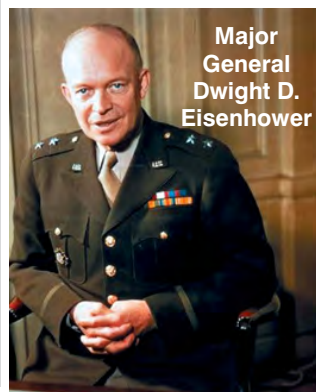
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OSS STATION VICTOR: Hurley's Secret War

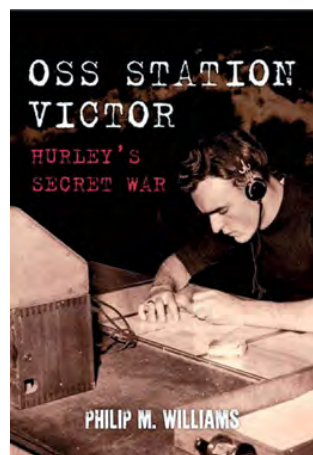
Philip M. Williams
Amberley Publishing

Established in 1943 by the American Office of Strategic Services (OSS), Station Victor in Hurley in the county of Berkshire, communicated with secret agents throughout occupied Europe and within the German Reich. Victor's role was to receive and send coded messages in order to obtain vital intelligence on Hitler's Panzer Divisions, secret weapons and industrial war machine.

This is the story of Station Victor, from its conception, construction and operation and about the lives of those agents who risked torture and death in order to rid Europe of the Nazi tyranny. Operations such as the Sussex plan and the liberation of France used Hurley as their base



Major General Dwight D. Eisenhower



station where even General Eisenhower as Supreme Commander and Prime Minister Churchill were seen as visitors. It is only now that the story of OSS Station Victor can be told due to the declassifying of Victor's operational war diary by the CIA and the discovery of a remarkable set of official photographs. Hurley's long-forgotten wartime secret can now be revealed. Softback 96pp

Available from Eye Spy Ref: ES/1653
UK £16.99 USA \$30.00 ROW £17.99

ARMY WIVES: From Crimea to Afghanistan - the Real Lives of the Women Behind the Men in Uniform

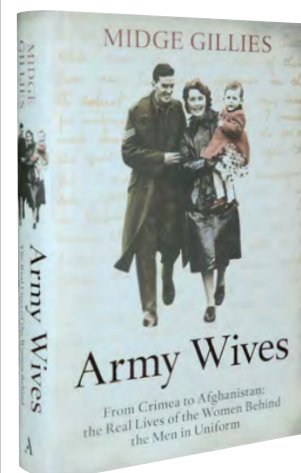
Midge Gillies
Aurum Press Ltd

Most families have had an army wife somewhere in their past. Over the centuries they have followed their men to the front, helped them keep order in far-flung parts of the empire or waited anxiously at home. *Army Wives* uses first hand accounts, letters and diaries to tell their story.

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In the twentieth century two world wars produced new generations of army wives who forged friendships that lasted into peacetime. The author reveals their experience and that of a new breed of independent women who supported their men through the Cold War to the current war on terror. Above all, the book examines what it really means to be

part of the 'army family', in the past and today, and how these women's lives reveal a deeply human experience that is often hidden from those of us on the outside. Hardback 400pp

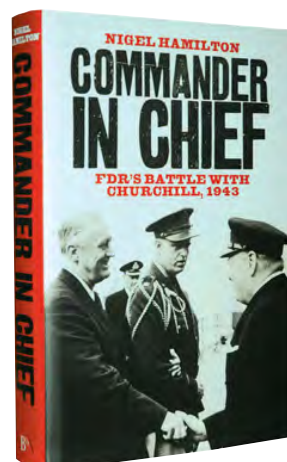
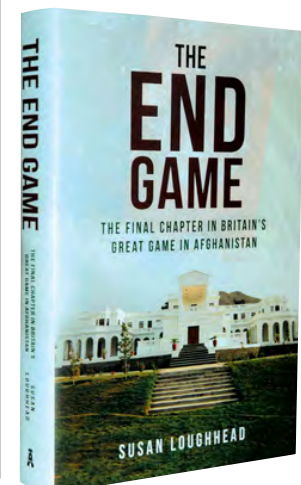


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THE END GAME: The Final Chapter in Britain's Great Game in Afghanistan

Susan Loughhead
Amberley Publishing

Beginning by drawing parallels between the author's experiences at the British Embassy in Kabul from 2010 to 2013 and her grandfather's experiences of the same just after Indian Independence from 1948 to 1950, this book takes a thematic approach to analyse the role of Britain in Afghanistan since the conclusion of the Second World War. This examination uncovers a little-known story about how Britain's imperial withdrawal from Afghanistan in the late 1940s helped fuel the early Cold War, and why it has proved so difficult to 'rebuild' Afghanistan recently.



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At the heart of the book are the people and buildings of the former British Embassy, once a potent symbol of imperial might and now occupied by Pakistan to project its own regional ascendancy in the next chapter of Afghanistan's troubled story. Hardback 400pp

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HITLER'S INTERPRETER: The Memoirs of Paul Schmidt

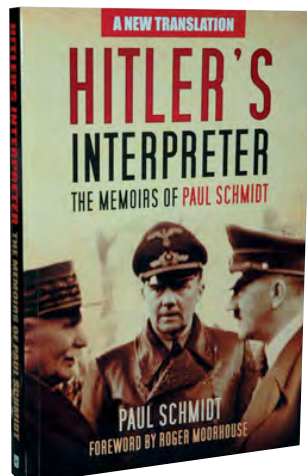
Paul Schmidt, Roger Moorhouse (foreword)
 The History Press

As an interpreter in the German Foreign Ministry, Paul-Otto Schmidt (1899-1970) was in attendance at some of the most decisive moments of twentieth-century history. Fluent in both English and French, he served as Hitler's translator during negotiations with Chamberlain, the British declaration of war and the surrender of France, as well as translating Hitler's infamous speeches for radio. Having gained favour with the Nazi Party - donning first the uniform of the SS then that of the Luftwaffe - Paul Schmidt was given 'absolute authority' in everything to do with foreign



Paul-Otto Schmidt (centre)

languages. He later presided over the interrogation of Canadian soldiers captured after the 1942 Dieppe raid. Arrested in May 1945, Schmidt was freed by the Americans in 1948. In 1946 he testified at the Nuremberg Trials, where



conversations with him were noted down by the psychiatrist Leon Goldensohn and later published.

Hitler's Interpreter presents a highly atmospheric account of the bizarre life led behind the scenes at the highest level of the Third Reich. Softback 272pp

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THE FUTURE OF FOREIGN INTELLIGENCE: Privacy and Surveillance in a Digital Age

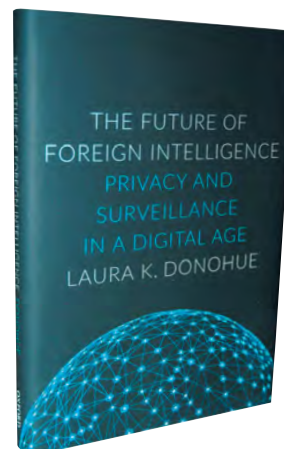
Laura K. Donohue
 Oxford University Press USA

Renowned national security law scholar Laura K. Donohue argues that the programmatic surveillance that the National Security Agency conducts amounts to a general warrant - the prevention of which was the point of introducing the Fourth Amendment. The expansion of foreign intelligence surveillance-leant momentum by significant advances in technology, the Global War on Terror, and the emphasis on securing the homeland now threatens to consume protections essential to privacy, which is a necessary component of a healthy democracy. Donohue

offers an agenda for reining in the national security state's expansive reach, primarily through Congressional statutory reform that will force the executive and judicial branches to take privacy seriously, even as it provides for the continued collection of intelligence central to US national security.

Both alarming and penetrating, this is essential reading for anyone interested in the future of foreign intelligence and privacy in the United States. Brilliant academic work. Hardback 208pp

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NEW YORK CITY SURVEILLANCE

Continued from page 61



Ahmad Khan Rahami

It's also possible, Rahami's first intention was to replicate the actions of the Boston Marathon bombers - Tamerlan and Dzhokhar Tsarnaev. Pressure cooker bombs were also used in this case.

On 20 September, Ahmad Khan Rahami was charged with five counts of attempted murder. A new image of the bomber was also released (above).

When Bureau and NYPD investigators began analysing Rahami's journal (right) which he had with him at the time of his arrest, it became a little clearer why he had chosen to cause chaos in the two cities. One line read: 'The sounds of bombs will be heard in the streets'. He went on to praise Osama bin-Laden and criticised US involvement in Afghanistan.

Further research showed Rahami had started to purchase and duly assemble bomb components in June. These included the pressure cookers, ball bearings, citric acid, electronic ignitors and circuit boards. Al-Qaida in 2010 and



Rahami's journal reveals he had become radicalised

more recently ISIS, have published instructions on how to manufacture PCBs. On a cell phone, investigators found a short video recording of Rahami that allegedly showed him testing one of the devices. A cylinder can be seen exploding followed by issuing smoke. Prosecutors say laughter can also be heard.

From the first explosion in the Chelsea district of Manhattan to the end game played out in New Jersey, the entire incident lasted less than 50 hours.

Emergency workers clear up the debris caused by the explosion in Chelsea



City officials congratulated the many services involved in the investigation, and a sense of normality resumed, though for those working in security and surveillance vigilance continues...

*An organisation of civic leaders in New York City working to improve airports.



Governor Cuomo thanks the city's security services

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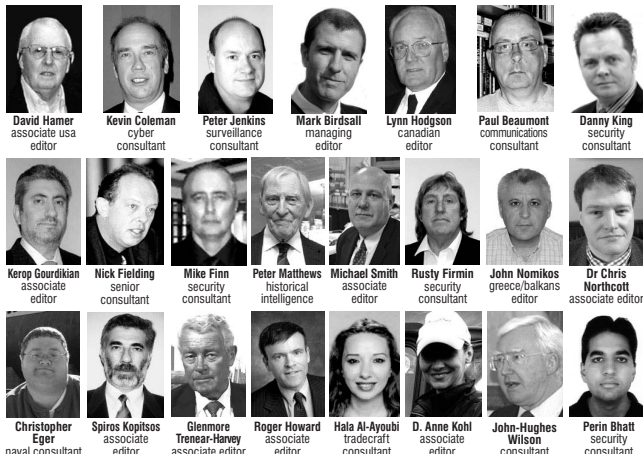
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