

EYE SPY™

The Covert World of Espionage

Black September

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THE RAID ON SYRIA'S NUCLEAR PLANT



TITAN RAIN

Cyber Spies Hit Pentagon

Mastering
Disguise Techniques

Printed and Published in the UK



PLUS: Raid on US base Ramstein • Operation Moonlight Maze
• Russia's New Cold War Flights • Intelligence Crests of the World

A MOMENT IN TIME

Intelligence and
security crests of
18 the world

We've tracked down over a 100 more intelligence service crests and seals to examine - most of which appear on our Intelligence Crests II Poster. And there are some very rare examples indeed....

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EYE SPY

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EYE SPY EDITORIAL

THINGS THAT GO BUMP IN THE NIGHT

Had the lights not flickered and gone off in the towns and villages of northern Syria - something to do with a "power surge" I was told - information about one of the most daring intelligence-led raids would never have emerged. As it turned out, even Syrian defence officials were puzzled at news of a "strike" against an innocuous agricultural factory - supposedly responsible for the black-out. "Our defenders chased the Israelis away," said an air force spokesman, pointing out that several Israeli warplanes had ejected fuel drop tanks in the countryside. When the truth emerged, it became clear something significant had occurred on the evening of 6 September.

Mossad agents are a pretty fearsome lot, and it appears one of them boarded a vessel in North Korea and worked his passage back home - masquerading as a crew member. But this was no ordinary cargo ship, it was rumoured to be carrying something akin to a nuclear weapon, or parts thereof. But regardless of the crates content, it was serious enough for Mossad to launch an operation that will add another chapter to its legend and further enhance its mystique.

When the ship docked in the early hours of 3 September, Operation 'Black September', as it has been dubbed, was launched. The mysterious crates were loaded on to a transporter that began its slow journey north towards the Euphrates. The problem for the Syrians is that overhead lurked an Israeli spy satellite. Whatever had left Pyongyang, was about to be either bombed or stolen.

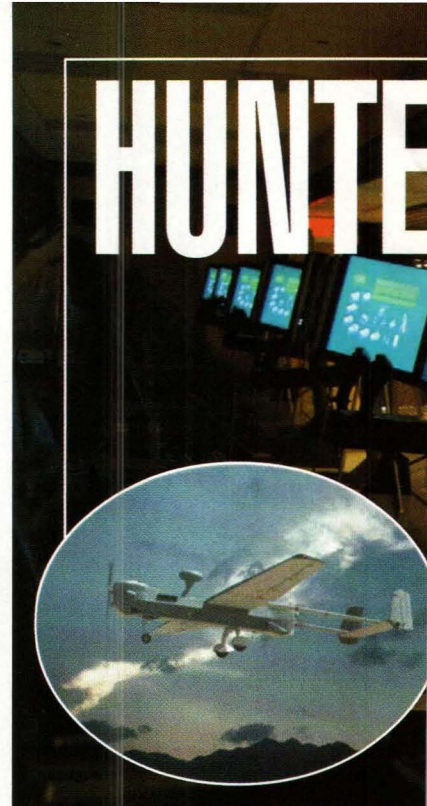
There are lots of stories about what happened next - no doubt one of them is fairly near the truth. The Israelis won't admit to the raid, and the Syrians like it that way - they don't really want to confirm the site or the crates were linked to uranium production. Strange what causes those bumps in the night....





A Hunter unmanned aerial vehicle engaged and killed two al-Qaida roadside bombers as they prepared IEDs (improvised explosive devices) near Qayyarah in Iraq's Ninewah province on 1 September. The strike is another example of the increasing use of UAVs in conflict zones.

Two specialist US surveillance officers saw the men from a tactical 'overwatch' near a roadside. The team requested Hunter UAV support. The pilots guided the Hunter operator to the scene, where it set up for a strike mission and dropped its precision munition, killing both men. Other services, including the CIA have used remotely piloted vehicles against al-Qaida operatives elsewhere, but this strike marks a first for Army aviation history. "It's very humbling to know that we have set an Army historical mark in having the first successful launch in combat from an Army



weaponised UAV," said Capt. Raymond Fields, commander, Unmanned Aerial Surveillance Company.

Fields said he believes the success will set the tone for

UNFINISHED BUSINESS

US issues warning on 6th anniversary of 9/11

American Defense Secretary Robert M. Gates told relatives of 9/11 victims that the United States would continue to pursue and defeat enemies, especially terrorist

organisations such as al-Qaida. His comments were made on the same day Osama bin-Laden hailed one of the hijackers in a newly released video.

Outside the Pentagon, Gates and Marine General Peter Pace, chairman of the Joint Chiefs of Staff, addressed about 150 family members of the 184 people who died at the Pentagon when hijacked American Airlines Flight 77 crashed into the building's west wall. Afterward, the two leaders placed a tribute wreath near the blackened limestone slab inscribed with the date of the attacks.

"Today the entire nation joins with you," Gates told the family members. "You have never been and never will be alone in your sorrow." He continued:

"The terrorists responsible for the September 11 attacks will never have peace again... for we will hunt them down relentlessly and without reservation."

General Pace declared that the 2.4-million-member US military

is committed to defeating America's enemies wherever they may be. "There's no question that the United States is engaged in a global war against terrorism," Pace said. "The enemy has declared war on us."

Nearly 3,000 people died during the terrorist attacks at the Pentagon, the Twin Towers in New York City, and aboard another hijacked airliner that crashed into a Pennsylvania field.



General Pace outside the Pentagon on the 6th anniversary of 9/11



Robert Gates

R KILLERS

A "first" for US Army Aviation as Hunter UAV strikes al-Qaida IED roadside bombers

Army Aviation in years to come. "We will see more weaponised Army unmanned vehicles being used instead of manned platforms to save not only our aviator brethren but (also) our Army ground troops from enemy contact." Officials believe the UAV provides "a precise and discriminate means for our Army to successfully engage the enemy in counterinsurgency warfare."

In early November 2002, a CIA-controlled Predator launched a Hellfire missile killing leading terrorist Qaed Salim Sinan al-Harethi and six

other suspected al-Qaida operatives in Yemen. Today, hundreds of UAVs patrol the skies of conflict zones, including the difficult terrain separating Afghanistan and Pakistan. Many are surveillance drones armed with ferocious missiles and controlled by operators in the US. Most missions involve surveillance, but intelligence watchers note UAVs are increasingly armed and many are fitted with infrared cameras for night vision patrols.

Osama bin-Laden remains the "UAVs" primary target.

The Secret Spy and Cherie Blair

The wife of former Prime Minister Tony Blair is fighting for recognition of a British spy who fought the Nazis. Attorney Cherie Booth appeared in a London court on 21 September to help gain legal recognition for Paul Rosbaud, who tried to undermine the Nazis. The Austrian-born Rosbaud's efforts are mostly unknown because documents pertaining to his activities are sealed in the archives of Britain's Secret Intelligence Service (MI6). Booth and Rosbaud's nephew, Vincent Frank-Steiner, are trying to force the intelligence service to release the documents. A scientific journalist, Rosbaud was able to provide information on Hitler's weapons programme to Britain and warn the world of the Reich's nuclear ambitions.

Rosbaud, who died in 1963, was recruited by and worked closely with Major Frank Foley, a British diplomat and spy in prewar Berlin who as a passport control officer saved thousands of Jews from concentration camps.



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READ ALL ABOUT IT



FORMER AGENT PLAYS "GET OUT OF JAIL CARD"

Moscow: ANDREI LUGOVOI, the former FSB officer and millionaire businessman wanted by British police in connection with the murder of Alexander Litvinenko, announced he will be standing for parliament as a candidate for an ultranationalist party. The head of the Liberal Democratic Party (LDPR), Vladimir Zhirinovskiy, said Lugovoi would stand as number two party candidate at the December elections to the lower house of parliament, the State Duma.



Lugovoi said: "I will take part in the State Duma elections on the LDPR's candidate lists." The offshoot of this move means that if Lugovoi becomes a member of parliament, he will receive immunity from prosecution according to Russian law.

In a further twist to the Litvinenko case, Lugovoi said the cause of death remains unknown. He also suggested that fugitive Russian oligarch Boris Berezovsky and British intelligence were involved in Litvinenko's murder.

PENTAGON EYES IRAN STRIKE

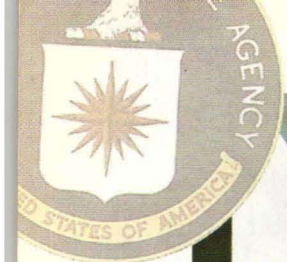
Washington: JAMES WOOLSEY, former Director of the CIA stated in an interview with NewsMax that terrorists could strike the American homeland - possibly with a weapon of mass destruction. Eye Spy's US-based partner Spy-Ops, believes that the most likely weapon would be a dirty bomb/radiation distribution device. Woolsey goes on to say that if Iran fails to comply with international demands to stop its nuclear weapons programme, then America will have no other option but to take military action. Spy-Ops analysts believe such an action would lead to multiple terrorist attacks on US soil by Iranian operatives.



FORMER INTEL HEAD WARNS OF ANOTHER UK ATTACK

London: Former British MI5 intelligence director, Dame STELLA RIMMINGTON, warned that terrorists will mount another attack on Britain, despite their failure to carry out recent car bombings in London and Glasgow, Scotland. "The behavioural model of terrorism suggest that until they redeem themselves after the three recent failed attempts, they will accelerate their in-process attack plans," she said. It is believed that the patterned behaviour of terrorism also led Director of US Homeland Security Michael Chertoff's to issue his now famous comment about his "Gut Feel" - "terrorists are planning another attack on the United States." While those not in the intelligence community were quick to admonish Chertoff for his comments, seasoned intelligence professionals know all too well about "Gut Feelings."





CIA



National Clandestine *Spymasters in from the Cold*

The CIA has effectively “reappointed” one of America’s leading spymasters to head its powerful National Clandestine Service - the spying wing of the agency.

Michael Sulick, 59, was one of a number of senior staff who quit the CIA in 2004 following an internal rebellion against the agency’s former director Porter Goss. However, DCI Michael Hayden announced the appointment of Sulick declaring him as a “proven leader who understands our agency and the intelligence community.” Sulick headed CIA operations in Russia, but is also an experienced counter-intelligence officer and an expert on the modus operandi of al-Qaida. After 9/11, he moved quickly to integrate both offices in an effort to gather more accurate intelligence on the terror group. Prior to that, he led the way to establishing a better rapport with the FBI and helped “out” many foreign spies.

Sulick replaces Jose Rodriguez, a long-time covert officer who recently announced he was

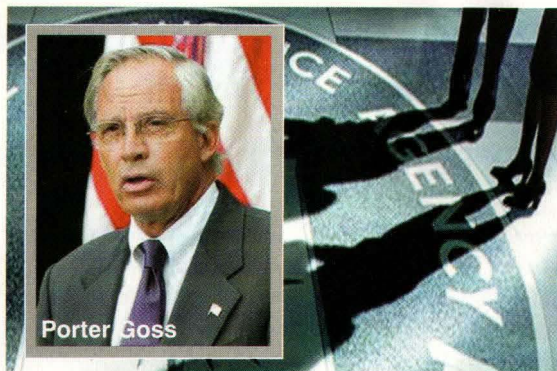
retiring. The post of head of the clandestine service is usually disclosed, but until his decision to resign was revealed, Rodriguez had chosen to remain anonymous.



At the time of the internal ‘blood-letting’, Sulick was associate deputy director for operations. He “walked” - along with Stephen Kappes, who also resigned rather than submit to demands that Sulick be reassigned to other areas. Another prominent agency stalwart who resigned was 32-year career veteran John McLaughlin. When former NSA head Hayden took over from Goss in May 2006, one of his first acts was to bring back Kappes - somewhat of a “legend at the agency”, making him his deputy. When Hayden reappointed Sulick, he made no reference to ill feeling or incidents which split agency opinion over Goss. Kappes was Sulick’s line manager. Sulick quit in November 2004 as associate deputy director of operations (now the clandestine service)



DCI Michael Hayden

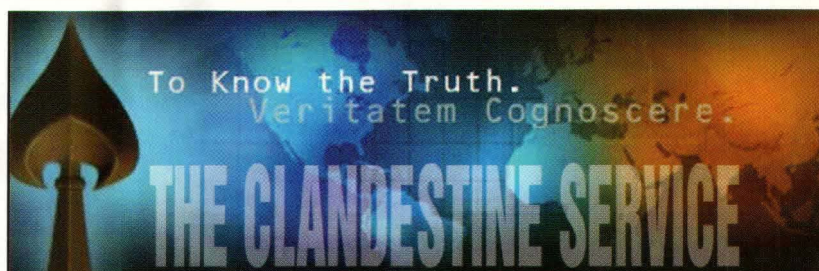


INSIGHT: STEPHEN R. KAPPES DEPUTY DIRECTOR, CENTRAL INTELLIGENCE AGENCY



Born on 22 August 1951, Stephen R. Kappes was sworn in as Deputy Director of the Central Intelligence Agency on 24 July 2006. He is a career CIA officer, having served most recently as Deputy Director for Operations and Associate Deputy Director for Operations from 2002 to 2004. Kappes retired from Federal service and entered the private sector in 2005. He joined ArmorGroup International in April 2005 and was the Chief Operating Officer and a member of the Board of Directors from November 2005 to June 2006.

Kappes joined the Agency in January 1981 after having served as a Marine Corps officer since 1976. He was based in the Near East and South Asia Division until his promotion to the Senior Intelligence Service in July 1995. Kappes has more than 12 years of overseas experience with assignments in the Middle East, Asia, and Europe. He speaks Farsi and Russian. From 2000 to 2002, Kappes was Associate Deputy Director of Operations for Counterintelligence and served concurrently during part of this period as Chief of CIA's Counterintelligence Center. He guided the Agency's operations and technical programmes against foreign espionage threats.



A Directorate for all Seasons OFFICIAL CIA STATEMENT

"The threats facing the United States today are more complex and challenging than ever before, and the collection of foreign intelligence has never been more vital to our nation's security. Some of the broad issues we face, such as the threat of war and regional instability are perennial challenges. Complex targets such as terrorism and proliferation pose increasingly critical threats.

"In this environment, the National Clandestine Service (NCS) operates as the clandestine arm of the CIA, and serves as the national authority for the coordination, deconfliction, and evaluation of clandestine human intelligence operations across the



Intelligence Community. The NCS supports our country's security and foreign policy interests by conducting clandestine activities to collect information that is not obtainable through other means. The NCS also conducts counterintelligence and special activities as authorized by the President."

Service

rather than except a transfer to the agency's New York office.

Goss had surrounded himself with ex-congressional aides and tried to transform the clandestine service into a more productive branch. He had Sulick replaced with his own appointee. At the time, it's believed the embattled Sulick called Goss's new chief of staff a "Hill puke," threw a memo at the aide and stomped out of the room. Close associates of McLaughlin said Goss's aides were treating senior managers "disrespectfully."

"A 25-year veteran of CIA, Mike is a familiar figure to many of you," DCI Hayden said in a statement to agency employees. "He has spent more than a decade in assignments abroad for the agency, including senior command positions. Mike has also excelled in crucial assignments here at headquarters," he said.

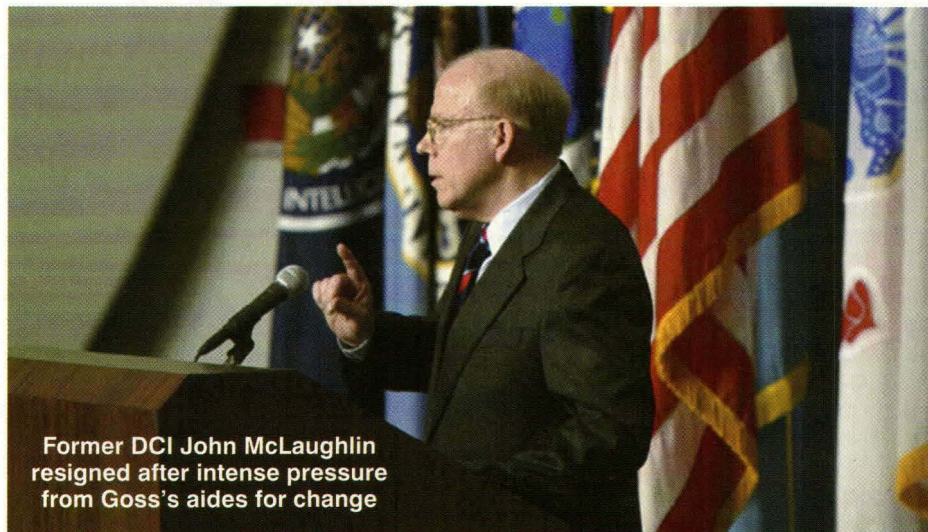
Sulick served the CIA in various overseas posts for 10 years, before rising to division chief and chief of counter-intelligence before his last assignment as associate deputy director of operations, the CIA's espionage arm. He held a variety of operational and managerial assignments at Langley, but he is

most revered for his work in Eurasia, Latin America, and East Asia. He speaks Polish, Russian, and Spanish. "As a seasoned operations officer, Mike earned a reputation for superior tradecraft and sound judgment," said Hayden. "He sharpened those skills in himself and has over the years developed and encouraged them in others."

Sulick, who has handled many important and delicate spy missions, including pitting his wits against senior KGB officers, will com-

mand all the CIA's field stations and have at his disposal, 4-5,000 operatives.

His appointment comes at a time when the agency has tried hard to remove much of its shady past and recruit new officers. One aspect recently criticised by agency watchers is the CIA's ability to collect good HUMINT or human intelligence. Under Sulick's guidance, more agents will be trained to operate overseas.



Former DCI John McLaughlin resigned after intense pressure from Goss's aides for change



Vodka Search Nets Alleged "Pol" Four Belarusians convicted of spying

The Supreme Court in Belarus has sentenced four Belarusian Army officers to between seven and ten years in prison for espionage. The men were accused of providing Polish Intelligence with state secrets.

During the case, prosecutors said the men transported classified information inside a type of fire extinguisher that all Belarus citizens are required to carry inside their vehicles. It is understood from court documents, the men were "contracted" by Polish intelligence to obtain secrets on Russia's anti-missile defence systems, in particular the long-range S-300 Air Defence. Deputy Chairman of the State Security Committee, Viktor Vegera said, "their espionage

activities had been fully proven." The information on the defence system was allegedly held on a number of CDs found in a fire appliance.

In July, Belarus state television showed two of the alleged spies apparently confessing.

The head of Belarus's intelligence service - BKGB, did not reveal how the men were exposed, but it is thought they were stopped during a routine border crossing - officers in this case searching for "smuggled vodka".

Vladimir Russkin, the suspected head of the group, was found guilty of "organising espionage," while Sergei Kornilyuk, Pavel Petkevich

THE VICTORIAN SPY CAMERA Concealed camera sells for £21,600

Every major spy agency has its own creative wing - recently evidenced by MI6's 'Moscow Spy Rock' transmitter/receiver. The CIA's Clandestine Service is in the envious position of calling upon many "builders" of spy tools - but both services - we understand - had one eye on a particular device that came up for auction in the UK in May.

At Bonhams Auction Rooms in Knowle, a unique and extremely rare 'Lancaster Watch Camera' made in Birmingham in about 1886, sold for a whopping £21,600 (\$43,500). Though interest was high, experts had placed a value of about £10,000 on the camera.

The 19th Century Victorian spy-watch camera, was patented and built by Midlands firm J. Lancaster & Son. It is believed the company made a man's and female variant until about 1890.

Bonhams said the grandfather of its owner, a cabinetmaker, worked at

Lancasters and described the device as the "forerunner of the spy camera - a mechanism disguised as a different object."

The vendor sifting through his collection of watches etc., noticed what looked like an old nickel-plated ordinary watch in a case. However, when he opened it he could see it contained a tiny camera.

Though the spy camera is a fully functioning object, Lionel Hughes, Bonhams' camera specialist, believes only an expert could have used it. "It would have been very inconvenient to use as four very small catches had to be released in order to remove the glass screen and to fit a separate metal sensitised material holder for each exposure."

This "technicality" could explain why only a few were sold. An improved version which came on the market in 1890 proved more popular. As to the exact number of Lancasters built containing the spy camera, it is believed only four are known to exist.



© BONHAMS

HAGUE PROSECUTOR

Former spokeswoman of the Hague Office of the Prosecutor, Florence Hartmann, claims that Hague prosecutor Geoffrey Nice was an MI6 spy. In a letter sent to daily newspaper *Jutarnji list*, Hartmann alleges Nice "did not fight hard enough" to get former Yugoslavian Slobodan Milosevic convicted for the Srebrenica genocide which resulted in the deaths of perhaps as many as 8,000 Muslim men and boys. She alleges that Nice never considered an array of serious charges against Milosevic. According to Hartmann, former Kosovo leader Azem Vllasi, explained Nice had told him about

his MI6 role as early as 1966. In her recently published book *Peace and Punishment*, she writes: "For some reason Nice kept trying to throw out the gravest charges from the indictment against Milosevic, including genocide in Srebrenica and Sarajevo."



Radovan Karadzic is also mentioned in the same context as Milosevic. The US has a \$5m reward for information leading to his arrest. However, Hartmann contends the "spooks" of London, Washington and Moscow struck a deal that allowed him his freedom. Hartmann mentions wiretapped conversations between Milosevic and Serbian war

h Spy Ring" or Poland

and Viktor Bogdan were convicted of "treason."

The Supreme Court's military collegium found the four guilty of premeditated espionage which damaged Belarus' national security. Russkin was also found guilty of organising the collection and passing of secret information to a foreign intelligence - namely Poland. All four were stripped of their military ranks, that ranged from lieutenant to major. The court did not explain why the men received such short prison sentences.

- Belarusian security teams arrested Polish military attache Kasimez Witaschy in April 2004 on spying charges. He was ejected from Belarus a few weeks later.



INTEL ONE LINERS

• South Korea's National Intelligence Service (NIS) director Kim Man-bok said the spy agency has mapped out a blueprint to become one of the world's top five spy agencies in 10 years, and said he wants to put the NIS on a par with MI6, Mossad and the CIA.

• J. Michael McConnell, US director of national intelligence, told Congress that the public debate over the Bush administration's controversial warrantless wiretapping programme would lead to American deaths by revealing sensitive surveillance methods to potential terrorists.

• Ernst Uhrlau, the head of Germany's Federal Intelligence Agency (BND) criticised private security firms operating in combat zones. Following a recent incident in Iraq blamed on the US security outfit Blackwater, Uhrlau said: "Private contractors aren't under strict international oversight as soldiers and can be more prone to break the law."



Ahmadinejad banned from Ground Zero

IRAN'S PRESIDENT MAHMOUD AHMADINEJAD was banned from visiting New York's "Ground Zero". The Iranian leader wanted to place flowers at the site of the fallen twin towers. One reason is that US officials say Iran is providing terrorists in Iraq with advanced IEDs that have killed hundreds of Coalition troops in the country. General David Petraeus, the senior Pentagon commander in Iraq, told Congress that Teheran was training and arming Iraqi militias who were killing Americans. Hillary Clinton called Mr Ahmadinejad's request "unacceptable" while Democratic rival Barack Obama said Ground Zero "must not be a backdrop for President Ahmadinejad to posture".



Favourite to become the next US President and former New York Mayor, Rudolph Giuliani (pictured above during the debris removal operation) called the plan "outrageous". President Ahmadinejad was in the city attending a UN meeting.

CIA AT 60

STATEMENT By CIA Director Michael V. Hayden on Agency's 60th Anniversary

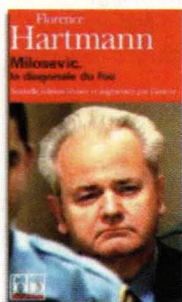


"Those who founded the Central Intelligence Agency 60 years ago understood they were creating something entirely new: a secret civilian intelligence service, its place in government central, its judgments free of departmental influence. They also knew the times demanded it; Pearl Harbor was a recent memory, and the Iron Curtain a new reality. America, no longer a reluctant player on the world stage but the Free World's champion, faced global responsibilities and threats - and needed a Central Intelligence Agency. In 2007, it still does - more than ever. We confront a very different range of challenges than our founders did, but we approach them with the same expeditionary spirit, unrivalled expertise, and deep patriotism. Eighty-seven stars on our Memorial Wall attest to the sacrifice and resolve of our heroes from every generation, qualities that are a constant in the life of the Agency. As CIA fights a new kind of war - one that uniquely demands the resources and tradecraft of a clandestine intelligence service - we do so confident that we uphold and defend the values of our free society, to which we are fully accountable as we strive to enhance its security."

To mark the anniversary, the CIA welcomed back an old friend - the agency's A-12 OXCART, the fastest, highest-flying aeroplane ever to take to the skies.



"NICE IS MI6 SPY"



Hartmann's 1990s work on Milosevic

without anyone feeling it necessary to present them to the court as relevant.

Hartmann believes the Srebrenica massacre could have been prevented and that British, American

leaders during the "Srebrenica massacre," which she alleges the Americans did not submit to the court, as well as some parts of the evidence that "slept in the prosecutors' box for years

and French intelligence conspired together.

• Florence Hartmann covered the former Yugoslavia for France's *Le Monde*, and later became the most prominent spokesperson for the Hague Tribunal. She is also the author of a study of Slobodan Milosevic entitled *La diagonale du fou* (*The Bishop's Fool*), expanded edition Paris 2002. She recently visited Sarajevo to take part in a conference on research into crimes against humanity and genocide.



Geoffrey Nice

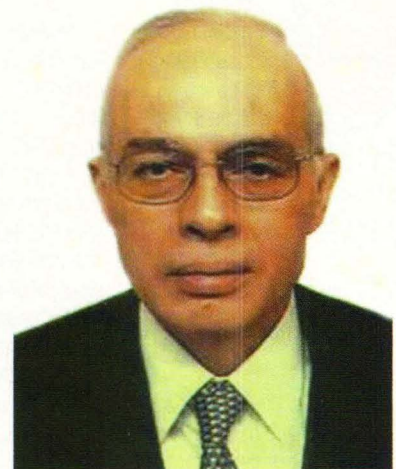
SILENT

The strange death of suspected Mossad agent Dr Ashraf Marwan takes a bizarre new turn

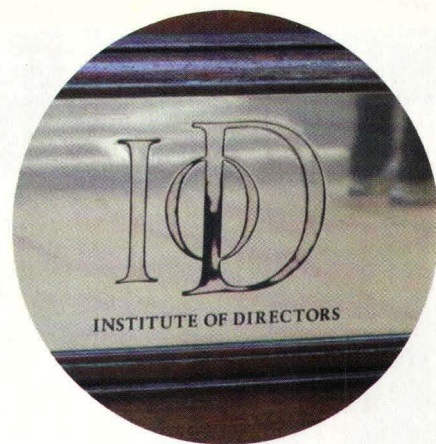
Detectives from Scotland Yard probing the mysterious death of Egyptian billionaire - Dr Ashraf Marwan, have confirmed a vital piece of evidence has gone missing. Marwan, 62, the son-in-law of the former Egyptian leader President Nasser, was found dead on the footpath below his luxury seven-room Mayfair apartment on 27 June. Initially police treated Marwan's death as an "accident" or "suicide", but the evidence soon pointed to a more shadowy explanation.

Marwan had recently been "outed" as a suspected Mossad agent who supplied Israel with vital intelligence prior to the 1973 Israel-Arab war. Egyptian intelligence refute the allegation - which came from the former head of Israeli intelligence - and claim he had actually fed Tel Aviv disinformation. Either way, both sides privately acknowledge Marwan was a well-connected and resourceful spy. The truth to his real role lies probably somewhere in the middle.

Clues to death of alleged Mossad spy 'appear' - then 'disappear' - but vital new eye witness testimony unearthed



WITNESS?



The shoes which Dr Marwan wore when he “fell” from the balcony of his luxury Mayfair apartment, have now gone missing. They could have provided vital forensic evidence

feet tall balcony rail would have been very difficult for him,” said an associate.

At the time of the incident, it is believed the only other person in the apartment was his maid. Yet police are now investigating reports that two “smartly-dressed men of Mediterranean appearance” were seen on his balcony just moments after he fell. The observation was apparently made from a window at the nearby Institute of Directors’ building at 116 Pall Mall. The two men were seen to look down from Marwan’s apartment, then seconds later disappear inside.

Marwan’s family are convinced he was murdered. His son, Gamal said: “There is no

Continued on page 82

Marwan was given code names such as ‘Angel’ and ‘Babylon’ by Mossad. And it’s rumoured the Israeli intelligence service even purchased a small safe house near London’s Dorchester Hotel where he could meet his handler. Intelligence sources believe the apartment was bugged so every comment from Marwan could be recorded and sent via Israel’s embassy to Tel Aviv.

Unbeknown to many, Marwan had completed several hundred pages of his memoirs - a fact that some believe could have contributed to his death. That partially finished manuscript, divided into three 200-page sections, has reportedly “gone missing” along with other evidence - including the shoes he was wearing at the time of his death. Police sources privately believe both items have been destroyed or stolen.

It’s not known exactly how many pages of the book had been completed, but sources claim Marwan had made a number of audio tapes. Of additional interest, it is believed he was due to fly to the United States to conduct further research and finalise publication details. The book was reportedly due for release in October, but this seems rather optimistic. A

person with some knowledge of its content also disclosed that it contained material drawn from government-released papers. More interestingly, Marwan apparently wrote he was not an Israeli spy.

After police were called to the address, Marwan’s body was carefully examined, photographed and taken to the mortuary. He was still wearing his shoes. The shoes are a particularly vital piece of evidence. Eye Spy visited the scene just hours after his death and support the theory that if Marwan purposely jumped, he would have had to climb on to a patio plant pot - then over the railings. Particles from pot plants, shrubs or other details on the soles of his shoes could have confirmed this. However, the suggestion that he “willingly jumped” has been rejected by his family and close friends. Marwan’s sister said she saw him in “good spirits” just hours before his death. But another unidentified friend said Marwan lost his balance and fell. Such information has complicated the case, but it is true that Marwan needed assistance to get in and out of the bath - the result of a nervous condition. He was also suffering from a heart condition, depression and used a walking stick. “To climb the four and a half



It is believed a witness looking out of a window at the nearby Institute of Directors building saw two men on the balcony of Dr Marwan’s flat at around the time of his death

TITAN

***World War
III Has
Begun and
it is a
Cyber War!***

Kevin Coleman

RAIN

A series of cyber attacks on the Defense Department and Defense contractors in the United States as well as the Ministry of Defense and Parliament in the UK have created significant cause for concern for computer security experts. An investigation of the attack signatures shows a significant level of sophistication. Most are "highly skilled professionals" said one source, who wished not to be identified. These most recent cyber attacks are using new strains of computer viruses, logical bombs and other advanced techniques that can paralyse government agencies and communications.

In this specially commissioned report, intelligence analyst and world renowned computer expert Kevin Coleman, finds out who is behind the latest attacks, why they are occurring, and what can be done to stop them.

Start... Classif
stop the world's

Moon

Cyber Warfare Weapons Arsenal

Moonlight Maze is the US Government's code name for a series of coordinated attacks on computer systems that occurred in 1999. This was a two-year long attack discovered by the Department of Defense. The attacks were traced back to a mainframe computer in Moscow, but it is unclear at this point if that is where they originated, or who was behind the incidents. A high-placed source stated this is still an open and active investigation today.

Titan Rain was the intelligence code name for another ongoing series of cyber attacks on US computer systems since 2003. Titan Rain is thought to rank among the most pervasive cyber security threats that computer networks have ever faced. At this time investigators believe that this is a coordinated attack involving about two dozen hackers.

Though the media has continued to use the Titan Rain code name, Eye Spy can confirm it has been changed, though the new name for the attacks is classified.

Information for exploiting known computer vulnerabilities is easily obtainable by anyone via the Internet. Programmes covering nearly every aspect of hacking, from Trojans to keyloggers, to step-by-step tutorials on how to effectively hack computer systems, are now available on eBay's online auction site. Individuals do not need to be overly technical to use these hacking tools either. The fact that a much broader audience can easily get these tools and learn how to use them has security professionals concerned. One computer insider said that there

is evidence that a criminal enterprise has been established, whose sole purpose is to create hacker kits to exploit software vulnerabilities as soon as they are publicly disclosed. One such hacker kit developed last year sold for over \$50,000 per copy. This is big business.

In April of this year, Estonia was the target of a coordinated attack on their national internet infrastructure, which all but crippled the country. The attack lasted about three weeks and involved an estimated 1 million computers. The massive denial-of-service (DOS) attack was thought to be launched by Russian hackers. The attacks on Estonia began 27 April. The attack used "botnets" (swarms of computers hijacked by malicious code) which overloaded sites and networks by deluging them with bogus requests for information. Estonia has a population of about 1.3 million and is one of the most wired countries on earth. The intent of the attack was to shut down the country's information infrastructure. This impacted Estonia's citizens' ability to execute financial transactions as well as impacting the country's supply chain for food and other products. For example, at the peak of the attack, people who wanted to use payment cards to buy bread or gas had to wait because the traffic overload created by the attack all but halted operations at Estonia's banks.

INTEL: In the past four months, Chinese hackers have allegedly targeted Germany, the United States, France, the United Kingdom and other NATO organization's information systems and infrastructure.

In the book *Unrestricted Warfare* published in February of 1999, it suggests tactics that can be used by developing countries (like China) to

- Computer worm
- Denial of Service Attack
- Info-blockade
- Root Kits
- Botnets
- Malicious Code
- Keyloggers
- IP Spoofing
- Logic Bomb
- Sniffing
- Spamming
- Trap Door
- Trojan Horse
- Video Morphing
- Viruses
- Software Vulnerability Exploitation

overcome military inferiority when going up against countries like the United States. This concept has continued to evolve and now consists of fifteen different modalities of warfare employed against an enemy.

Note: For additional information on the concept of *UnRestricted Warfare*, please refer to Eye Spy Number 40, published in 2006.

ed intel programmes that aim to
most dangerous cyber gang. STOP

light Maze

World leaders are facing a new threat to their environment, unlike any they have previously experienced in the past.

The Department of Homeland Security (DHS) and the National Security Agency (NSA) have joined forces and launched a massive cyber initiative utilising 2,000 personnel - many of them computer programmers and analysts. Sources have stated that this coordinated effort is directly related to the recent escalation of cyber attacks. Attacks on telecommunications systems and computer networks have been called the invisible threat to the national economy and security. Day after day, digital warriors defend our information systems and infrastructure against thousands of unseen attacks by criminals, enemy states and terrorists. In analysis provided by Spy-Ops, nearly 3.9 million computer attacks have been reported in the last 24 hours. This clearly shows the magnitude of the problem.

The cyber threat matrix (Fig. 1) has been developed by Spy-Ops, that examines the intent and capabilities of six potential enemy nations as of mid-2007.

No one (military or private sector) should assume that adversaries lack the sophistication to take advantage of software vulnerabilities. Nor should they turn a blind eye to the fact that more and more equipment like cell phones, automobiles and other devices have microprocessors and software built into them and connect to the Internet. The exposure to cyber attacks grows with every new device that connects to the Internet or our internal networks.

FACT: China is second to only the United States in military spending. They recognise the lead that the United States has on them in the area of C4ISR (Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance) and wants to disrupt or even remove that advantage.

It is also important to realise that individuals can pose as much of a threat as rough nation states do. A British man hacked into nearly 100 computer networks operated by the military and NSA. For over a year the man stole passwords, deleted files, monitored traffic and shut down computer networks on military bases from Pearl Harbor to Connecticut, and two of the computer break-ins were at the Pentagon. An army of one can cause significant damage and disruption to computer systems and networks.

A US Defense Department report indicated that China's blueprint of cyber war is part of a plan to dominate the cyber world surpassing its competitors like the USA, UK, Russia and Korea by 2050.

This is a clear indication of the growing threat of cyber warfare. One report charges that China

Fig. 1

CYBER THREAT MATRIX

Country	Estimated Military Spending	Intent	Estimated Threat	Current Capabilities	Basic Data Weapons	Intermediate Data Weapons	Advanced Data Weapons
China	\$55.90	5.0	High	4.2	Yes	Yes	Yes
Iran	\$9.70	4.0	Elevated	3.4	Yes	Limited	No
Libya	\$1.30	3.0	Moderate	2.5	Yes	No	No
North Korea	\$5.20	3.0	Elevated	2.8	Yes	Limited	No
Russia	\$44.30	5.0	High	4.0	Yes	Yes	Yes
Syria	\$8.90	3.0	Moderate	2.2	Yes	No	No

Estimated Military Spending is in Billions of U.S. Dollars

Rating Scale: 1 = Low 2 = Limited 3 = Moderate 4 = High 5 = Significant

Fig. 2

CYBER DEFENSE MATRIX

Country	Technical Capabilities	Defense Commitment	Defense Capabilities	Current Capabilities	Basic Defenses	Intermediate Defenses	Advanced Defenses
U.S.	4.2	4.5	High	4.2	Yes	Yes	Yes
U.K.	4.0	4.1	Elevated	3.7	Yes	Yes	Limited
Russia	3.7	3.2	Moderate	3.8	Yes	Limited	Limited
Syria	3.2	2.8	Moderate	2.8	Yes	Limited	No
Israel	3.5	4.2	Moderate	3.9	Yes	Yes	Limited
Iran	3.8	4.5	Moderate	3.7	Yes	Limited	No

Estimated Military Capacity to Defend Against Cyberwarfare

Rating Scale: 1 = Low 2 = Limited 3 = Moderate 4 = High 5 = Significant

has been engaged in cyber theft and attack against the United States and other countries that it perceives as its enemies for years.

INTEL: In July of 2007, German officials proposed the use of Trojan horse software to secretly monitor potential terror suspects' hard drives, amid fierce debate over whether the measures violate civil liberties.

Most countries are complacent with regard to protecting their information infrastructure. A US Congressional Committee on computer security has given failing grades to many of the federal organisations it scrutinises. The cyber defense matrix (Fig. 2) was developed by Spy-Ops.

Most defences against cyber attacks are very rudimentary and reactive for two main reasons.

First, public-private partnership is required in order to implement many of the defences. It is always a difficult obstacle to overcome. The second reason is that much of the computer manufacturing and software development is now done offshore. In one case, a technology oversight committee found that nearly 85% of the telecommunications related equipment used a substantial amount of components that were sourced outside the United States. Foreign influence in the computer and information technology sectors is high and has become a major concern amongst defense and security experts.

It is reported that in the summer of 2002, President George W. Bush signed a classified order that established guidelines for determining when and how the USA would attack foreign



COURTESY NORAD



computer systems. In 2004, then Defense Secretary Donald Rumsfeld, approved a newly drafted *Information Operations Roadmap* that was said to outline the capabilities being developed for offensive cyberwarfare. In November 2006, the United States Air Force set up a new cyberwarfare group, called the **Cyberspace Command**.

INTEL: The Pentagon launched a cyber attack on Iraq as part of its 2003 invasion. This is thought to be the first use of cyberwarfare in conjunction with conventional attacks in history. While there have been numerous *cyberskirmishes* between attackers in China, Taiwan and the USA in the past decade, this was an all out attack.

The cost of entry into these emerging weapons of mass disruption is very low. It is important to note that *smart people* are the key to developing data weapons. A few computers, a network connected to the Internet, and people who understand software and systems, is all it takes to enter the cyber weapons race. It is important to realise that you can not tell if an adversary has cyber weapons until they use them!

INTEL: In August of 2007, Chinese hackers installed Trojan horse programmes on many PCs in the German government and related organisations using booby-trapped Microsoft Word files (.DOC) and Microsoft PowerPoint files (.PPT), according to sources close to the investigation in Germany. China is already a world power and will soon be a superpower challenging the United States and Europe in all fields. These threats are real and our defences are weak. Use of scenario planning will help anticipate the challenges, however, with so many ways to be attacked by hackers it is difficult to construct a cyber security strategy and plan.

CYBER ATTACK SCENARIO

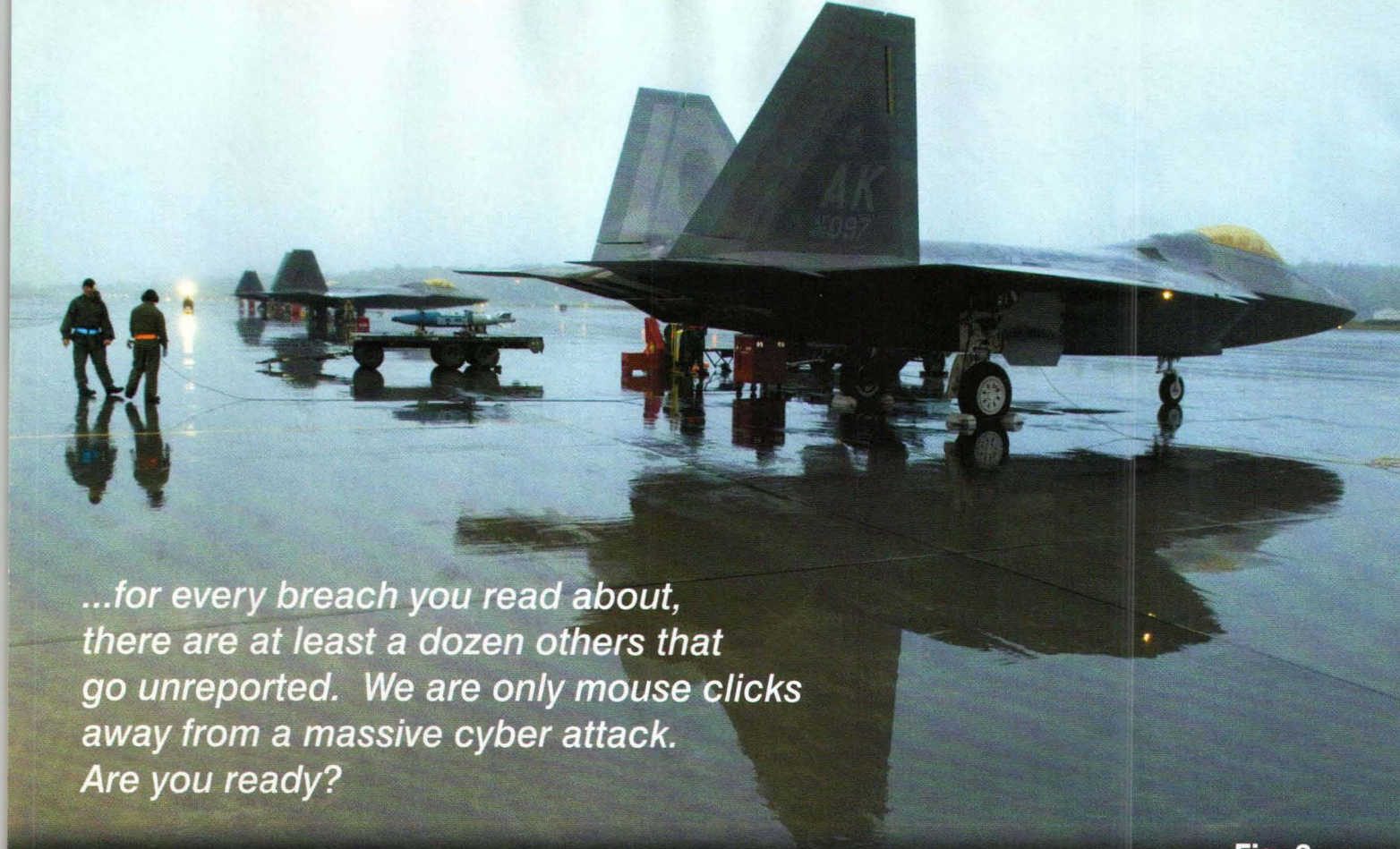
The following *scenario* has been described and rated as "a *likely scenario*." A cyber attack requires detailed planning in order to go undetected and achieve the strategic objective. While many believe this is very difficult, the following data proves otherwise.

STRATEGY: Use malicious code hidden inside computer imported by a country.

OBJECTIVE: Mass disruption of a nation's information infrastructure. ➤



*you can not tell if an
adversary has cyber
weapons until they
use them...*



...for every breach you read about, there are at least a dozen others that go unreported. We are only mouse clicks away from a massive cyber attack. Are you ready?

Fig. 3

Computer software	Mexico	23.7%	China	17.0%	Canada	16.6%
Information and communications	China	40.5%	Malaysia	13.4%	Mexico	10.1%

WEAPON: Massive distributed denial of service attack.

PLAN: Create the capability to launch a massive denial of service attack from within a targeted country. This could be accomplished by inserting malicious code into personal computers and laptops at the point of manufacture.

TACTIC: Covertly place malicious code in millions of computers at the point of manufacture. Hiding malicious code into the reported 50 million lines of code in VISTA or the reported 55 million lines of code in Linux would be the mechanism of delivery for the attack.

IMPORTS: The West imports a significant amount of advanced technology. One report showed that China exported nearly \$74 billion of advanced technology products to the United States alone. In 2006, the table shown in Fig.3 (top of page) indicates the top three countries exporting computers, information and communications equipment into the USA. The percentage represents the imports percentage of the market.

The Cyber Defense Agency, an information security and research company, warned in 2006 that widespread use of outsourced commercial software by the US organisations could expose the West to cyber attacks caused by malicious code buried deep within the millions of lines of software.

DETECTION: Uncovering this kind of attack with current testing techniques and practices is highly

unlikely. It is like looking for a needle in a hay stack - a few lines of code dispersed throughout the millions of legitimate lines of code. Limited tools are available to detect the hidden code so the primary method of detection would be manual code inspection. Given every computer would have to be checked for the hidden code, the likelihood of detecting this type of an attack would be very, very limited.

RESULT: At a designated time, all the computers infected with the malicious code would begin to flood the networks they are connected to with malicious transactions. This flood would inhibit the networks' ability to conduct legitimate transactions. As the volume of malicious transactions increase, the associated server(s) and network(s) would fail.

Fact: The advances in cyber attack techniques currently being used all over the world have become very sophisticated. This rapid advancement of attack techniques has significantly outpaced improvements in security.

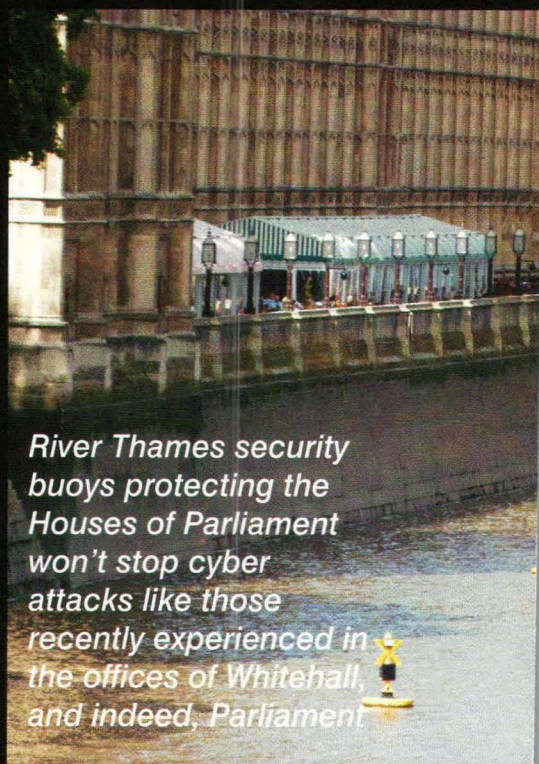
Fact: According to computer security experts, about 1,000 new computer viruses are seen every month. Some 250 are completely new and 750 are modified versions of previously discovered viruses.

Fact: In 1999, Chinese hackers took down three US Government sites after NATO bombers mistakenly attacked the Chinese Embassy in Belgrade.

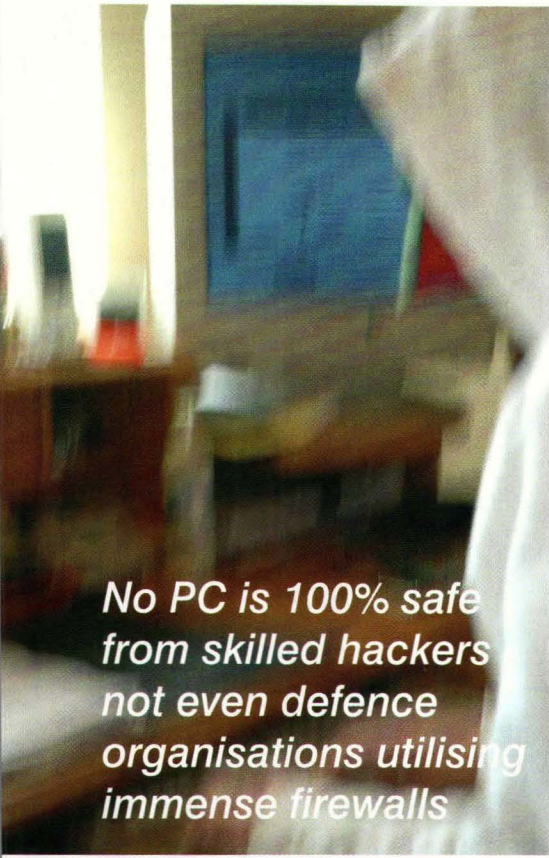
Fact: Al-Qaida prisoners interrogated by the United States have admitted their intention to use cyber weapons to attack the West's critical infrastructure.

OBSERVATION

We are in a new era of conflict. It is a silent war. No gun fire, body-count, bombed buildings or



River Thames security buoys protecting the Houses of Parliament won't stop cyber attacks like those recently experienced in the offices of Whitehall, and indeed, Parliament



**No PC is 100% safe
from skilled hackers
not even defence
organisations utilising
immense firewalls**

other metrics and measure that have been used to report military progress will be of little relevance in the age of cyber warfare. Silent attacks are waged daily that threaten the electronic society we live in. The short-sightedness of governments and businesses has left all of us at significant risk. This is not a problem that will go away anytime soon!

CONCLUSION

The threats we currently face represent a new way of thinking about conflict and warfare. Cyber

attacks are particularly dangerous because of the world's reliance on computers, networks and technology. These computers control critical systems that run power plants, telecommunications infrastructure, air traffic and more. Cyber attacks on banks, stock markets and other financial institutions could have a devastating economic effect on any country. With international law lagging in the area of cyber crime and cyber warfare, it resembles the early days of the "Wild-West" (untamed territory).

The recent events are clearly cases of state-sponsored governmental and corporate espionage. Spy-Ops estimated that corporate espionage alone has grown to be a \$1.5 trillion problem. Countries around the world need to wake up and recognise the danger of cyber warfare. In the spring of 2001, literally weeks after I left Netscape, I testified before members

of the US Congress and demonstrated the ease with which one could break into a computer. In the live demonstration over a 56k dial up line, we were able to hack into the computer through a properly configured firewall, with antivirus and all the latest updates.

The warning of predicted attacks on the information infrastructure has now become a reality. Significant action must be taken now by the United Nations and individual countries to protect the critical information infrastructure and secure the electronic backbone of society. Developing, equipping and deploying Cyber Warfare units are critical if we are to ensure country's survivability, prosperity and stability. In closing, remember that for every breach you read about, there are at least a dozen others that go unreported. We are only mouse clicks away from a massive cyber attack. Are you ready?

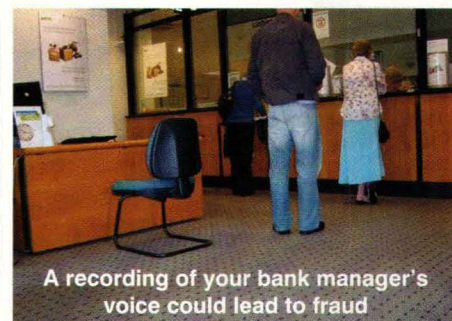
Advanced Computer-Generated Voices and "Vocal Terrorism"

Researchers at York University have warned that so advanced is the field of computerised speech, it now poses a genuine terrorist threat. David Howard, who leads a team of voice synthesis experts, built a 3D computer model of a man's larynx using medical imaging of the throat provided by Brad Story, a voice expert working at Arizona University. Howard believes that in time, computer-generated voices will be so impressive and realistic, they could be used to spread disinformation by hacking phone networks, and used to broadcast propaganda.

The scientists further warn that the synthetic digital voices will make them indistinguishable from real human speech within 10-15 years.

The 3D computer models allow scientists to generate more "natural sounding speech" by simulating air flowing through a real vocal tract. By stretching and contracting the virtual larynx, the researchers are able to recreate the movements of throat muscles that are used to produce different vowels and other sounds.

For call centres, and business, the technology will be of value. However, Dr Howard says they could also trigger new forms of crime and disruption.



"We'll be able to synthesize the voice of anybody saying anything, based on hearing just a sentence or two of them speaking," he said. "This gives rise to a notion of what I call vocal terrorism as a possible scenario in the future and we should be thinking about that now."

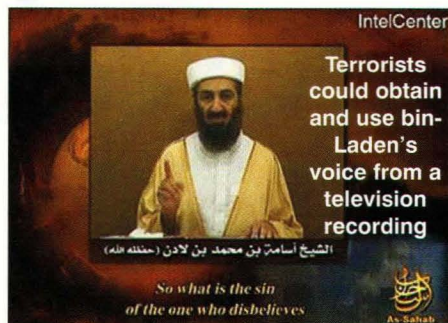
In the past, voice artists have been used to trick celebrities into thinking they were talking to friends or dignitaries. Politicians have also been fooled. Dr Howard warns that criminals might also utilise the technology.

"It could be that you're fooled into thinking your bank manager is ringing you, and gets you to divulge details of your account, or it could be that I've taken over a communications network for a country and I broadcast the sound of a leader to the people," he added. Criminals already use the telephone to convince people to hand over vital information, but having a "ready made tool", will make the task much easier.

When Osama bin-Laden is heard on a tape, analysts at the CIA compare various data to confirm the terror leader is actually speaking. Scientists believe the new technology will outsmart such analysis. "All that will be required to generate a digital voice is just a few lines of speech from an individual," Eye Spy was told.



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It's all in the detail: intelligence and security crests of the world

So popular was our feature on official crests, seals and logos of the world's intelligence services (issue 43), we've tracked down over a 100 more to examine - most of which appear on our Intelligence Crests II Poster. And there are some very rare examples indeed....

A Moment in Time

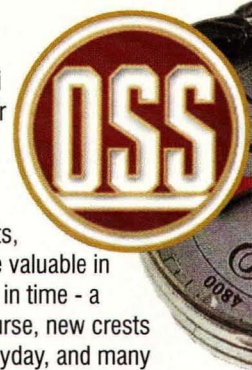
It's never easy trying to determine just how a particular crest was formed, what it represents, or when it came into official being, unless of course the Service in question kindly explains its origin and history. Yet despite this, many features used to create a crest are universal in the heraldic world and can be deciphered.

Following our first article on crests, several readers enquired about some "rare gems" that have never been seen. Indeed, it's quite possible some "don't exist". China's MSS - Guojia Anquan Bu (Ministry of State Security) looks after the vast country's security - but it is also busy pursuing the collection of intelligence as well as performing counterespionage and counter-revolutionary activities. It is not known if the directorate charged with espionage (in all its forms), has a unique crest - though we are reliably informed it does - and central to the crest is China's 'red star emblem'. Indeed, many agencies opt to incorporate national symbols within their official crests. For example, the Bald Eagle of the United States is embedded in most of America's crests and seals. The eagle also

appears on German intelligence and government logos. More exotic animals are used throughout the world, including the elephant in India, the legendary Turul in Hungary - and more dragons and strange lion-type creatures you can think of. But they all have one thing in common - they are used because of a known association with the respective country, tradition, leaders, people and sometimes religion. Many are seen as an illuminated history of the country - Turkey's MIT - or National Intelligence Organisation, for example.

What makes locating and researching crests so particularly interesting, is that you never know quite what to expect. Another concern to collectors of such information is that new representation crests are forever being created, while older types are consigned to history. Depending on the nature of the organisation or what the crest or emblem represents, some are hailed as "legendary gems" and utterly respected, such as the OSS badge (Office of Strategic Services) from WWII. Anyone wearing that crest is regarded as a freedom fighter and early composites are highly collectable. On the other

hand, some collectors of Nazi memorabilia tend to keep their Waffen SS skulls and swastika crests tucked in a drawer for fear of offence. Intelligence and security crests, especially early examples, are valuable in that they represent a moment in time - a piece of history. Today, of course, new crests and seals are being born everyday, and many are being produced by people actually working for the respective agencies.



OUT WITH THE OLD

New crests emerge for a variety of reasons. In 2001, Britain's "ears on the world" GCHQ (Government Communications Headquarters) relocated a few hundred yards away to a brand new modern building - and a new crest - or perhaps more appropriately phrased in the Internet world - a "new logo". Its old crest was a charming configuration of letters, laurel or olive leaves, a crown and central to its design - a globe crossed with latitude and longitude lines representing its coverage of the Earth. Colour plays a purposeful role in many



President Bush attends the Swearing-In ceremony of Mike McConnell as Director of National Intelligence - in the background the seal of the newly formed office

crests, and GCHQ chose to colour its globe blue - a reflection of "truth and loyalty"... or maybe just because most of the planet is blue! Who knows?

"Moving house" is but one reason why a service might consider altering the design of its crest. A



change defining the exact role of an agency might also prompt a slight shift in this direction, but more often than not, this results in the creation of an entirely new agency, directorate or similar. And no country in the world has seen more of a shift towards redevelopment of its intelligence community than the United States. A huge dramatic change in the way in which intelligence is collected, shared, disseminated and ultimately actioned, has seen the birth of new agencies, sub-agencies, directorates, committees and intelligence posts throughout the civilian, military



Seal of the Treasury Department

The present design of the Seal of the Department of the Treasury was approved by Treasury Secretary Henry H. Fowler on 29 January 1968. Because it was used by the Board of Treasury under the Articles of Confederation, the basic design of the Treasury Seal has existed longer than the Federal Government itself.

OLD SEAL

In 1788 the Continental Congress named John Witherspoon, Gouverneur Morris and Richard Henry Lee to design seals for the Treasury and the Navy. The committee reported on a design for the Navy the following year, but there is no record of a report about a seal for the Treasury.

Treasury Department records indicate that the actual creator of its seal probably was Francis Hopkinson, who is known to have submitted bills to the Congress in 1780 authorizing design of departmental seals, including one for the Board of Treasury. Although it is not certain that Hopkinson was the designer, the Seal is similar to others he designed. Also obscured by the absence of historical proof is the reason for the original wording that embraced all of North America.

NEW SEAL

For nearly two hundred years, the Seal bore the Latin inscription, 'Thesaur. Amer. Septent. Sigil', which translates The Seal



The seals past and present of the DOT - one of America's 16 premier intel agencies. Also pictured the first treasurer - Alexander Hamilton (1789 - 1795) and Henry M. Paulson, Jr., the current Secretary of the Treasury

of the Treasury of North America. This inscription was changed on the present design to read The Department of the Treasury.

Other changes to the seal was the addition of the date - 1789 to record the year the Department was created. The Seal shows its arms depicting balancing scales (to represent justice), a key (the emblem of official authority) and a chevron with thirteen stars (to represent the original states).



No prizes for guessing the owner of this spectacular crest - the portcullis is a traditional symbol of Britain's Parliament - but its heraldic meaning is - "protection in an emergency" and appears on several crests, official buildings, notepaper headers etc.



METROPOLITAN POLICE



The door to the Coroner's Court in London - note the prominent portcullis

spy agency. The DOT is a vital cog in the intelligence wheel that has the ability to identify the terrorist finance houses, seize or locate monies entering or leaving the country for illegal purposes, track outfits involved with identify fraud, drugs and criminality etc. The DOT crest features a set of scales representing justice and a key for guardianship or dominion. The modern design mimics the original gray-slate-maroon coloured crest, and even carries the date in which the office was first established - 1789. The stars depict the original States while the chevron means 'Protection' - "builders or creators who have accomplished some work of faithful service." Interestingly, the office does not mention the chevron and its vital meaning to the crest on its web site! Nevertheless, unbeknown to many, the DOT is one of the world's oldest agencies.

One agency driven by events of 9/11 is the FBI. It has purposely moved away from a perceived notion of a "federal law enforcement agency", to an organisation capable of living and operating with an intelligence flag. Various directorates and units have sprung-up involving counterterrorism, including the Terrorism Screening Center (TSC), weapons detection units etc. With each new department, comes a new dedicated crest. And why not? Crests also reflect people - the most important part of any service. Many wear an 'association pin' with pride, but in the intelligence world that's not



"Today, the FBI is part of a vast national and international campaign dedicated to defeating terrorism. Working hand-in-hand with partners in law enforcement, intelligence, the military, and diplomatic circles, our job is to neutralize terrorist cells and operatives here in the US and to



help dismantle terrorist networks worldwide." - Joseph Billy, Jr. Assistant Director - Counterterrorism Division

always appropriate. The FBI's Counterterrorism Division crest, is a simple, but effective collection of elements encircled by what could be described as a compass - and a series of arrow-like markers facing in all directions affording protection (a compass symbol means direction). The colour gold reflects 'generosity' and 'elevation of the mind' - probably used in this context as a *wise protector*. Within this directorate lies other elements - including the TSC - a relatively new division. The TSC data base contains information on known or suspected terrorists only; it does not contain information on persons who have no nexus to terrorism. The crest is fairly simple - a globe containing a map of the Americas and a series of red and blue stars. We are not certain if the stars have any sort of specific meaning. No doubt the creators of this seal had

and space-related industries. For the first time since the birth of the CIA (which incidentally turned 60 in September 2007), just after WWII, all US intelligence and security agencies are pulling in the same direction. And with this change has come a fantastic array of new crests, seals and logos.

To oversee the reconstruction of American intelligence, Washington needed to create a new post - enter

Director of National Intelligence. This office is central to managing the smooth flow of intelligence between all of America's 16 premier intelligence services. But take a closer look at some of these organisations and you would be forgiven for thinking they should not be there at all! The Department of the Treasury sits proudly alongside the CIA. But officials now recognise that the collection of intelligence is no longer the sole responsibility of a



The Crest of the Slovak MIS - Military Intelligence Service



The base and the geometric centre of the MIS crest comes from the State emblem of the Slovak Republic expressing the competence and military-political importance of the Military Intelligence Service of the Slovak Republic. The sword and roll (tube) under the emblem represent two important parts of Slovak history. The "Sword of Blatnica"



Leaves from the Linden Tree

expresses its rich culture and represents the thousand-year-struggle of the Slovak nation for freedom and independence.

Sword of Blatnica comes from the period of Great Moravia Empire (9th century). The only known example of the weapon is stored in Hungary's National Museum in Budapest. The sword was found at archaeological site in Turčianska Blatnica in the grave of a "Great Moravian nobleman". The sword is unique, so the Slovaks believe, it was "exceedingly suitable as an incentive for military symbolism."

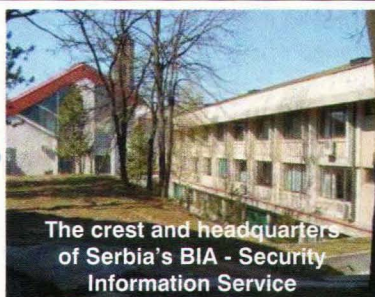
During the reign of Leopold I, and after the year 1658, swords carried on their blades the slogan 'Consilio et industria'. In English this means

"wisdom and action" (struggle). The designer of the MIS emblem was inspired by this slogan to create a new one - "Consilio et ferro" that stands for "Wisdom and Sword". Ferro means iron, but also sword. The sword is symbol of power, "honour, courage and bravery". The Latin title "Consilio et ferro", on the sword blade, punctuates this meaning and the process of the Slovaks struggle.

The linden-tree is sacred for Slovaks. Its leafy branch is a symbol of "Slovak glory". The tube-like roll on the crest expresses the nation's liberalisation and democracy fight. The roll is known as one of the oldest forms of the written recording of laws; it expresses "legality and education".

The circular design of the crest, which from a heraldic point of view is the most suitable, has universal usage not only as an emblem, but as well as a plaquette, medal, and signum.

© SLOVAK MIS



The crest and headquarters of Serbia's BIA - Security Information Service



ISA Intelligence and Security Agency crest of Bosnia and Herzegovina



Bosnia's ISA headquarters



SOVA Intelligence and Security Agency Slovenia

something in mind when they were inserted.

When the former USSR collapsed and Moscow's satellites became independent, up sprung a plethora

of new national crests to reflect their identity and new found freedom. But, as nations bordering the former USSR slowly found their feet, tensions emerged. In Europe, countries such as Yugoslavia imploded. For years held together by Tito and his brand of communism, the many ethnic regions of Yugoslavia opted for self rule. This sadly led to bloodshed. About 250,000 were killed by wars and "ethnic cleansing" in the new countries. Out of the resulting wars emerged Croatia, Bosnia and Herzegovina, Slovenia, Serbia and Macedonia. All of these countries now had to seek or "recreate" their intelligence and security agencies. Many of

Croatia's new security crests feature the familiar red and white chequered national flag accompanied by owls - signifying wisdom, globes and keys. Serbia's premier agency - the BIA (Security Information Agency) has opted to retain the sword - justice and military honour - within its crest. Serbia, with a population of 11 million is still the region's most powerful entity, despite the collapse of Yugoslavia and Eye Spy understands new security agencies are being formed - look out therefore, for new crests! The BIA has done much in recent years to rid itself of the secrecy which once darkened the image of Serbia.

The ISA (Intelligence and Security Agency) is another "young" intelligence service that has emerged in the region - guided by senior intel figures from the West. The ISA proudly state it "represents the people of Bosnia and

Herzegovina". Set atop a blue-oval globe, the country's national emblem - a large yellow triangle surrounded by a series of stars is incorporated in the ISA shield. The stars on the blue field represent Europe. The yellow triangle stands for equality between the three prominent peoples of Bosnia-Herzegovina - these are represented by three distinct yellow arrows. The ISA or OSA as it is known in Bosnia Herzegovina, is making great strides in combating al-Qaida terror cells. In 2005, it was awarded a special medal from the United States in recognition of its counter-terrorism work.

A good example of how intelligence services evolve, name change and splinter can be found in the Ukraine. The former Soviet satellite's major intelligence agency has had several "face lifts" since its independence from Moscow in the early 1990s.



Bosnia and Herzegovina ISA received this medal in recognition of its anti-terrorist work



COURTESY CZECH REPUBLIC FOREIGN MINISTRY

UZSI - Czech Foreign Intelligence Service Crest

UZSI's - motto roughly translated means "without anger and bias", "without hatred and partiality", "without prejudice and passions". Officials are keen to declare they serve the country and not any particular interests. Note the crown on the twin-tailed lion. During its time as a member country of the USSR - the KGB enforced a "no crown law" throughout Czechoslovakia. Also visible are the Linden tree leaves - as important to the Czechs as they are to the Slovaks



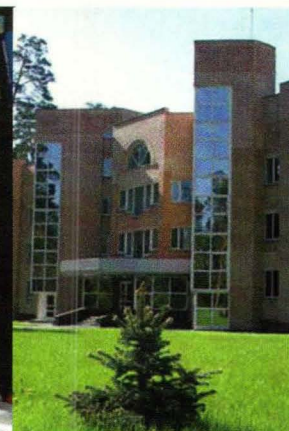
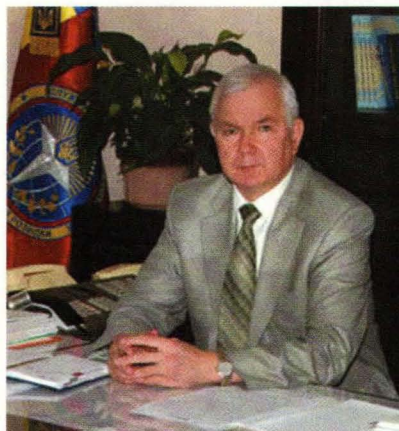
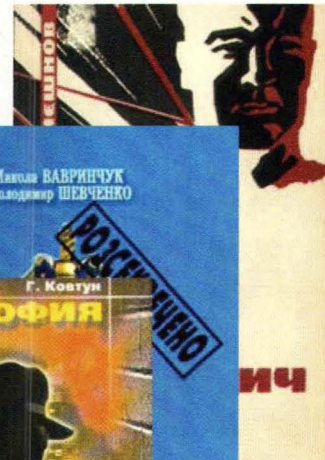
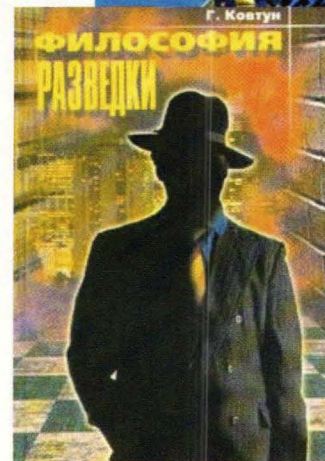
Eye Spy reconstructed the original French DGSE crest (above left). The popular logo is above

From September 1991 - December 1991 it was known as The First Headquarters of the National Security Service. From December 1991 - March 1992 - The General Headquarters of Intelligence of the National Security Service. In February 2004 the SBU was established - The General Headquarters of Intelligence of the Security Service of Ukraine. From February 2004 - October 2004, it was referred to as The Intelligence Department of the Security Service of Ukraine (SBU). The SZRU - The Foreign Intelligence Service of Ukraine emerged from the SBU and started operations on 14 October 2005, though it was actually formed in October 2004. The current head of the SZRU is Colonel General Malomuzh Mykola Grygorovych. He wants closer ties with NATO countries and the West and a special unit has been established to help gain full membership. The

SZRU links with NATO might be reflected in the Service's official crest which appears to include part of NATO's unique crest as well as other national symbols. On the subject of NATO - it holds a bizarre secret. The NATO symbol is unusual in that even NATO does not know its true origins. However, the basic design was conceived by a member of its 'International Staff'. On 14 October 1953, the Council approved a Flag for NATO, the design of which was a white and blue compass on a dark blue background. The emblem is normally used in blue or black on a white or light-coloured background. If the star-like emblem is to be used in a colour lighter than its background, its design should conform to that of the NATO flag. Regulations and protocol!

No doubt Moscow is privately annoyed that so many of its former

Below: SZRU head Colonel General Malomuzh Mykola Grygorovych pictured in his office at the service's headquarters. The Ukraine has seen a flood of intelligence books appearing in bookshops since the collapse of communism



COURTESY SZRU VIA UKRAINE GOVERNMENT



NATO flag raising ceremony Paris 1953. As strange as it may seem - the actual origin and purpose of the NATO symbol is unknown!

COURTESY NATO



The SZRU Chairman Mykola Malomuzh makes a speech on the occasion of the 14th anniversary of Ukrainian foreign intelligence - the service crest is proudly displayed behind the intelligence chief

"friends" are looking West for security, but to ease tensions a NATO-Russia Council was formed. Its logo is an interesting combination of stars representing countries on a totally vacant globe. Of course all of Russia's friends have not abandoned it entirely. Belarus may well be seen as an independent nation, but its intelligence service - the BKGB (Committee on State Security) has retained many elements of the original KGB crest - though "dressing" it with Belarus's national colours and symbols.

Seeking rare examples of service crests is a difficult task. France's DGSE (General Directorate for External Security) is one of the world's great intelligence services. It is widely known through its modern logo which features on France's Ministry of Defence web site. However, the logo is not the official crest and Eye Spy has learned that at least two variants exist. We managed to track down an authentic

description of the original DGSE crest which includes a spray of feathers (cockereel), or a single wing - a sign of obedience and serenity. We've recreated the crest on our Intel Crests II Poster. The country's national bird is a cockereel - though the heraldic meaning of a cock's feathers is courage and perseverance; hero; *"an able man in politics"*. This seems more in keeping with France's history of empire and configured in a shield - represents the defender. Also, now under the investigative eyes of Eye Spy researchers, is the official crest of France's super secret DRM - Directorate of Military Intelligence. The DRM crest houses elements or units that interact with France's other agencies and perform missions that rarely appear in the press. Its crest is contained within a shield utilising three colours - pale blue (truth and loyalty), green (hope and joy) and red (military strength and warrior/martyr). A large owl sits atop the Earth and from the exact

spot of Paris, France on the map - four lightning bolts strike out - signifying "swiftness and power".

Rarer still are two original Italian service crests - SISMI (Service for Information and Military Security) and SISDe (Intelligence Democratic Security Service). The SISMI crest incorporates two world maps (the Americas in one - Africa, Europe, Asia and Australia in the other). Above these are the scales of justice, and below a lighted torch or beacon - *"one who is watchful in times of trouble and who will alert the people"*. The SISDe crest is a simple circular arrangement showing an eagle - strength, bravery, alertness - flying over the countryside. We believe both these examples are still in use - though confined only to the walls of these important agencies.

LORRAINE CROSS

When the Slovak Republic was established on 1 January 1993, following the break up of Czechoslovakia, it moved quickly to establish an autonomous intelligence and security agency - the Slovak Information Service (SIS) - not to be confused with the UK's SIS (Secret Intelligence Service)! Predominately a counter-intelligence agency, the SIS crest features two owls - signifying wisdom - standing on the branches of a Linden tree - more commonly known as a lime tree. In the centre is the Slovak emblem - a Lorraine Cross in a gothic shield. The cross on the national flag is white centred on a background of red and blue.

The Cross of Lorraine was employed by St. Cyril and Methodius during their campaigns to Christianise the people of the Danube. The three hills are said to represent the three ranges of the Carpathian



The Lorraine cross was used by General de Gaulle as a symbol of freedom in the French resistance during World War Two



Slovak Information Service (SIS)

basin: Small Tatras, High Tatras and Small Fatras. Thus the emblems represents both the spiritual and geographic history of the Slovak people. (Interestingly, the Slovene Intelligence and Security Agency (SOVA) crest also incorporates three hills). It is interesting to note that a very similar emblem is also used as part of the Hungarian coat of arms. It was adopted after Hungary incorporated present day Slovakia as "Upper Hungary" into Greater Hungary during the 13th Century. In heraldry a tree symbol is the *"life and the mystical connection of the earth with heaven and the underworld"*!

The leaves featured on the SIS crest are identical to those featured on the Czech Republic's UZSI (Office of Foreign Relations and Information) crest, which is not surprising since the country's are so close. The linden branch symbol is regarded as hugely important to the Czech people. UZSI's crest features a unique twin-tailed lion - *signifying strength* - which walks on two legs wearing a crown - *defender of a fortress*. Like Slovakia, the Czech Republic has not been slow to join the intelligence community and create crests and seals to signal its national independence and historical importance. A lion also provides the backdrop to the Czech Republic's



The Lorraine cross was used by General de Gaulle as a symbol of freedom in the French resistance during World War Two

**CREATING A CREST ISN'T
JUST ABOUT ITS IMPACT,
COLOUR OR DESIGN.
BEFORE ANY OF THIS IS
CONSIDERED, RESEARCHERS
DISCUSS THE HISTORICAL
SIGNIFICANCE OF THE
SERVICE, ITS ORIGINS,
WHAT IT REPRESENTS, AND
HOW THE CREST WILL BE
PERCEIVED...**

NBU (National Security Office) logo. Interestingly, during the entire existence of communist Czechoslovakia, its national crown did not appear on any government symbols - the KGB saw to that. It was hurriedly restored when Moscow departed and it magically appeared everywhere!

As for the Lorraine Cross, it is not unique to Slovakia. Greece's military intelligence crest features the emblem, so too the STT - Lithuania's Special Investigation Service. A relatively new service, the STT crest features an eagle carrying a flaming torch on top of a shield housing the cross. Slovakia's MIS - Military Intelligence Service understandably had the emblem in the centre of its crest surrounded by those mysterious linden tree leaves!

SIGNALS

Many intelligence services turn to military units for assistance, especially when collecting intelligence in a conflict zone or if the task is simply beyond conventional methods. One recent addition to the UK's extensive special forces is the 18th UKSF Signals Regiment - part of the Royal



Corps of Signals. UKSF was reportedly created two or three years ago along with another specialised unit - the Strategic Reconnaissance Regiment. The men and women of UKSF provide communications for Special Forces and are sometimes used to intercept radio and telephone calls. They also participate in locating communications signals (ELINT). The Royal Signals motto is "Certa Cito" which is literally "Reliable

Information Quickly" but the Corps prefers "Swift and Sure". Although the crest featured here is that of the Royal Corps of Signals, it is believed 18th UKSF have their own defined crest.

The origin of the Royal Corps of Signals crest can be traced back to the Royal Engineers Telegraph Battalion in 1884, perhaps even earlier to the formation in 1870 of 'C' Telegraph Troop, Royal Engineers. The original design featured a figure of Mercury holding a Caduceus in the left hand, as does today's impressive crest. It was in 1920 that Mercury was placed on top of a globe, and though the globe has changed slightly in its appearance, it remains firmly fixed to Mercury's foot! As to why Mercury appears on the crest, the explanation seems to surround a Major CFC Beresford. He had asked for suggestions for a crest, but "could not find one better than his own", according to military historians. As to why he chose Mercury in the first place, apparently his father had bought a statue of the god at the Great Exhibition at Hyde Park in London in 1851.

This little gem of a story seems to betray the accepted notion that all elements and pieces brought together to make a crest, are carefully constructed, historically managed and have a purposeful meaning. Major Beresford just liked the figure! Or so it seems.

Contrast this classic and elegant crest with the modern logo of Australia's DSD - Defence Signals Directorate. It is quite possible this agency still uses an identical design to their British counterparts, but the DSD, at least publicly, have gone for a "clean look".

Instead of "lightning" or "electrical" streaks which feature on other signals and communication services, the Australian agency has gone for

softer sweeping lines. "Reveal their secrets... Protect our Own" is the DSD's Internet motto - it says everything about the agency's operation.



The DSD has access to the US-UK spy network known as Echelon. It also shares intelligence with sister [signals] intelligence services in the UK, USA, New Zealand and Canada. Its equivalent in Canada is the Communications Security Establishment (CSE). The CSE monitors foreign signals intelligence only and legally can't track its own citizens. However, that rule is somewhat defunct - as it is in the UK, USA, Australia and New Zealand because the law does not apply to the other participants of the Echelon system. In theory at least, if CSE wants an intercept on a member of the public in Toronto, for example, it can quietly ask a "friend" to help.

Under the 1948 UKUSA agreement, CSE's intelligence is shared with the United States National Security Agency (NSA), the British Government Communications Headquarters (GCHQ), the Australian Defence Signals Directorate (DSD) and New Zealand's Government Communications Security Bureau. As for the CSE's crest, the intelligence outfit has chosen to keep its traditional military design complete with a maple leaf. Within this, a key and two lightning bolts signifying "swiftness and power".

One of the most visually impressive seals (or shields in this case) to appear in recent times belongs to the US Air Force Office of Special

Investigations. The OSI is headquartered at Andrews Air Force Base, Maryland, but has units in 221 places globally - both on Air Force bases and in strategically important locations around the globe. Special OSI agents are trained to track down criminals, perform counterintelligence operations, and seek out threats of terrorism to the world.

As far as we can ascertain, the OSI crest is unique in that it carries an oil lamp, though you would be forgiven if you thought it looked more like "Aladin's Lamp". The crest depicts a "Vol" or set of wings over a globe. This symbol means "swiftness and protection" and appears on numerous international crests - but more famously on the NORAD shield. The two daggers represent "justice and military honour", perhaps not surprisingly as OSI agents also monitor drug abuse by serving military personnel. But what of the oil lamp? Well, this symbol means "light, life, and spirituality".



CELEBRATING ANNIVERSARIES

In a few years time, MI5, Britain's Security Service, will be celebrating its 100th anniversary. Eye Spy has learned a special crest is currently being created to celebrate this terrific achievement. Another agency with reason to pat its own back is the US Air Force Space Command. It has designed a special badge commemorating its silver anniversary (25 years). The origins of the service crest feature in an adjoining sidebar item, but the special "silver-laced" crest contains a number of the original elements "brought up to date", including the famous latitude and longitude lines used to emphasise the global nature of Air Force space operations.

A few thousand miles away in Bulgaria, the NIS - National Intelligence Service - has also created a special crest to celebrate 60 years of operations... well that's not strictly true as it was officially established as the NIS in 1990. However, the good people of Bulgaria were recently told the country has had a foreign intelligence collection service since 1947 - so who cares! NIS leaders acknowledge it has seen a few changes, including the odd communist leader and at times run operations against the West. But the NIS is relishing its new found freedom and purpose. Major General Kircho Kirov, Director of the National Intelligence Service,

Continued on page 82

NIS at 60



Bulgaria's Foreign Intelligence Service Celebrates its 60th Birthday

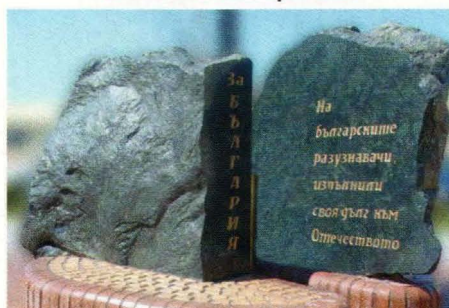
In May 2007, Bulgaria's NIS Headquarters was the focal point of a ceremony to mark the occasion of the 60th anniversary from the establishment of the Bulgarian foreign intelligence service. At the meeting the Vice-President of the Republic of Bulgaria Angel Marin, the Interior Minister Rumen Petkov, the Chief of the Bulgarian Armed Forces Head Quarters General Zlatan Stoykov, the Chair of the SCIS Tsveta Markova, other directors and officials of national services related to the security system, including former high-ranking officials officers.



Bulgarian President Georgy Parvanov at the NIS headquarters



NIS Director- Major General Kircho Kirov at NATO headquarters



The new NIS memorial outside its headquarters



COURTESY NIS BULGARIA

Air Force Space Command Emblem

25 YEARS AS GUARDIANS OF THE HIGH FRONTIER

The USAF Space Command was born on 17 April 1982. An emblem design had to be created which epitomized the mission and people of the new command. Several different designs were put forward, but US General Hartinger suggested that the command emblem should be patterned on the space operator's badge. The entire process was accomplished in record time and the first ever Space Command flag was ready for the official assumption of command. The final design drew heavily on the space badge for most of its elements.

The centrally dominant globe represents the Earth as viewed from space, the Earth being both the origin and control point for all space satellites. The lines of latitude and longitude emphasize the global nature of Air Force space operations. The emblem is provided its distinctive appearance by two symmetric ellipses representing the orbital paths traced by satellites in earth orbit; the satellites themselves being symbolically depicted as four point stars. The 30 degree orbital



The USAF Space Command's celebratory crest

inclination and symmetrically opposed placement of the satellites signify the worldwide coverage provided by Air Force satellites in accomplishing the surveillance and communications missions. The slight tapering of the orbital ellipses represents the characteristic eastward motion. The centrally superimposed deltoid symbolises both the Air Force upward thrust into space and the launch vehicles needed to place all satellites in orbit. The distinctive dark blue background shading, small globe, and stars symbolise the space environment.

The Space Command Motto, 'Guardians of the High Frontier' was the product of a contest which was opened to the local Air Force community in the Colorado Springs area. The actual motto was coined from the submissions of three individuals representing Space Command and the USAF Academy.

TRADECRAFT

MAGIC & ILLU

disguise technique

*Eye Spy examines the
difficult tradecraft of disguise*

**In Part One of Disguise
Techniques, Eye Spy
reveals why inner
confidence, understanding
yourself, dress wear,
deception, acting ability and
being generally convincing
are just as important
as knowing how to use
cosmetics and lie...**

PART ONE

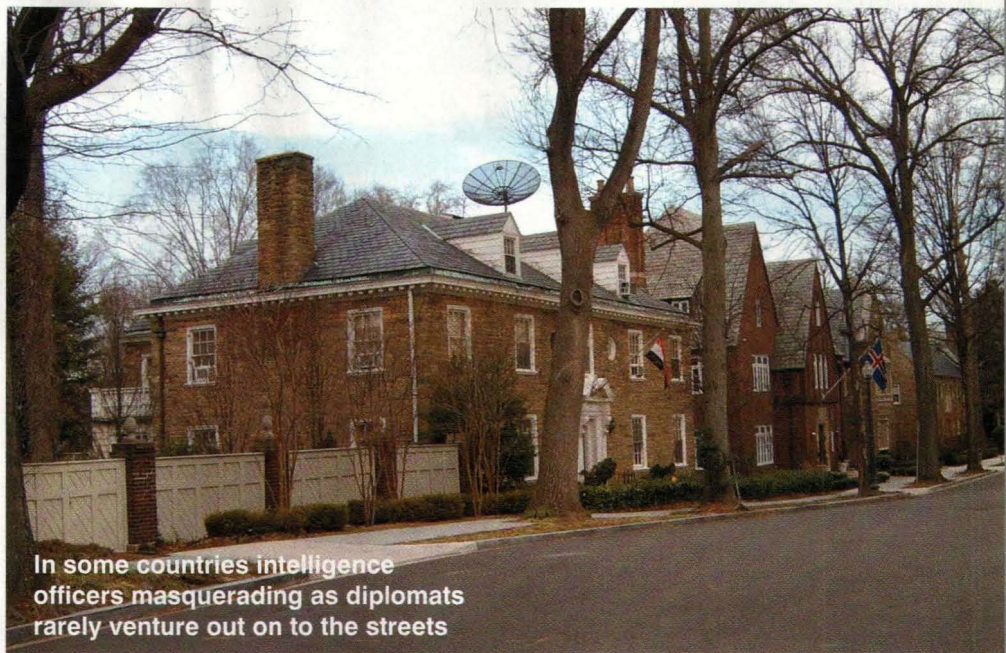
SION

ques

The French detective proclaimed: "Tomorrow the President will rekindle the Eternal Flame under the Arc de Triomphe." One man contemplating that moment sat quietly in a fourth-floor apartment close to the great Parisian monument. Assassin and Englishman 'Charles Calthrop' sipped coffee and smoked cigarettes as he prepared his disguise. Before him on his bed, a pair of scuffed shoes, grey woollen socks, trousers, an open-necked shirt, a long grey military overcoat, and a single row of French campaign medals. On top lay a forged passport and the black beret of war veteran Andre Martin - the real owner of the one-bedroom 'digs'. Elsewhere - two bottles of aftershave lotion containing grey hair-tint sat side-by-side on a bathroom shelf; a few sticks of cordite and powerful bullets had also been secreted inside a custom-built aluminium crutch that stood in the corner. Calthrop had thought of everything - including taking the advice of a master forger - chewing and digesting Cordite makes you feel sick; within about thirty minutes it causes the skin to turn grey, you begin to sweat and



Edward Fox as the Jackal



In some countries intelligence officers masquerading as diplomats rarely venture out on to the streets

generally look ill and older. The nausea doesn't last forever - but the results are dramatic.

Hours later Calthrop would hobble down a restricted street towards 154 Rue de Rennes - one leg tucked uncomfortably behind his back and hidden by the long coat. The police were not looking for a one-legged, grey-haired seventy-five-year old resistance war hero - they were seeking a dashing, well groomed blond-haired Briton. He had defeated a Europe-wide police hunt. His objective? To kill President Charles de Gaulle.

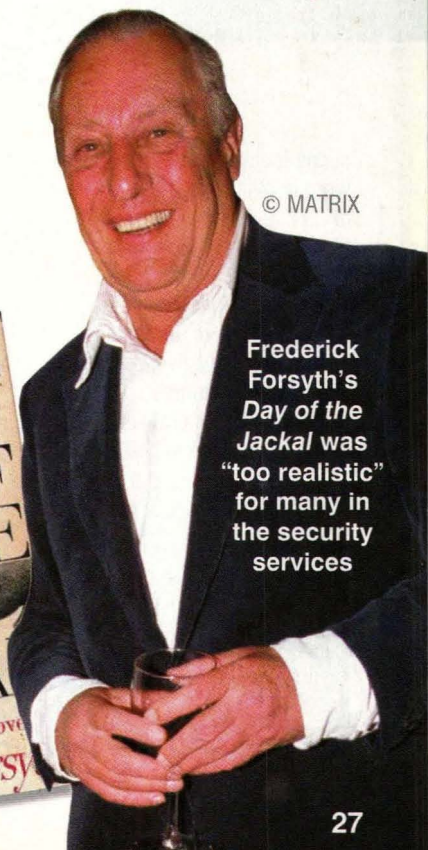
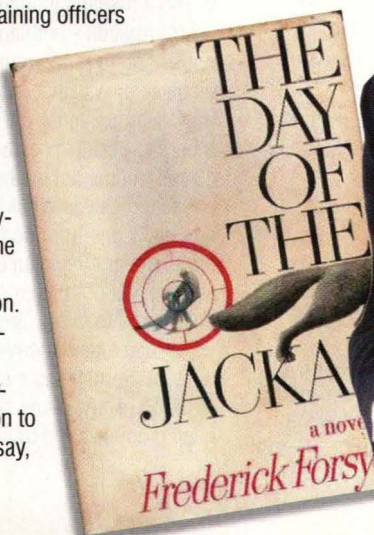
Frederick Forsyth's *'The Day of the Jackal'* not only seduced the intelligence world with its incredible attention to detail, it actually contained a plethora of disguise techniques - including genuine methods for obtaining a new passport and identity. More importantly, it showed that to truly change your appearance, several factors must come into play.

Having correct identification, a believable background, and at least some acting ability or steely nerve are important elements that together spawn one of the more unusual spycraft techniques. Hiding behind "another person" is not for the faint-hearted.

At intelligence centres like MI6's 'Fort', or the CIA's sprawling 'Farm', training officers do not rely solely on the creative ability of theatrical make-up artists to deceive. That's too simple and far too dangerous. Viewed from 20 yards away on a dimly-lit stage, it's no wonder the magic of the "make-up" artist can create an illusion. Utilising make-up for non-intended tasks can be difficult, and if done incorrectly, only draws attention to the wearer. That's not to say,

applied properly, make-up can't be used to good order. Sometimes a change of clothes is all that is required, or a good cover story.

Weeks before engaging in the art of manually applying or using facial disguises, trainees are taught much about themselves: how others perceive them and wider issues - some of them controversial. Operatives can find themselves working in so many diverse areas and countries that to try and create a rigid training programme is impossible. Shorts, dyed "peroxide blond" hair, splashing colours and white designer shoes might be okay for the



Frederick Forsyth's *Day of the Jackal* was "too realistic" for many in the security services

The primary elements of

• Acting • Behaviour • Voice

• Personality

• Cosmetics

• Accessories

• Identification

• Appearance

sunny footpaths of Miami, but attire like this worn in other countries may look odd. *'Dressing to Suit'* is a key phrase used by operatives involved in this type of work.

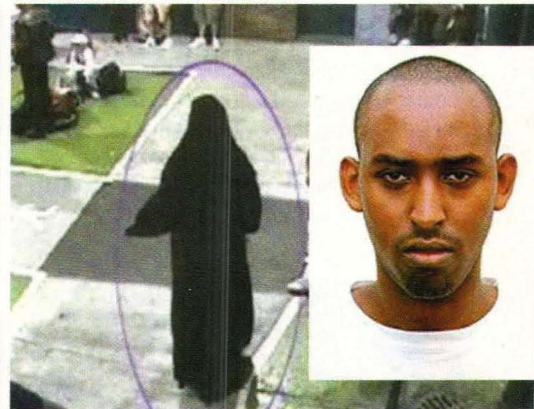
The primary concern of a training officer is to help manufacture an illusion - a set of skills that can be used by a field operative, undercover agent, a person intent on providing disinformation or involved in infiltration etc. It may also be used to help people flee a country,



Using a walking stick naturally alters the gait

cross a restricted zone, or work freely in areas that might be off limits to a security agency. There will be times during the career of an operative a physical disguise is needed to carry out an operation or task. The person may want to attend a meeting incognito, pass on disinformation - nothing better than allowing the opposition to photograph an agent wearing a disguise or walking with a distinct limp or bent back. Some agents will disguise themselves as others to perform certain tasks or gain access to places frequented by the real person. Others will pass themselves off as couriers - collecting mail and packages from companies under observance. Under suspicion by a foreign intelligence service, it's not unusual to find operatives asking colleagues to dress similarly and act like decoys while they attend a covert meeting or visit a contact. Sometimes a simple switch of coats will work. Similarly, many surveillance officers have been confused and tracked decoys.

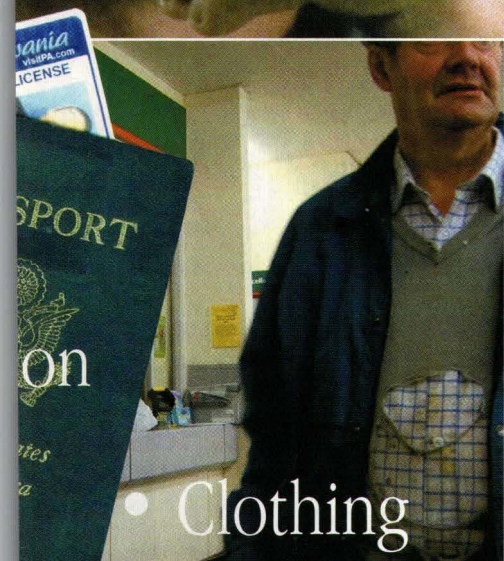
COURTESY SCOTLAND YARD



Disguise is not the sole domain of the intelligence services. Just ask failed 21/7 terrorist Yassin Omar, 26, from north London (above). He fled to Birmingham by coach, dressed in a long black burka - a garment that covers the face and body - and carrying a white handbag. His

Disguise:

• Cover story



• Clothing

disguise worked because it offered him total protection. The handbag was an excellent accessory.

Eye Spy has seen first-hand the results of British intelligence operatives using disguise techniques - indeed, the editor actually sat just three or four feet away from one such person - a person he had known well for a number of years. He failed to recognise him! There are a number of reasons why this happens - not least because people see what they want to see - or what they expect to see.

Quantifying this in a few pages is impossible, but changing one's physical appearance is not always the best way to hide in plain sight. Most people drive a car - it becomes an extension of that person. We've all said it from time to time "isn't that so-and-so's car?" We're surprised when we see a stranger at the wheel. Perception

can be affected by our immediate surroundings and situations. For example: a car thief driving a stolen vehicle may confuse a white car with a roof-rack for a police car. His mind - fearful of arrest - expects any moment the police to appear. So too a speeding driver. The eyes sometimes see what the brain expects to see - not what is actually there! A shoplifter just yards away from an exit and 'freedom' will convince him/herself that a nearby member of the public reading a newspaper is an undercover security guard and that they will be stopped. Seeing a group of men carrying spades and pickaxes wearing fluorescent jackets and hardhats is not unusual and does not present a threat - we automatically assume they are workmen. Remove their jackets and hardhats, shave their heads and they could be viewed as a gang of skinheads. The situation has changed. A vagrant dressed in shabby ill-fitting clothes stands on a street corner sipping a bottle of cider. Most people would probably cross the road and avoid him. Walk down a different street and past a wine bar - few people would be unnerved and avoid well-dressed smart drinkers enjoying a lager. The truth is, the vagrant is probably less of a threat and more friendly than the folk at the wine bar - it's just how people perceive things. Those who work in the disguise industry have long used such human behaviour and our perception of life to augment covert actions.

A more recent example of "seeing what you expect to see" - or "want to see" concerns the well-publicised disappearance of British youngster Madeleine McCann. While holidaying in Morocco a tourist familiar with the case spotted a local woman carrying a "blond-haired" youngster. Absolutely convinced it was the missing Madeleine she photographed the scene. The photographer's mind "expected to see" Madeleine. Only now, is she questioning what her eyes saw. It is an absolutely natural human mental reaction and is used in the world of disguise techniques.

GROUP ASSOCIATION

Initial disguise training briefs focus on behaviour. Behaving like a member of a "target group", for example, might not necessarily gain you access, and it would be dangerous to assume that just because the operative dresses, talks, and mimics the actions of those in the group, safety is assured. Perhaps more important is having the ability to understand, read, and predict the actions of the group. Sometimes being unique and having charisma is a better form of illusion. If the operative is just too "mirror-like" to other members, suspicion may be aroused. Carrying an "edge" an "attitude" or being "subtle" and "opinionated" can work the illusion. If the operative is charged with a single target, then the lifestyle of the said person often determines and dictates what sort of approach should be made. This scenario relates to infiltration, but can be applied to a whole host of circumstances. It's a

THE IDENTITY MAN



Abbas Boutrab - CIA code-name 'The Identity Man' - was a skilled forger who used numerous identities and disguises to outwit the authorities. The al-Qaida operative was eventually detained in the UK. No-one really knows how many identities Boutrab used - the FBI are still unsure who he really is.

(see Eye Spy 38 for full story).

method increasingly employed by undercover operatives. MI5, for example, have a large pool of agents and officers who can be called upon for various tasks. Recruiters and senior managers will carefully select the right individual and "dress" him or her accordingly - especially if the operation is covert. The rule here is don't let appearances fool you.

Some trainers believe that if an operative opts to use a disguise to mask their identity, then it is better to be adventurous, rather than add just the odd sweater to increase body volume or wear a wig under a hat. Other experts in this field believe that wearing too much make-up can actually make the person stand out more and betray instantly what they are trying to achieve. The truth lies somewhere in the middle. Changing one's physical features must be done in conjunction with elements found on the disguise techniques list (main photograph).

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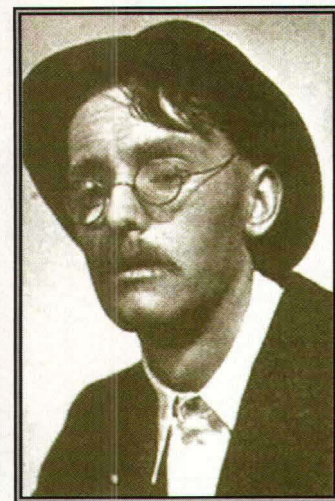
A haza minden előtt!

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SOE photographs showing use of disguise. In this case the subject has added a little shading to make the skin more rugged, perhaps allowing one or two days of facial hair to grow. Accessories include a false moustache and glasses. The subject has also swept his hair in the opposite direction and allowed it to drop on his forehead. The photo also suggests he has increased the width of his eyebrows. By wearing no tie, angling his hat slightly upwards and increasing the lines on his forehead by changing his expression, the subject on the right looks slightly unkempt and older.

Using clothing, headwear, jewellery, body markings and tribe association has been used to deceive for thousands of years. It's as old as the 'disguise trade' itself. There are so many examples littered throughout history that researchers could fill several volumes, from German troops dressing up as US GI's in the 'Battle of the Bulge' (1944), to SOE agents having their appearance brilliantly adapted.

SOE and OSS (Office of Strategic Services) agents often carried a small travel case containing a variety of items, most of which were used to create disguises (sometimes in a hurry!). Items included cotton buds, for applying make-up, spirit glue and false moustaches, a sturdy inner heel for altering the gait of a person, tweezers, trimming scissors, comb, mixing dish for preparing make-up, a dyeing brush for changing hair or eye-brow colour, a tube of cold cream for removing make-up, and of course - a mirror. Other items



COURTESY BOWMANVILLE MUSEUM VIA LYNN HODGSON

This superb WWII British POW dummy was almost certainly used as a decoy counting tool to confuse German guards during role call

INSIGHT: DR HUGH DALTON

SPECIAL OPERATIONS EXECUTIVE

The Special Operations Executive was effectively created by Winston Churchill on 16 July 1940. Dr. Hugh Dalton, the Minister of Economic Warfare, was put in charge of the SOE with a brief to organise and carry out acts of sabotage in occupied Europe. However, the SOE's genesis can be traced back to a meeting on 1 July, when the government appointed a "controller" with sweeping powers. There were three sections: SO1 - propaganda; SO2 - active operations and SO3 - a short lived administration department.



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"start off Mr average and change into Mr nondescript"

such as soot could be applied to the teeth to darken the enamel. Used in conjunction with false glasses, a scarf, headwear and even the odd false mole, a 'different' person could emerge in minutes. Given more time, the illusion would be even better - with the application of additional different shades of cosmetics and even bushy eyebrows. Some operatives even carried identify cards complete with photographs of the wearer and his "managed disguise". Dressing up or dressing down, in this case, was fairly easy, and could be conducted in most locations.

INVISIBILITY

It's strange but true, British military personnel are taught fairly early in their career that "eye contact" is essential in establishing a rapport and trust with foreign locals, other servicemen from overseas etc. On the other hand, eye contact in covert surveillance or undercover work is to be avoided - especially in close-contact moments. It is possible to monitor someone, especially on foot, without actually looking directly at the target. Even if you are walking a distance away. The reason why eye-contact (or the lack of it in this case) is important, lies with the uncanny feeling that we all experience at least once in our lifetime - that of being watched or starred at. Operatives in the intelligence world are reminded that people very rarely notice you if you do not attract attention. Staring at an aggressive drunk in a bar, for example, is not advisable. Nor is leaning on a wall turning your head one way and then shifting your eyes in the other direction as a gang of yobs pass. In a surveillance environment, continuous eye-contact may blow your cover. At the very least it attracts attention and suspicion. One expert said "people respond to stimulus - not a lack of it". Another - "start off Mr average and change into Mr nondescript". Excellent advice.

Confidence also plays a huge part of being invisible. Furtive behaviour, incorrect dress, walking too fast or too slow, eye contact, talking too loud, changing direction too often, carrying a

stylish bag, wearing distinct clothing, bright shoes, coloured hats, all of these could betray someone intent on invisibility. Acting normally is part of the key to invisibility. Combined with other factors and correctly actioned, a person

has a far better chance to remain anonymous. Acting - using your head and eyes only - is a primary disguise technique.

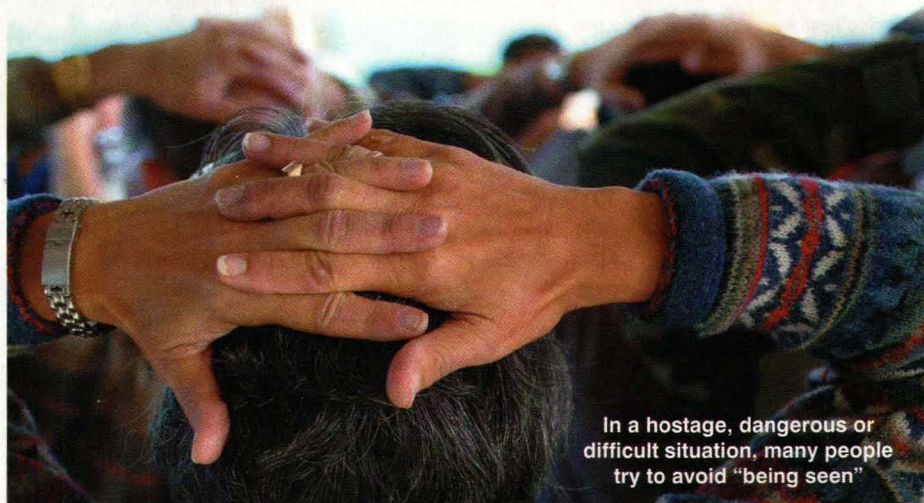
THE SMOKING GUN

Human beings have an in-built defence mechanism to create invisibility. We all have encountered a frightening situation which becomes threatening, or an incident we would rather not get involved with. A violent fight involving two strangers at a taxi rank or a cafe bar, for example. How many of us have looked the other away, perhaps shirking a greater responsibility whereby we know one of the parties is innocent? It does take somebody very special to get involved and help. Nowhere is this strange inherent defence mode played out more than in a large scale hostage situation. No-one wants to

Continued on page 72



A US Secret Service officer purposely makes eye contact with the crowds at Downing Street. It is a 'challenging' glance. In an undercover operation such eye contact would be kept to minimum as a stare such as this would be very noticeable. Inset - eye contact in this case has alerted the woman on the left.



In a hostage, dangerous or difficult situation, many people try to avoid "being seen"

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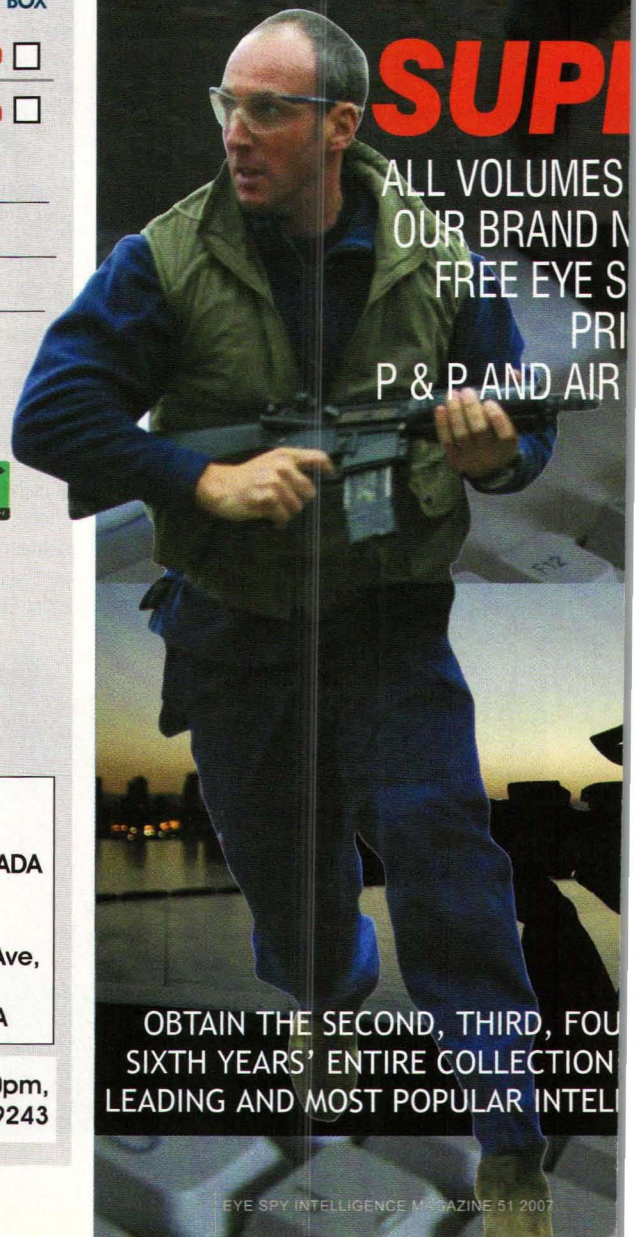
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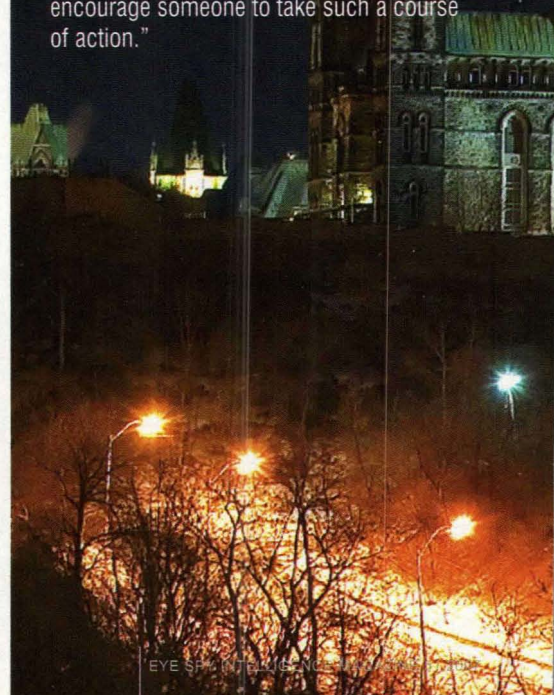
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Lured by 'GUY FAW'

A Briton thought to have been enticed into joining al-Qaida by a leading UK-based recruiter, has been found guilty of various terrorist offences. Mohammed Atif Siddique, 21, was accused of being part of an ambitious plot to help destroy Canada's Parliament building in Ontario, and establish terror training camps along the border with the United States.

Siddique, from Alva, Clackmannanshire, was stopped at Glasgow Airport on 5 April 2006, as he prepared to board a flight to Pakistan, amid fears he would "drop off" the Security Service radar. It is understood that MI5 had intelligence that linked him to the North American operation.

Maureen Brown, assistant chief constable of Central Scotland Police, said the verdict had sent out a clear message to people in Scotland who may support the al-Qaida cause. "We will not tolerate terrorism in any form, including the possession of materials which would be useful to someone wanting to commit an act of terrorism or to induce or encourage someone to take such a course of action."



y the WIKES GANG RECRUITER'

According to security sources, Siddique, a former computer student, had become "radicalised" by al-Qaida propaganda on the Internet. Many communications and messages came from a suspected recruiter. The man, who is known to MI5 and under observance, cannot be named for legal reasons. Sources say he used various Internet chat rooms to "twist" the minds of visitors. More importantly, he is suspected of passing on collected information to other al-Qaida operatives in the UK, Europe and North America. It is also understood, Canadian intelligence believe he is central to the "parliament plot" (see Eye Spy 41 - 'Canada's Guy Fawkes Gang').

The recruiter is apparently related to a central figure in the alleged Canadian suicide-bomb team.



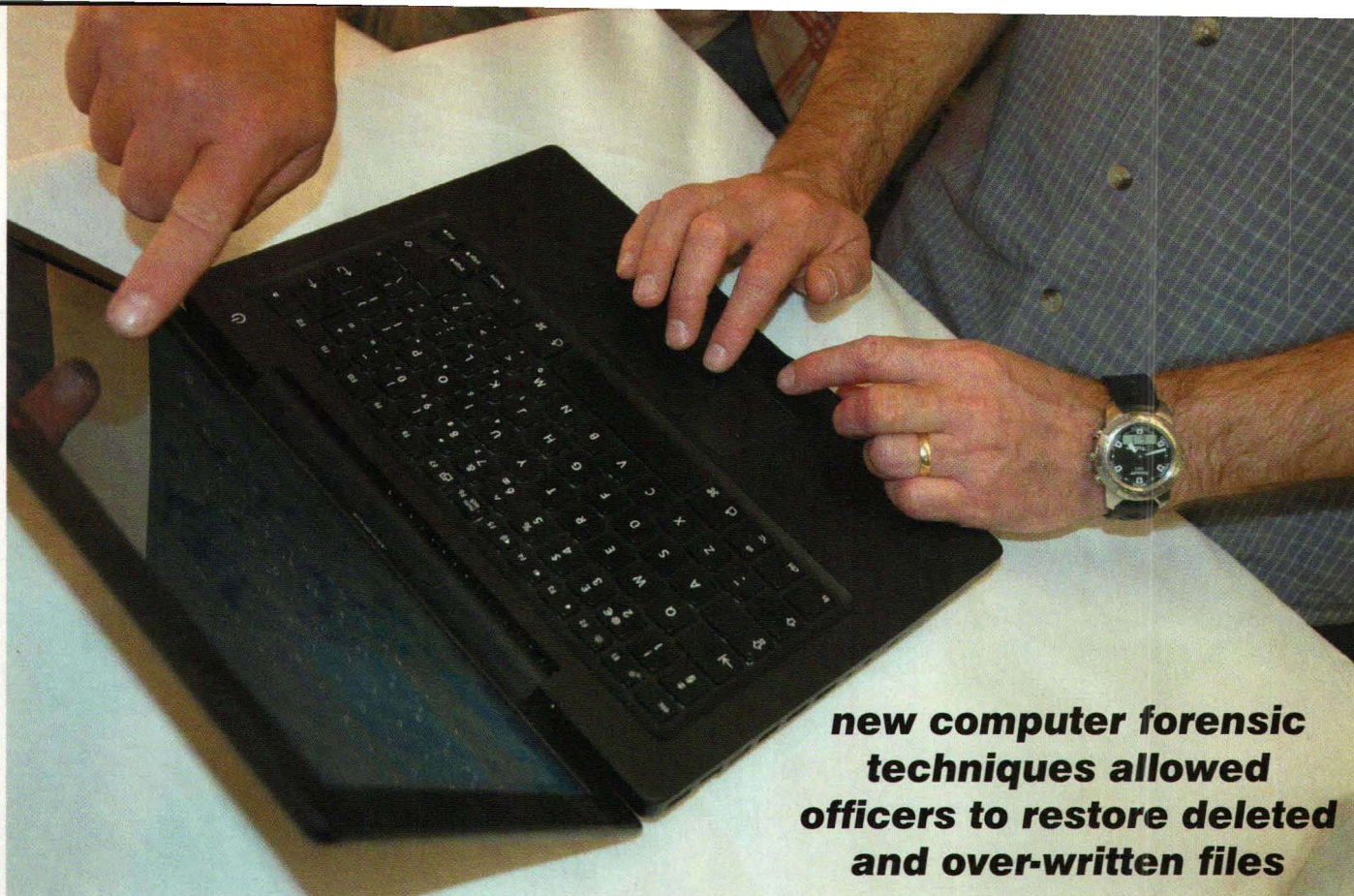
Canada has a significant military force in Afghanistan. The primary demand of the terror cell - once they had stormed the Parliament Building, was the removal of 2,300 troops forming Canada's NATO section.

Main photo shows the impressive parliament building. Above: NATO Secretary General, Jaap de Hoop Scheffer visiting the 22nd Royal Regiment at the Quebec citadel in June 2007. Jaap de Hoop Scheffer is seated signing the guestbook



Mohammed Atif Siddique

Briton convicted of a series of terrorist-related offences linked to plot to blow-up Canada's Parliament



new computer forensic techniques allowed officers to restore deleted and over-written files



Ammonium nitrate had been purchased by the gang through a sting operation carried out by undercover operatives from the Royal Canadian Mounted Police

The sleeper cell in Canada was caught after the Canadian Security and Intelligence Service (CSIS), was provided with a great deal of intelligence from the Echelon system. Analysts monitoring Internet traffic associated with al-Qaida, soon focused their attention on various chat rooms - including the one frequented by Siddique. Within weeks a Canadian-based terror gang had been exposed. CSIS surveilled the primary members and sought to identify others associated with the gang. After further



The court was shown al-Qaida bomb-making videos

investigation, the true ambition of al-Qaida became clear - its operatives would storm the Canadian Broadcast Centre and Parliament Building simultaneously. A series of truck bombs (ammonium nitrate) would kill hundreds of civilians in various shipping centres to mark the beginning of the assault. Ultimately, the gang intended to demand that Canada withdraw its force of 2,300 troops from Afghanistan, or it would behead Stephen Harper - Canada's Prime Minister. Twelve men and five teenage youths are in custody in connection with the alleged attacks. However, a spokesman for Central Scotland Police said there was "no evidence that Siddique was involved in an actual terrorist plot."

Following Siddique's arrest at Glasgow Airport, Special Branch officers took away his laptop computer. Computer forensic specialists from Central Scotland Police e-crimes unit assisted by specialists from the Scottish Crime and Drug Enforcement Agency uncovered hidden extremist material - and an al-Qaida recruiting video urging young Muslims to become suicide bombers. Much of the recovered material had been deleted, or over-written, but new techniques allowed officers to restore the files. Some of the files, though fragmented, were conversations with the "recruiter" and other users of the chat room. A week later Scottish security forces raided Siddiques family home. Hundreds of documents and the family computer was seized. A CD found hidden under a bedroom carpet was packed with "horrific images," associated with the terror group.

Siddique also set up websites with links to military techniques, weapons and how to conceal booby-traps. There were guides on bomb-making, and pointers to make even more deadly explosives, including one oil-based preparation said to be more powerful than TNT. The second site had features and information on guerrilla warfare, surveillance techniques and weapons.

Intelligence sources focused on the parliament plot, believe it is highly likely more 'peripheral players' will be questioned as CSIS and other services widen their searches.

Siddique's family, say their son is a quiet and bright student and "innocent."

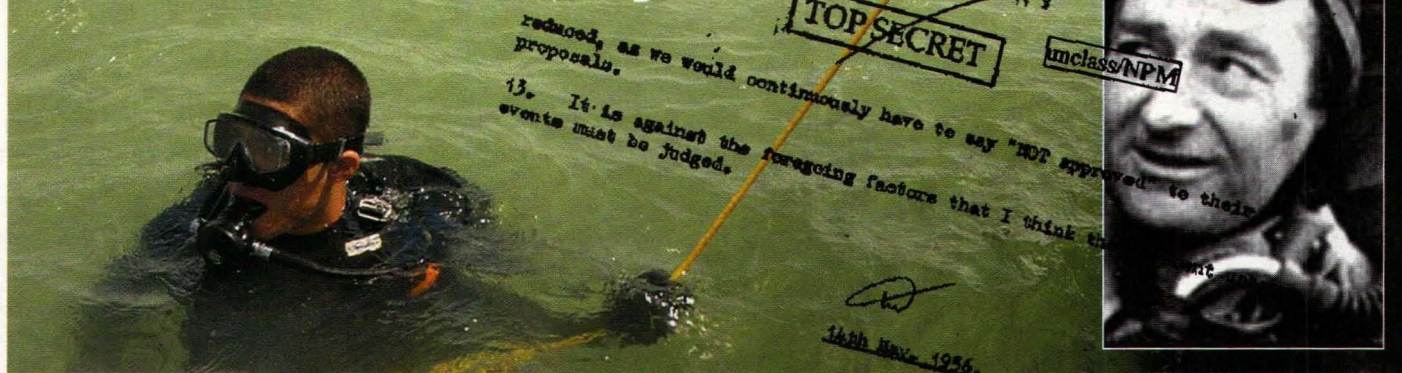
Siddique's conviction comes just three months after terrorists attacked Glasgow Airport.



Prime Minister Stephen Harper

The Crabb Affair

Top Secret MI6 Commander Crabb documents released by MOD



The truth behind a Royal Navy/MI6 spy operation against Russian warships in 1955 is a step nearer being solved. This follows the release of top secret intelligence files by the Ministry of Defence. Classified memorandums concerning a proposed television documentary in the 1970s and 1980s, make reference to a similar spy operation just six months before experienced diver and MI6 Commander, Lionel "Buster" Crabb went missing in Portsmouth. About 14 months after the incident, a headless body of a diver was found in the sea nearby. It was always rumoured this was Crabb, though a careful cover-up ensued

because Britain did not want to admit it had launched an intelligence operation against the Soviets - especially as Nikita Khrushchev was on board the ship that had been the focus of MI6's attention.

In 1972, Granada Television wanted to make a documentary about the affair, but its producers were told such a film would breach national security guidelines. In the mid-1980s, the company tried again - hoping to mark the 30th anniversary of Crabb's disappearance. Again Whitehall officials were reluctant. Part of one of the newly released papers says: "In this case, we would run the risk of confirming to the Soviet Union an event which they may still only suspect, and of thereby adding a further irritant to Anglo-Soviet relations."

An important diving facility was used to stage the operation - HMS Vernon. It is here the "unauthorised operation" was planned.



Buster Crabb

Another report dated 12 September 1985, states: "In addition to the 1956 operation carried out against the Soviet ships by Commander Lionel Crabb, a separate diving operation was planned by the Royal Navy." This was apparently cancelled.

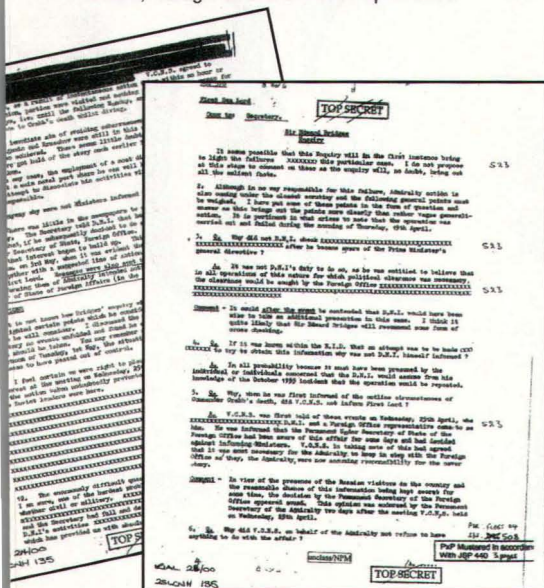
In 1981, an MOD file was sent to Downing Street. It contained a letter from a member of the diving team. "I was in charge of the naval operational team who successfully surveyed the undersides of the Russian ships at the time to ensure that all was either 'safe' or 'unsafe'. The Security Services, apart from alerting us to the need for this underwater survey operation, engaged Crabb on a separate mission which failed disastrously. This caused political chaos from the Prime Minister downwards.

"Rest assured that I have adhered to the confidentiality of this incident. There were others apart from myself who did the underwater work - I'm sure they too are loyal."

The note about Crabb being engaged by British Intelligence in an operation that "failed disastrously" is evidence enough that Whitehall knew what had happened to the diver.

As for the headless body? Who knows... perhaps further material may shed light on this most interesting spy drama.

• See Eye Spy 46 for background to the Buster Crabb case and additional intelligence files released by the National Archives.





D. Anne Kohl

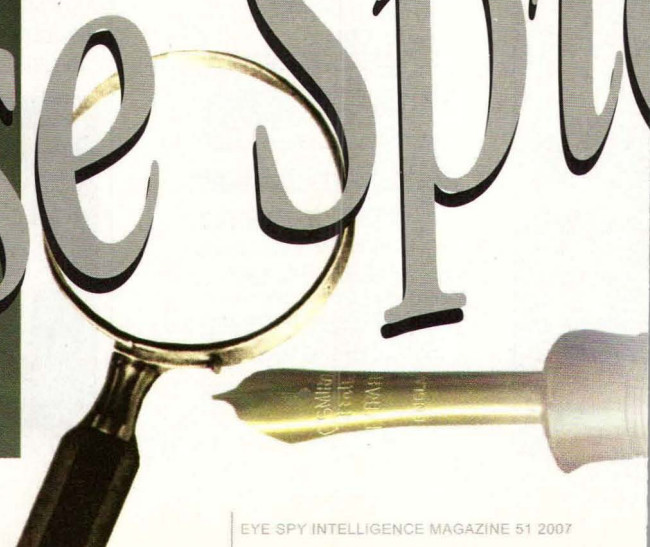
The rise of imperialism and sense of nationalism at the end of the nineteenth century increased feelings of insecurity and wariness of alien nations subverting the 'status quo'. Opposing military powers generated fears and paranoia and instilled in citizens a call to patriotism that led to some very unlikely spies and acts of bravery. These remarkable people; writers, actors, singers, athletes, photographers and others had imagination, analytic ability, and day to day diligence that were more than useful to intelligence agencies.

"Writers of thrillers gravitated to the Secret Service as surely as the mentally unstable become psychiatrists, or the impotent pornographers", wrote one-time MI6 man and media personality Malcolm Muggeridge in *The Infernal Grove*.

Celebrities from all walks of life have one thing in common - they travel - and because of this visas are rarely turned down. Opportunities also arise to meet important people - (dignitaries as they like to be known), see locations and generally access areas sometimes beyond the reach of authentic spooks (and definitely beyond mere mortals like you and me). What better way therefore, than to recruit people who can venture to places and do your spying for you. This is exactly what happened during decades of conflict in the 20th Century.

Many of these individuals led eventful lives and the daring-do of spying combined with an unfailing sense of patriotism led to some of the most unlikely and colourful spies. They got away with it because who would suspect a Hollywood actor, a famous sportsman etc. Eye Spy looks at the 'Surprise Spies' who plied a secondary trade for 'King and Country'...

Surprise Spies



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Fleming's '007' - inspired by secret spy school

Ian Fleming and Room 39

In 1939, Fleming was a 31-year-old lieutenant in Britain's Naval Intelligence Division, assigned to collect information on enemy shipping. When war broke out, his group was brought into covert activities outside its normal province. He found himself coordinating clandestine operations against Romanian oil refineries, sending operatives to sabotage barges on the Danube, and brainstorming ways to cut off German supplies into Sweden.



In his biography, *Ian Fleming: The Man Behind James Bond*, Andrew Lycet said "war proved his making." Fleming demonstrated a talent for imaginative schemes and impressed his superiors with a plan to acquire one of the German Navy's code books. His flair for the dramatic resulted in him being given free reign to find new ways to confuse, survey and enrage the Germans.

Indians", as he called them, were responsible for capturing an entire radar station in 1944 - with a 300-man garrison. It has been rumoured that the mission was the basis for the novel and movie *The Dirty Dozen*.

There are numerous unsubstantiated stories of his wartime accomplishments including meeting Admiral Canaris, head of the German Abwehr, and conning Rudolph Hess into flying into Scotland in 1941. The truth? Fleming was deskbound for most of the war. He observed hundreds of spies from his office, Room 39 of the Admiralty. It was from there that the competent, but frustrated staff officer probably gave fictional form to his desire to be a full-time secret agent.



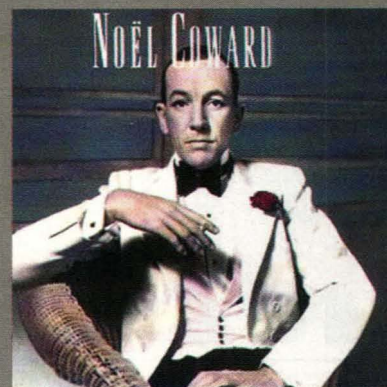
'Sinclair House' where Ian Fleming trained as an agent

Fleming did much of his training for secret service work at Canada's famous 'spy training school' - better known as Camp-X. Eye Spy's Canadian Editor Lynn Hodgson has catalogued his stay in the best-selling book - *Inside Camp-X*. There's little doubt that his time spent at the school helped stimulate his "spy mind" to come up with the legendary spook - James Bond!

Moe Berg: Catcher & Spy

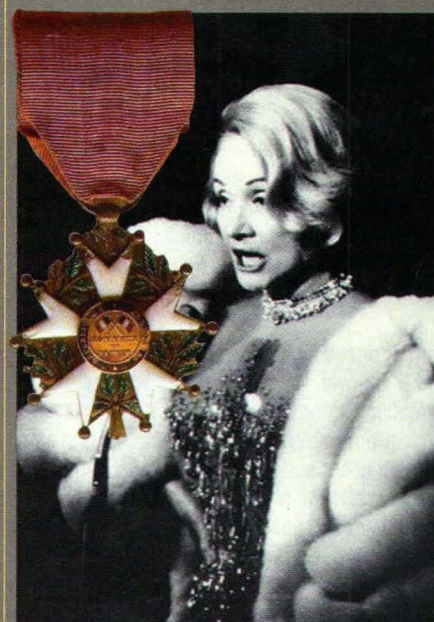
The son of Jewish immigrants, Moe Berg was an unlikely spy. A coach, and occasional catcher with the Boston Red Socks, Berg was a professional athlete cast as an "international man of mystery". With degrees from Princeton, Columbia Law School and Sorbonne, Berg could converse on any topic and was conversational in a dozen languages.

Noel Peirce Coward (1899 - 1973)

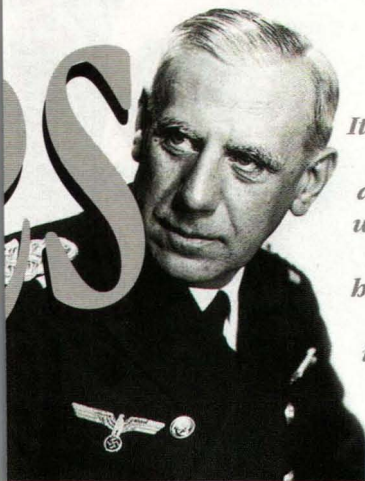


Recently released documents on the legendary English actor, playwright and songwriter reveal Coward was working in MI6 as early as 1938, probably in Section D where his friend William Stephenson worked. During the war he came under fire for what was seen as a glamorous and luxurious lifestyle and lack of contribution to the war effort, and was frustrated that he was unable to reveal the work he undertook for the secret service. He left the UK in the late 1950s to live in the Caribbean, largely for tax reasons. In 1970 he received a Knighthood for his contribution to the theatre. He was also a secret friend of Winston Churchill.

Marlene Dietrich (1901 -1992)



The fabled singer sang for the OSS (precursor to the CIA) in WWII as a part of psychological warfare against the Germans. Over the airwaves the OSS played translated sentimental songs such as "I'll Get By", "I Couldn't Sleep a Wink Last Night", and "Lil Marlene" which were intended to make the German troops feel homesick and depressed and were the entertainment part of the 'Soldatensender West' radio programme. Dietrich had turned her back on her native Germany as a youngster, and took American citizenship. After the war she received the medal of Freedom from America - the highest civilian honour, and France made her a Knight of the Legion of Honour (medal pictured).



It's rumoured Fleming actually met with Admiral Canaris - head of WWII German intelligence

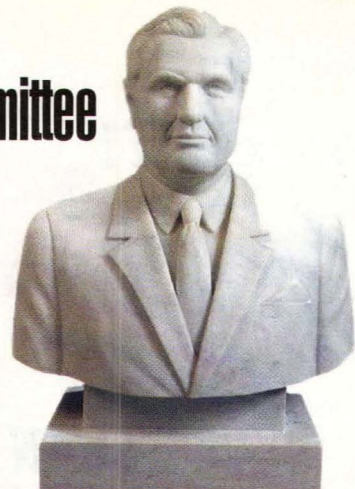
As a member of Assault Unit 30, a commando outfit that specialised in capturing equipment, documents, and ciphers in forward areas before they could be destroyed, he and his "Red

Nelson A Rockefeller (1908 - 1979) & The Forty Committee



A businessman, politician, statesman, art collector, and philanthropist - Nelson Aldrich Rockefeller moved in shadowy intelligence circles. One time governor of New York, and Vice-President of the United States, he was more than useful to the Allies and their WWII intelligence operations. After the war, he was later appointed Coordinator of Inter-American Affairs, an intelligence outfit masquerading as a cultural outreach organisation for Latin America.

His expertise was again used when he served as special assistant to the president for "Cold War Strategy", and headed the secret 'Forty Committee', a group of high-ranking government officials who were charged with overseeing the CIA's clandestine operations.

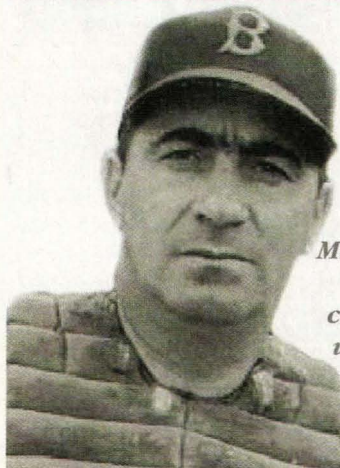


In 1934, five years before he retired as a player, Berg made his second trip to Japan as part of a travelling major league All-Star team. Berg, who spoke Japanese, took home movies of the Tokyo skyline that were ultimately used in the planning of General Jimmy Doolittle's 1942 bombing raids on the Japanese capital.

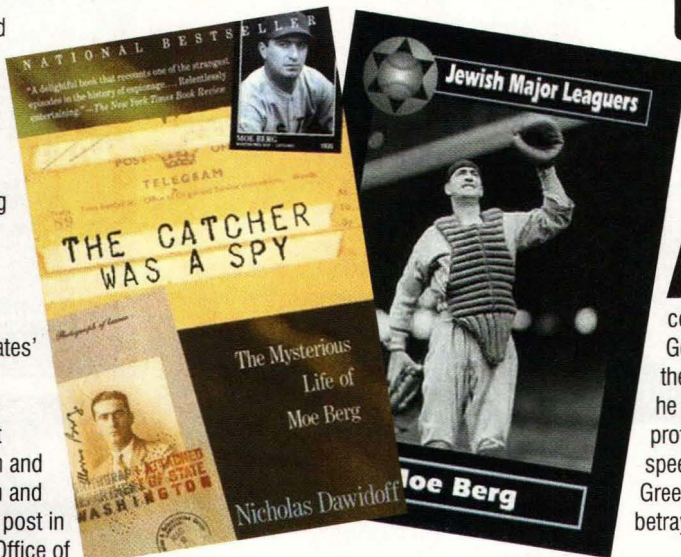
Just after the start of the United States' entry into World War II, Nelson Rockefeller gave him a job with the Office of Inter-American Affairs that allowed him to travel through South and Central America studying the health and fitness of the population. From that post in 1943, he became an officer in the Office of Strategic Services (OSS), the forerunner of the CIA.

Berg, according to one biography, was prone to blunders: getting caught trying to infiltrate an aircraft factory during his training, dropping his gun into a fellow passenger's lap, and being recognised by wearing his OSS - issued watch.

Berg's most valuable contribution came near the end of the war. US officials were worried that a retreating Germany could turn the tables if their nuclear programme became viable. Posing as a Swiss student and armed with a pistol and cyanide capsule, his mission was to analyse Heisenberg's speech and determine just how close the Nazis were to building the atomic bomb. He was authorised to assassinate



Moe Berg -
have
camera -
will spy!



Heisenberg and if captured to take the cyanide pill. As it turned out, the Germans weren't that close - but Berg provided the first substantial accounts of what the Germans were doing and thinking at the time.

Another exploit came at the end of the war, when, while travelling through Soviet-occupied Czechoslovakia with some other agents, he produced a letter with a big red star on it when asked for credentials. The Americans lacked any authorisation - what Berg showed the Soviet soldiers was a copy of the Texaco Oil Co. letterhead. Strange but absolutely true!

Sadly - the last 25 years of his life were spent as a vagabond - but maybe that's just exactly what he wanted. A bachelor, he often freeloaded off friends and relatives, who once sent him eviction notices to get him out of the house. He never learned to drive, owned a house or rented an apartment, and he never held down another job after leaving the OSS.

In 1960, out of financial necessity, he was prepared to break his lifelong silence about his supposed exploits and agreed to write a book.

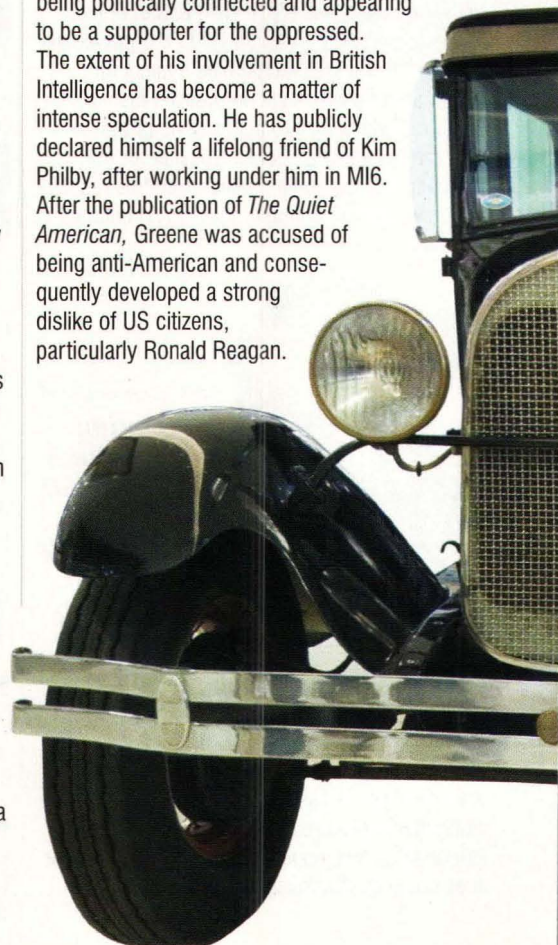
The project collapsed when the editor glowingly praised the prospective author's movies on the mistaken assumption that he was about to sign a contract with Moe of The Three Stooges.

Moe Berg (1902-1972)

Graham Greene - the Veteran Spook

At the beginning of World War II, Graham Greene was the author of several bestsellers, and a veteran spook. In the early 1920s he travelled the Rhine region on a commission for the Germans and wrote pro-German propaganda. He also agreed to do the same for the French. Throughout his life he showed an appetite for duplicity in both his professional and personal dealings. In his speech in 1969, "The Virtue of Disloyalty", Greene hinted at his dedication to deception, betrayal and subversion.

Although Greene always declared himself to be apolitical as a writer, he nonetheless enjoyed being politically connected and appearing to be a supporter for the oppressed. The extent of his involvement in British Intelligence has become a matter of intense speculation. He has publicly declared himself a lifelong friend of Kim Philby, after working under him in MI6. After the publication of *The Quiet American*, Greene was accused of being anti-American and consequently developed a strong dislike of US citizens, particularly Ronald Reagan.



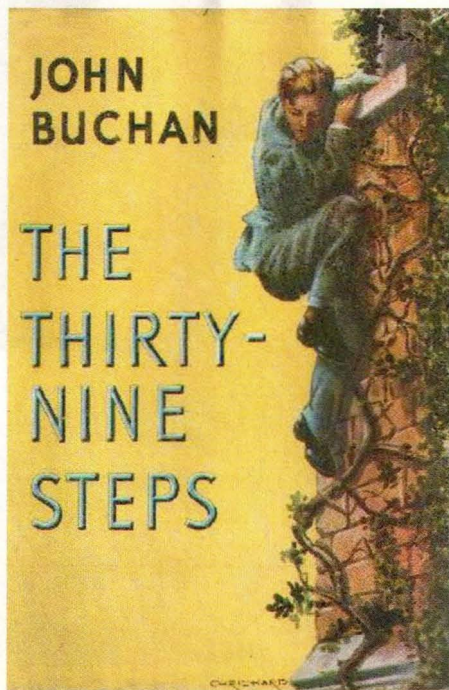


Greene (left) and British traitor
Kim Philby

He began to delve into Central American politics, associating with people such as Fidel Castro and Manuel Noriega. Reporting from Eastern Europe, Vietnam, Cuba and other hot-spots, he traded on his fame to meet high-profile figures such as Ho Chi Minh. His friendship with Panamanian dictator General Omar Torrijos led him to write *Getting to Know the General*. (1904-1991)

John Buchan - the Spy Who Wrote Me

Scottish author John Buchan wrote the classic book *Thirty Nine Steps* - a spy thriller set just before the outbreak of World War I. It's a short, fast-paced adventure story, and introduces Buchan's best-loved hero, Richard Hannay, a South-African mining engineer who quickly becomes involved in protecting British interests against incursions from German spies in the months preceding the outbreak of war. The book



begins with the murder of the American secret agent, Franklin P. Scudder, who has uncovered an espionage plot. His cryptic notes then fall into the hands of the unsuspecting Hannay, who must clear his name of the suspected murder of Scudder whilst disarming the German spies before they leave Britain, armed with secret government information, from their hideaway at the mysterious 'thirty-nine steps'.

Buchan also wrote *The power House*, *Greenmantle* and *Mr Steadfast*. During World War I, he joined the Intelligence Corp and wrote for Britain's War Propaganda Bureau. He also doubled as a correspondent for *The Times* in France. In 1935 he became governor general of Canada but still conspired behind the intelligence scenes. John Buchan (1875-1940)



Buchan in uniform as The Rt Hon.
The Lord Tweedsmuir - 15th Governor
General of Canada

Eugene Fodor - Tourists & The OSS Spies Cafe

Eugene Fodor pioneered the concept of the modern guidebook in 1936, when he created a new travel guide that people found more inspiring than the existing collections of facts and figures other guidebooks offered. He wrote *On the Continent - The Entertaining Travel Annual*, a guide to Europe which made three important innovations: it went beyond reporting on the sights and for the first time included information about Europe's culture and people. Second, Fodor included practical information for the modern traveller, such as what size tip to leave at a Viennese café. Third, *On the Continent* was an annual guide, so that Fodor's readers would have the most current information.



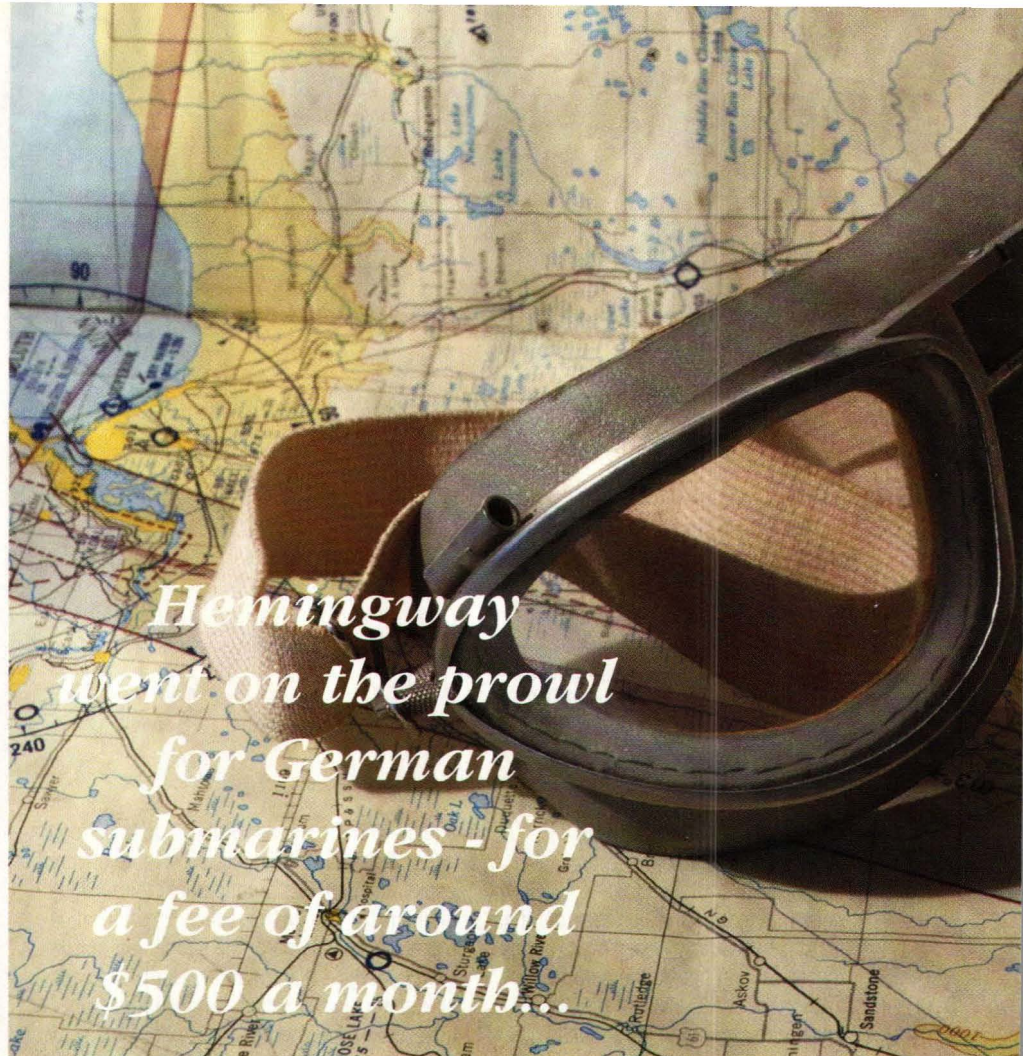
William Donovan - head of the
Office of Strategic Services

The Hungarian-born American travel writer joined the US Army in WWII and shortly thereafter moved to William Donovan's OSS with the rank of lieutenant. Fodor subsequently allowed CIA agents to cover themselves in foreign countries by writing his travel guides. There was, however, a caveat. The agents could only use this cover as long as they did "top quality work" and didn't allow politics to enter into the guides.

Today, Fodor has 700 writers who contribute to its huge range of 300 tourist and travel guide books. Eugene Fodor (1905-1991)



Ernest Hemingway & His Cuban-Based 'Gang'

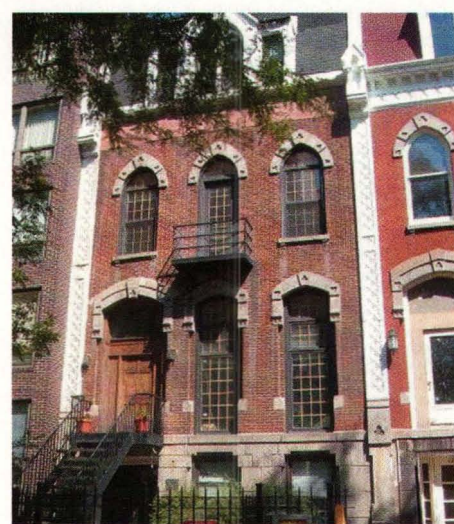


Documents released under the Freedom of Information Act (FOIA), show that Ernest Hemingway, American novelist and short-story writer, was semi-hired to spy on "unspecified insurgents" in Havana, Cuba, and paid with "special funds" by the US Government. In 1942, the vigorously anti-Fascist Hemingway organised his own small spy-ring to watch out for Nazi-sympathizers in Cuba. Hemingway, regarded as one of the world's greatest writers, did have some previous spying experience in the Far East in 1941.

Called the *Crook Factory*, by those in the know - his Cuban-based group was composed mainly of

Hemingway's drinking circle, which was quite extensive, as well as a few professional operatives. Hemingway, actually called his team - the 'Crime Shop' - though we don't know why. He bought a 38-foot fishing boat and named it *Pilar*. After clearance from the State Department, he outfitted the vessel for anti-submarine operations. With a brace of .50-calibre machine guns and a handful of grenades (painted to look like eggs), a bazooka, rifles and homemade bombs, Hemingway went on the prowl for German submarines - his fee around \$500 a month. The US Government justified the scheme because German submarines, in early 1942, were sinking dozens of ships in the Florida Straits, and civilian spotters were already being widely used by the Navy to try and locate them.

Eventually, though, it became clear that neither Hemingway's spy network nor his sub patrols



Hemingway lived in this apartment in Chicago 1922

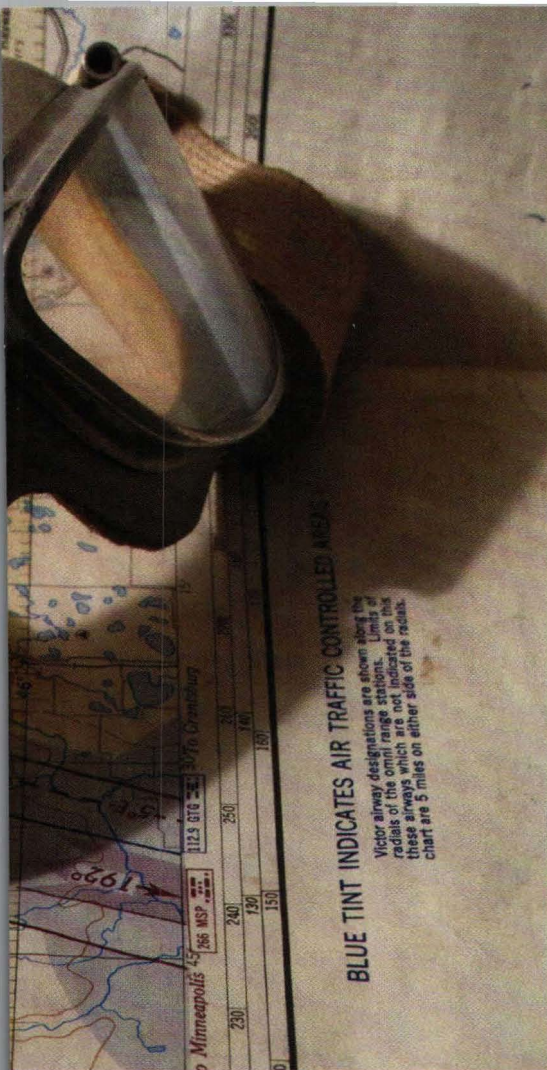


Somerset Maugham - "Too Close For Comfort"

W. Somerset Maugham (left) created the modern spy fiction - but his 1928 book - *Ashendon* was too "close to reality" and based on real-life experiences. Churchill was fuming and told him its content "violated the Official Secrets Act." Some stories were torn from the manuscript and hastily thrown into a coal fire!

When WWI broke out, Maugham had volunteered as an ambulance driver and then as an interpreter. He later joined the intelligence service and was sent to Russia to help support the tottering government against the Bolsheviks. The main character in *Ashendon*, was code-named 'Somerville', which was his actual 'non de guerre' in Russia. When the fictional character in the book was asked to give his address, 'Somerville' answered "Chesterfield Street, Mayfair, London" - Maugham's real address!

Maugham's influence on spy writers should not be underestimated. John Le Carre said: "Maugham was the first person to write anything about espionage in a mood of disenchantment and prosaic reality." Somerset Maugham (1874-1965)



Josephine Baker & Her Invisible Ink

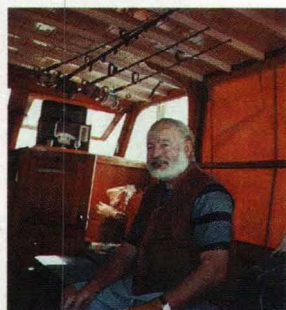
During World War II, African-American entertainer Josephine Baker helped the French Resistance by smuggling secret information written in invisible ink on her sheet music. Travelling around Europe and the Middle East entertaining the troops, she never failed to bring back some scrap of intelligence. She pinned photographs of German installations to her under garments, and sidled through military checkpoints with prized transit visas for friends, including Spanish Moroccan passports for Jews from Eastern Europe to get them safely to Latin America.

She became a citizen of France and pledged her life to her adopted country. She enthusiastically accepted every assignment and, after the war, General Charles de Gaulle gave Baker the *Croix de Guerre* and the *Medal of the Resistance*.

In 1951 in the United States, Josephine Baker was refused service at the famous Stork Club in New York City. Yelling at columnist Walter Winchell, another patron of the club, for not coming to her assistance. She, in turn, was accused by Winchell of communist and fascist sympathies. Never as popular in the US as in Europe, she found herself fighting the rumours begun by Winchell as well.

Josephine Baker responded by crusading for racial equality, refusing to entertain in any club or theatre that was not integrated, and thereby breaking the colour bar at many establishments. In 1963, she spoke at the *March on Washington* at the side of Martin Luther King, jr.

Josephine Baker's "World Village" fell apart in the 1950s and in 1969 she was evicted from her

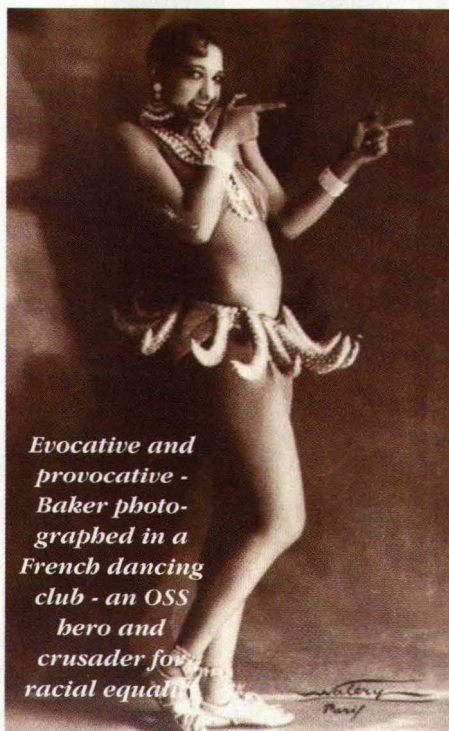


Hemingway aboard the Pilar in the mid-1950s

had produced much in the way of intelligence. He quit the "Cuban spy business" after only a year, insisting the job needed "a real pro". His efforts did have an impact. After Hemingway, amateurs were no longer used in important intelligence operations. FBI boss J. Edgar Hoover had actually called a halt to proceedings in April 1944, after agents complained the Bureau was simply funding "noisy parties" which followed each sailing trip!

It later transpired that even before America joined the fight against the Nazis, Hemingway had travelled to Spain in 1937 to report on the Spanish Civil War for the North American Newspaper Alliance. This suggested he already had threads to the intelligence world.

Though out of the spy game, Hemingway did have the last laugh. He used his Cuban adventure as background research to his 1953 book - *The Old Man and the Sea* - which won him the Pulitzer Prize. A year later received the Nobel Prize in Literature. Sadly, in 1961, he shot himself. Ernest Hemingway (1899-1961)



Evocative and provocative - Baker photographed in a French dancing club - an OSS hero and crusader for racial equality

Julia Child (1912-2004)



Decades before becoming a famous chef, Julia Child worked for the Office of Strategic Services. She was assigned to solve a problem for the US naval forces during World War II: Sharks would bump into explosives that were placed underwater, setting them off and alerting the German U-boats they intended to sink. So... Julia Child and a few of her male compatriots got together and literally cooked up a shark repellent that was used to coat the explosives.

chateau which was then auctioned off to pay debts. But there is a happy ending. Princess Grace of Monaco gave her a villa. In 1973 Baker married an American, Robert Brady, and began her stage comeback.

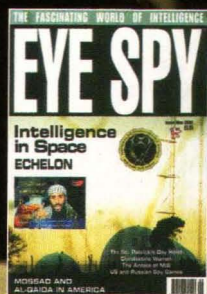
In 1975, Josephine Baker's Carnegie Hall comeback performance was a success, as was her subsequent Paris performance.

Ernest Cuneo & Thunderball

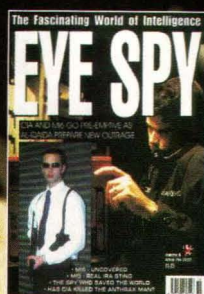


Ernest Cuneo was a US NFL football player, lawyer, business owner, intelligence officer, journalist, and author. He was also Assistant to New York's Mayor LaGuardia. Cuneo wrote *Life with Fiorello* - the basis for the Broadway musical *Fiorello*.

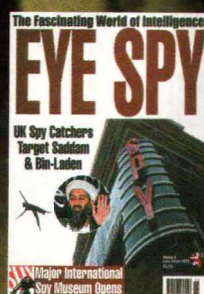
Cuneo was Liaison during WWII that tied together British Security Coordination, with the White House, the Treasury, FBI, OSS and the Justice Department. As a life-long friend of Ian Fleming, he wrote the first draft of a short story that would ultimately become the James Bond movie and book *Thunderball*.



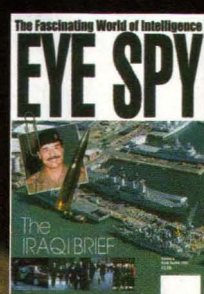
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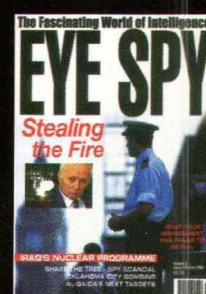
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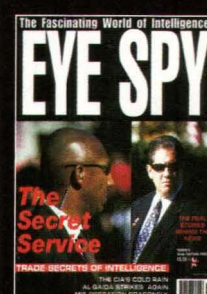
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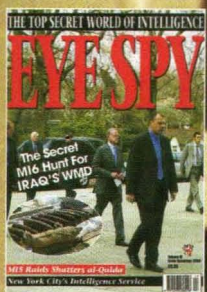
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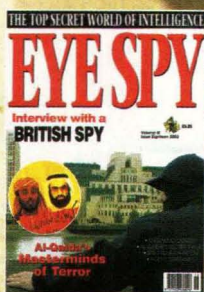
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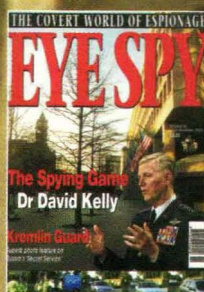
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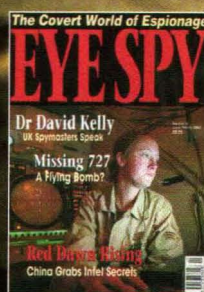
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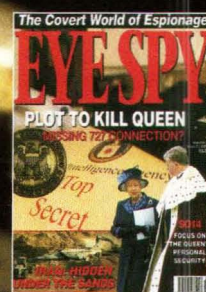
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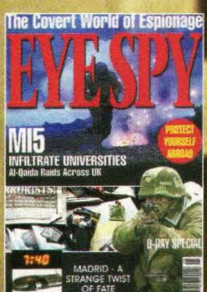
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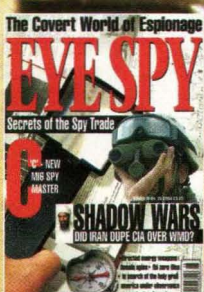
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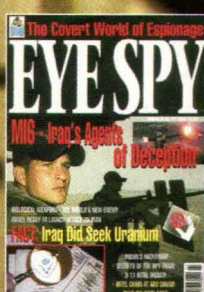
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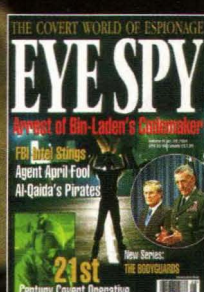
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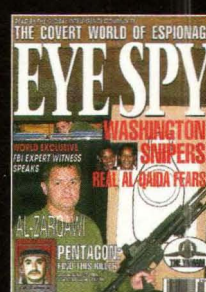
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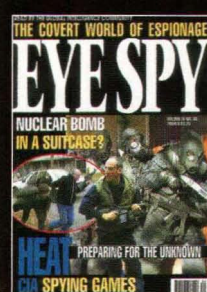
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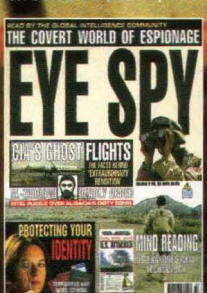
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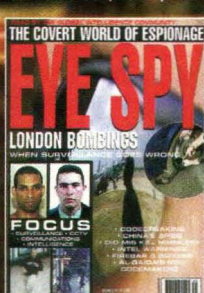
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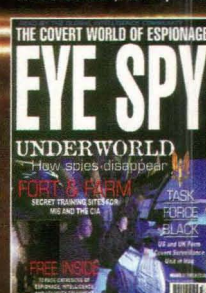
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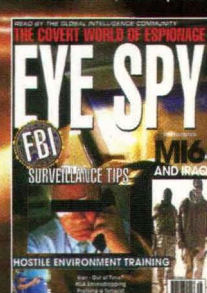
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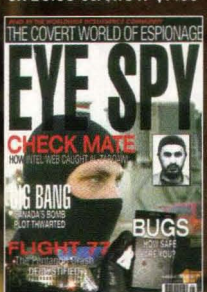
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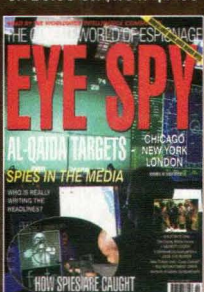
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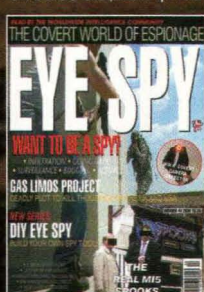
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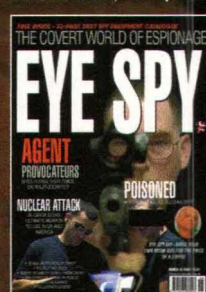
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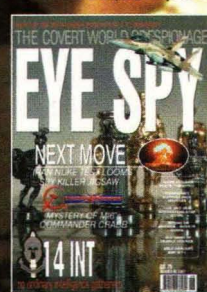
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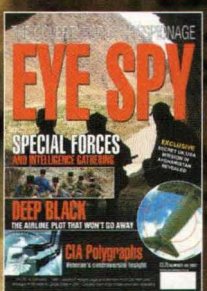
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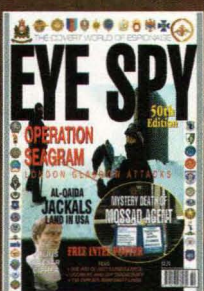
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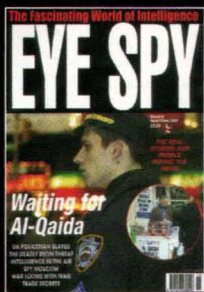
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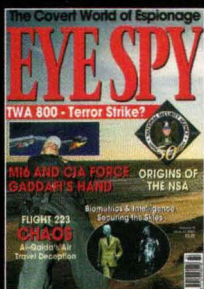
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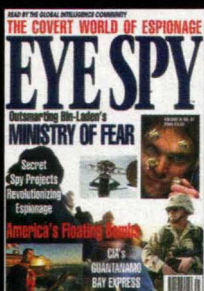
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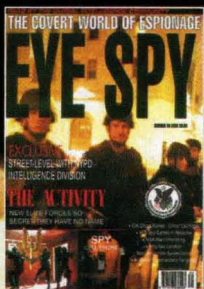
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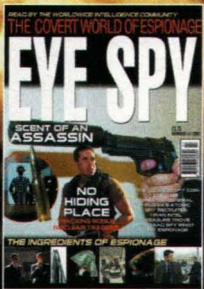
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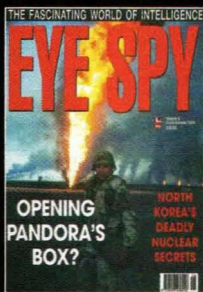
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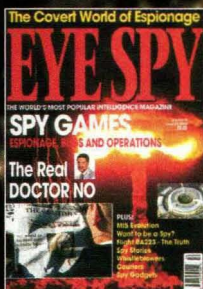
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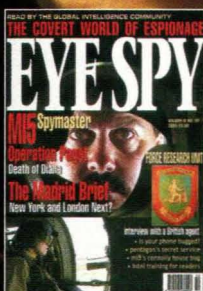
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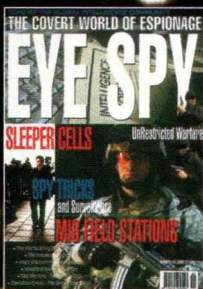
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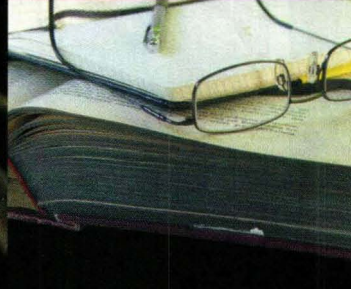
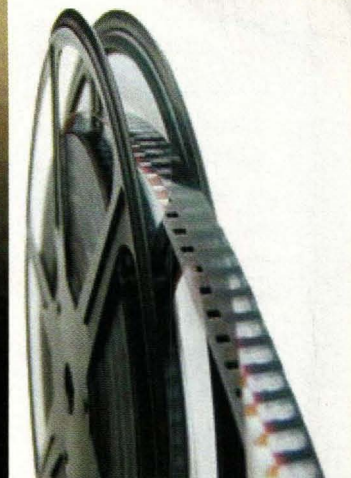
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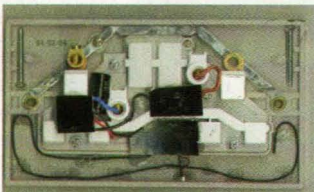


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Showing size comparison



12-channel UHF receiver

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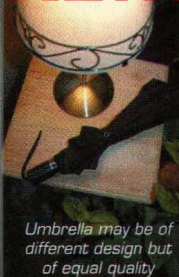
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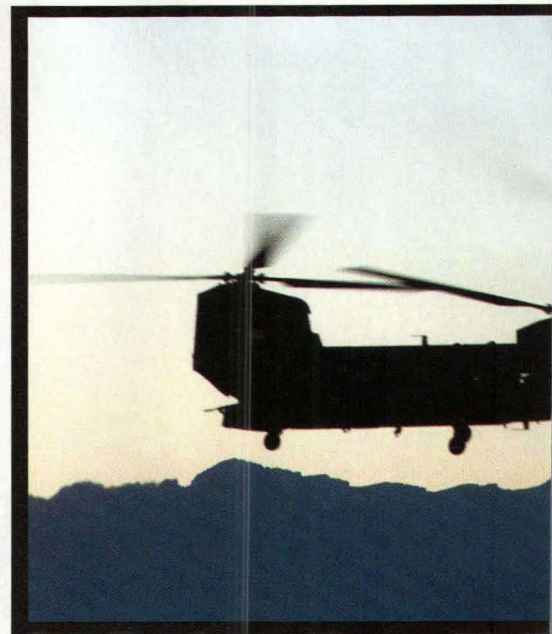
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nuclear materials smuggled into
Syria from North Korea

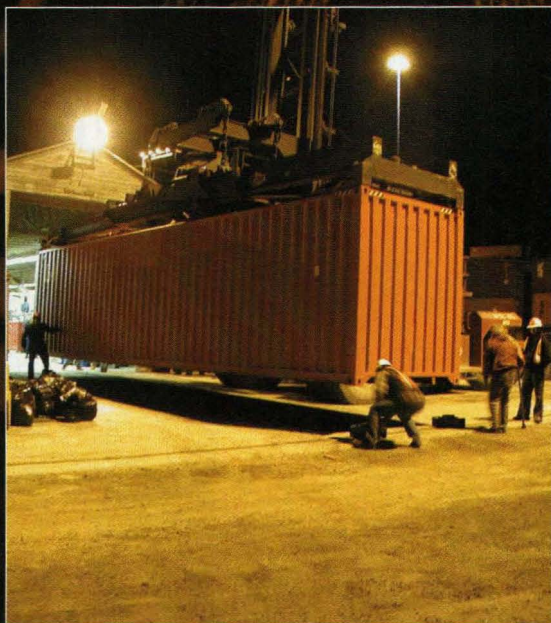
New Israeli spy satellites track nuclear cargo to
'front' factory used for alleged uranium production

Rumours abound that Mossad may well have had an agent aboard the cargo ship or monitoring its arrival in the Syrian port



Intelligence from Mossad agents and spy satellites monitoring a suspicious cargo vessel, sparked a most daring raid deep into Syria. The ship docked at a Syrian port on 2 or 3 September, after sailing from Pyongyang, North Korea. Intelligence suggested the freighter was carrying materials and components destined for a secret Syrian nuclear research facility in the northeast of the country.

Once the crated cargo had been offloaded on to land transporters, Israeli spy satellites fixed overhead relayed 'real-time' images of the trucks as they wended their way to an agricultural research centre on the Euphrates river. Senior Israeli ministers immediately ordered a tactical strike. On 6 September, several IAF F15s (believed to be from 69th Squadron) flew into Syria and bombed the plant. First news of an apparent Israeli overflight appeared on Syrian news wires when Damascus announced it had fired upon fighters from Israel causing them to drop their reserve fuel tanks in order to "hasten their retreat". At the time Tel Aviv did not comment.



While the warplanes headed towards the Syrian border - it is believed Israel somehow managed to bring down Syrian air defences

BLACK SEPTEMBER

69 Squadron - The Hammers



The 69 squadron, known as The Hammers was formed in 1948 and saw its first action on 15 July 1948 when Israeli fighters bombed targets in Cairo, Egypt. For its first twenty years of operation, the 69 squadron was composed of former US Air Force B-17 aircraft, beginning with three B-17s in 1948 and receiving two additional B-17s in 1956. The B-17 bombers from the 69 squadron were included in squadron 103 in 1954 and were placed in storage for several months in 1956. In October 1956, squadron 69 was reactivated for the Sinai Campaign, but was disbanded at the end of that conflict.

In 1969, the 69 squadron was reformed as a second F-4E Phantom group of fighters. The 1970 War of Attrition cost squadron 69 and squadron 201 the loss of nine aircraft, but Israel received eight additional F-4E Phantoms in July 1970.

In 1971, the Israeli Air Force retasked several F-4E fighters into reconnaissance roles, changing their designation to RF-4E. However, after several years of service the reconnaissance planes returned to their combat roles. During the Yom Kippur war of 1973, Israel lost a number of F-4E Phantoms while conducting attacks against Egyptian SAM sites.

In the late 1990s, the 69 squadron was restructured once again to include Israel's new F-15Is, removing the F-4E Phantoms from the squadron. As of August 2006, it was unclear whether the 69 squadron was based at Hatzerim or at Tel Nof. **Courtesy: www.globalsecurity.org**

According to highly-placed intelligence sources, the facility had been under observation for at least two years and was being equipped with the help of renegade North Korean technicians and probably remnants of A. Q. Khan's nuclear network. Mossad agents had reported it was "already capable" of extracting uranium from phosphates.

There has been much speculation as to the ship's cargo - but it has been widely reported the warplanes targeted a nuclear cache.

Officials from both camps tried to play down the top secret mission. The Syrians don't want the world to know of its liaison with North Korea and covert nuclear programmes, while the Israelis are coy about admitting their aircraft illegally penetrated and flew into a foreign country's sovereign airspace.

The Many Theories

Stories were leaked saying the cargo was conventional weapons bound for Syrian-



backed terrorists. Another suggestion was that North Korea had moved some of its weapons to Syria for "safe storage" while negotiations continue over dismantling its nuclear sites. More interesting is the theory Syria was acting as a conduit for Iran - the weapons ultimate destination - Tehran. Over £50m (\$100m) of weapons has already been sent to Iran via this route.

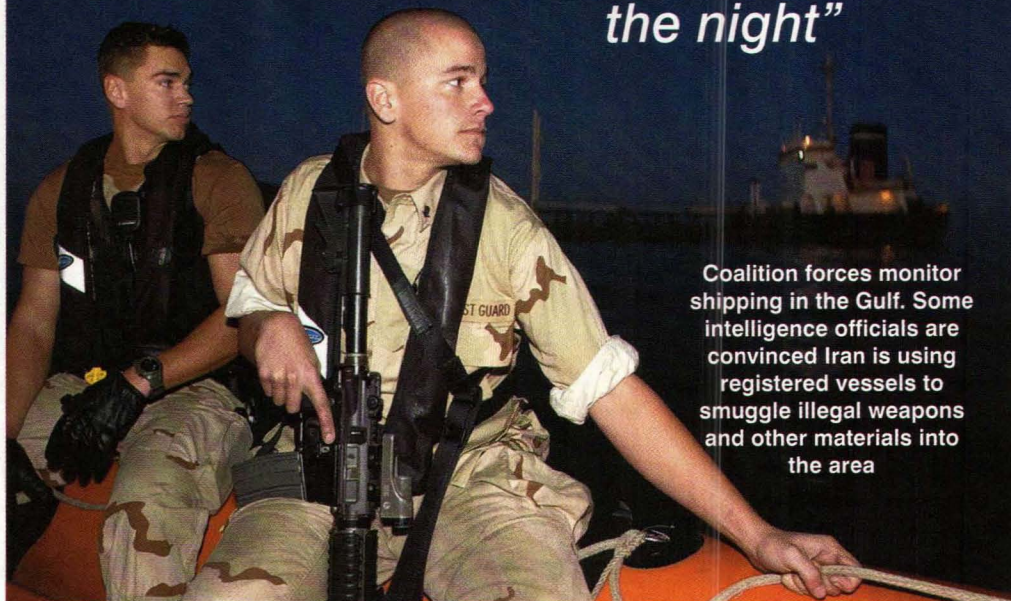
Some US sources believe the air raid was a 'decoy'. There are unconfirmed reports that two convoys set off from the Syrian port. One carrying bogus cargo - the other the real material which was actually en-route to Iran. While the warplanes attacked the secret Syrian site, Israeli commandoes flew into Syria, stopped the vehicles and took the cargo back by helicopter to Israel. Though theories abound, it's evident from intelligence watchers that the Israeli operation was far more complex and significant than first meets the eye - so important the IAF took a huge political and military gamble in destroying or recovering the cargo.

On a diplomatic front, the raid is politically sensitive as negotiations continue between the United States over the dismantling of North Korea's nuclear weapons programme. It is believed that Tel Aviv only informed Washington

of its plan to attack just hours before the warplanes departed for Syria.

Both Syria and Iran have good relations with North Korea, and defence experts acknowledge that the three countries have traded weapons' technology in the past. However, Western intelligence believe this is the first time nuclear-related materials have been transported to Syria via the communist country.

"ships that pass in the night"



Coalition forces monitor shipping in the Gulf. Some intelligence officials are convinced Iran is using registered vessels to smuggle illegal weapons and other materials into the area

Mossad sources claim Israel first became aware of a secret deal that would allow Syria to purchase a nuclear device from North Korea at the turn of the year. Already equipped with chemical weapons, placing a nuclear device atop one of Syria's North Korean-built Scud missiles would give Syria's defence forces a major boost and counter Israel's military capability. *The Sunday Times* quoting an Israel source said: "This was supposed to be a devastating Syrian surprise for Israel. We've known for a long time that Syria has deadly chemical warheads on its Scuds, but Israel can't live with a nuclear warhead."

Kim Myong-gil, North Korea's deputy to the United Nations mission chief rejected the allegations: "They [Israelis] often say things that are groundless."

In 2004, John Bolton (left), former undersecretary for arms control at the State Department, warned that Syria and Iran might "benefit" from North Korea "outsourcing" its nuclear programme. He has always been convinced Syria intended to arm itself with a nuclear bomb. In the same year, the CIA reported numerous meetings of Syrian, Iranian and North Korean officials. Bolton believes they were not just discussing benign matters.

Interestingly, Russian intelligence reportedly warned Syria that Israel was planning a military strike in August. However, it could not be certain which area was being targeted.

The story that Russia was able to intercept Mossad and government communications with such ease has worried defence officials in Israel.

As a bonus to the IAF, analysts believe counter-measures employed by Israel caused Syria's highly regarded air defence system to drop "off-line". Syria has far better air defences than Iran - a fact that won't be lost on those planners seeking to dismantle Iran's nuclear sites.



Israeli F-15i warplanes. Inset: US diplomat John Bolton has long maintained Iran, Syria and North Korea were liaising and cooperating over nuclear weapons

Every so often, Britain's Security Service - MI5, release classified and secret files from its astonishing archives. No-one really knows just how many bits of paper, artefacts and materials lie in the vaults of Thames House and other associated buildings, but the smart money is on millions. Once cleared and occasionally "sanitised" by persons charged with protecting Britain's national security interests, the files are frequently delivered to the National Archives in Kew near London, where ordinary people can view their contents. However, news of an immanent release is met with much hand-rubbing and anticipation from historians and the media alike. In September a new batch of documents were cleared, some involving suspected WWII German intelligence agents.

It's always been a matter of contention just how many - if any - German agents plied their trade in the UK... at least successfully. But these files are evidence enough that MI5 did face a genuine threat.



MI5 release files on WWII German intelligence officers and suspected agents

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UNDER THE COUNTER INTELLIGENCE

The "Curious Case" of Kurt Dehn

Among the files, the curious case of Kurt Dehn, an agent of the Etappendienst (the German Naval Espionage Organisation, absorbed by the Abwehr in 1939).

Dehn had been resident in Britain since 1936, and as an ex-German naval officer he was suspected of having divided loyalties. A watch was mounted on his correspondence, but his identity as an agent was not positively confirmed and he was interned more on the grounds of being a doubtful case in September 1939. Interviewed by the Security Service that winter, his dubious character was recorded: "He would be willing to do such intelligence work [for Britain] as was in his capacity... however, he would be completely unsuitable and also untrustworthy. Although I doubt if Dehn has ever

actually given information to Germany... I feel that he is capable of doing so, and would not hesitate if he were paid."

On this basis, and without hard evidence, MI5's request for Dehn to be interned for the duration was granted. However, as recorded in one of the files, Dehn was released from internment on the Isle of Man in July 1944 as he was deemed no longer a threat. It was only subsequently that his intelligence role was confirmed from captured German documents - though by this time he had submitted an application for naturalisation (which was granted in 1952). Dehn's story from these reconstituted files is therefore one of the very few German agents in Britain during the war to escape being confirmed as an agent - though the efficient operation of the internment system effectively prevented him undertaking any espionage work. It also shows the calibre of man used by Germany for this work.

"The Mystery Deepens" Hans Görschen

These heavily "weeded", reconstituted files tell the story, such as the Security Service was able to establish it, of the German-born, naturalised Dutch Abwehr officer Hans Görschen, who seems to have used this position to assist the Dutch Resistance and hide his own anti-Nazi opinions.

The Service had identified Görschen before the war as an Abwehr officer in Holland and likely channel for passing Abwehr funds covertly into Britain through his commercial activities, and this belief seems to have made it hard to accept that Görschen might have had another motive. Minute 399 of November 1945, for example, notes: "The mystery deepens. There is not the slightest



doubt that in 1938 von GOERSHCEN was an important Abwehr man..." but goes on to doubt the possibility that he had aided the Resistance.

Yet this and another file contain many first hand reports that he had assisted the Resistance, and indeed that he was working for Allied intelligence, and was involved in the July 1944 bomb plot against Hitler (above). The trouble was that many of the reports came from at best dubious sources, such as the account of a one Carl Deichmann of January 1946, which tells of Görschen's wartime activities in some detail.

The investigation peters out when MI5 accepted the story that Görschen had been killed by the Gestapo at Prinz Albrecht prison in Berlin in April 1945, after enquiries for traces of Görschen in captured Nazi records had not yielded any evidence.

Kurt Ludwig and his Spy Ring

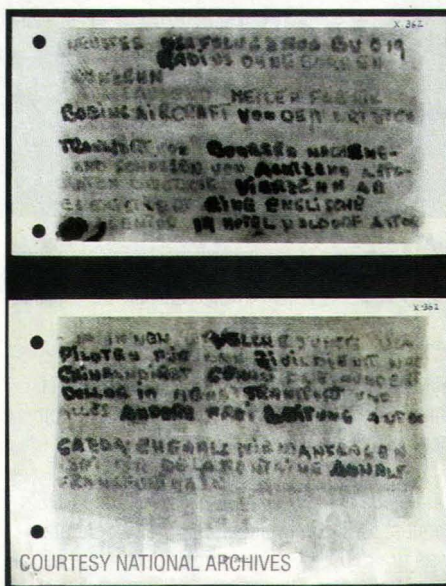
Ludwig was a German spy operating in America, where he ran a spy ring passing military intelligence to the Abwehr in Lisbon and Madrid by means of correspondence containing secret writing. The ring was detected due to the skilled work of the British censors in Bermuda, whose role in the case is recorded in MI5 records, along with examples of the intercepted correspondence and revealed secret writing.

Though Ludwig thought he was under suspicion, it was only due to the clever detective work on information culled from his correspondence that he could be traced, and it was the intercepted evidence that was vital in the courtroom. The Ludwig case is included in Volume 4 of Hinsley's history of British Intelligence in the Second World War.

Ludwig wrote frequently, and the product from his intercepted letters, and the analysis done on the information they contain, can be found in another released file. There is a good summary of the case by the Secret Intelligence Service

representative in America in August 1941 up to the identification of Ludwig as the spy 'JOE K'. The FBI arrested Ludwig on 23 August (see sidebar feature). The file goes on to build traces of Ludwig's movements and those of his associates and agents. There are also examples of his secret writing.

The file continues the story up to and beyond Ludwig's trial and conviction. The consul-general in New York commented on the good effect the case had on the American press, with the role of the Bermuda censors being highlighted.



COURTESY NATIONAL ARCHIVES

Kurt Ludwig's secret writing

The Count and Kim Philby

While the case of French Abwehr spy Count Billebault de Chaffault is not the most celebrated, dramatic or significant, the three reconstituted files covering the case are included in the archived file because they give the most complete account of the handling of a German

spy so far released. The Count had been identified as an Abwehr agent before his mission to Uruguay started in 1943, and he was arrested at Gibraltar and taken to Camp 020 for interrogation. The Security Service was first warned about the Count by correspondence from the notorious Kim Philby at the Secret Intelligence Service. Records from 1944-1956 show how the Count was returned to France to face trial for his

The "Secret Writing" of Hans Larsen

Larsen was a Norwegian recruited by the Germans to report on Swedish military dispositions, who was flown to Britain after his arrest in Sweden.

The reconstituted file, covering 1945-1956, is chiefly of interest for the Camp 020 Interim Report, which gives a great amount of detail on the methods employed by the Germans in recruiting Larsen and running him as an agent. His case history is similar to many recruited by the Germans who subsequently tried to sell their services to the allies. Larsen was to have passed his information using secret writing, and the file includes copies of letters tested for secret writing, and a copy of *The Naturalist* from March 1945, which was also tested for secret writing.

Ernesto Hoppe - The Total Spy

The file on the case of Ernesto Hoppe covers a story described in the interim report on him from Camp 020 as follows: "The adventures of HOPPE would run well in serial form in the servants' penny weekly. Espionage, loot, U-Boats, clandestine landings, wireless transmitters, pass-words, fast cars, pregnant wives, Spanish brothels, denunciations, forgeries, secret service prisons, escapes in hospital blue, all these things and more have come under consideration during the official investigation into the life of this man."

Hoppe, an Argentine living in Germany, was to travel on a German Secret Service mission to Argentina, supposedly to arrange the transfer of the valuables and funds of senior German figures into safe deposit there. An Argentine source revealed the plan and Hoppe was removed from his boat at Gibraltar, from where he was taken to Camp 020 for interrogation. The report gives a full account of his story, including details of his escape from a guarded hospital room in



Ernesto
Hoppe

December 1943, and what he did during the few hours' liberty he thereby obtained. Hoppe was deported to Argentina in October 1945.

FBI Nabs the Last Ludwig Ring Spy

The capture of German spy Teodore Erdmann Erich Lau on October 18, 1946 - the last of the infamous German espionage 'Ludwig ring' - was put in motion five years earlier by a jaywalker in New York City.

There was "Senor Don Julio Lopez Lido", ostensibly a courier for Spain, crossing against a traffic light one spring evening in 1941 when a taxi struck him - fatally throwing him under the wheels of another car. His companion, who had tried to stop the accident, instantly grabbed Lido's attaché case and left the scene.

TWO MYSTERIES

New York police took note of the companion's suspicious actions, but even more were puzzled by the dead man's possessions: his papers were in German, not Spanish; his notebook contained names and possible assignments of some US soldiers; his clothes had no labels. They turned these items over to the FBI. The Bureau, though, could not identify the mysterious companion of the false Lido.

Another case at the time puzzled them too: secret

messages from a mysterious 'Joe K' - forwarded by British censors in Bermuda - described vital American defense information. Neither the Brits nor the Bureau had been able to identify the spy. Then the Bureau itself intercepted a message from 'Joe K' that used secret writing to tell his superiors of the 'Senor Lido' fatality.

A connection was made, and the hunt was on.

PUTTING THE PIECES TOGETHER

'Joe K' turned out to be none other than American-born Kurt Frederick Ludwig. Ludwig had moved back to his parents' native land as a young man... and German intelligence was delighted to recruit him as an agent in the war effort. It had sent him back to the USA in March 1940 to set up a spy ring of young, industrious agents who could gather information about US troops, their order of battle, and American manufacturing.

'Senor Lido' turned out to be Captain Ulrich von der Osten of the German Abwehr, and - the final piece of the puzzle - his companion was none other than Joe K/Kurt Frederick Ludwig.



Kurt Frederick Ludwig

COURTESY FBI

Tracking Ludwig around the country, FBI agents were able to identify Ludwig's spies and contacts. Arrests followed, and in March 1943, eight members of the Ludwig ring were tried and sentenced to long jail terms.

THE LONG ARM OF THE LAW

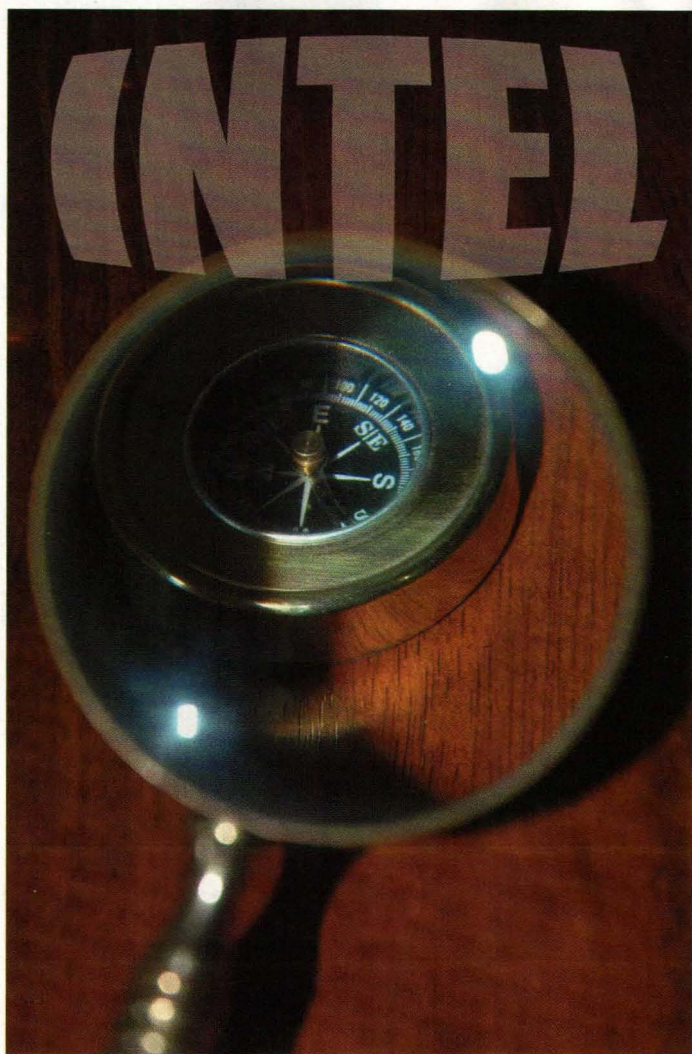
The case, though, was not over. One agent - codenamed 'Bill' - had eluded capture, and the FBI continued to follow new leads in the case. One led to Teodore Erdmann Erich Lau, a German-born Argentinian who had served as paymaster for the Ludwig ring in 1941 and 1942. The Bureau tracked 'Bill' through South America, England, and Canada, until agents finally captured him in New York on 18 October 1946.

In short order, Lau was tried and sent to prison like the rest of Ludwig's ring.

treachery in June 1945, and that he was sentenced to five years "degradation nationale pour intelligence avec l'ennemi" in February 1946. Another file provides an extremely derogatory and negative character assessment of the Count, suggesting almost that his propensity towards treason was an "inherited trait".

Monthly **The Naturist** MARCH, 1945
NUDISM — PHYSICAL — CULTURE — HEALTH





Russia's FSB and Biology

Security officials from Russia's FSB are investigating a Moscow-based scientist they suspect of transporting materials that could be used in a biological or bacteriological weapon. Oleg Mediannikov, a biologist at Moscow's Gamaleya Institute of Epidemiology and Microbiology denies the allegation. He claims he had applied and received all the correct paperwork necessary to carry research samples through customs. Mediannikov, is one of a growing number of Russian scientists who have been targeted by the FSB for their ties to the West. In recent years, numerous academics have been detained for allegedly misusing classified information, revealing state secrets and in some cases, espionage.

Mediannikov's strange story began on 12 December 2006, when he booked a flight to Marseilles from Sheremetyevo. He had intended to deliver 20 phials of a "non-dangerous typhoid vaccine" to colleagues. Officials found the material during a routine bag search. The phials were confiscated. He was later told the material was sent to a facility code-named the 47th military research institute - for an "expert assessment."

In February 2007, he tried to board an Africa-bound airliner for a holiday. He

was denied permission to leave at Moscow's Domodedovo Airport. His passport was confiscated but returned to him a few weeks later.

In June, Mediannikov was visited by FSB officers who said he was under investigation for "smuggling materials that might be used for preparing weapons of mass destruction."

Mediannikov insists he is innocent. Indeed, it appears that the vaccine had been approved for export to France. "Logically, this shouldn't be happening at all, but it is and why it is remains a complete mystery for me," he said. "I really hope that wiser heads will prevail." This statement of innocence has not convinced Anatoly Osipenko, deputy director of the Gamaleya Institute. He said Mediannikov should have declared the samples.



Didier Raoult

WAR GAMES

Russian Bears Resume 'NATO Nuisance Flights'

RAF warplanes intercepted eight Russian Tupolev-95 Bear bombers in early September as Moscow resumed its once infamous Cold War "nuisance flights". It was the fourth time this year UK fighters have challenged Russian bombers.

Ministry of Defence officials became concerned when a major formation of targets started to move towards British airspace. Three Tornado F3 fighters were scrambled to intercept the giant aircraft, all of which turned away when the warplanes ap-

proached. It was the biggest aerial confrontation between Russia and the UK in over a decade.

The RAF were forewarned by Norway, who had earlier sent four F-16 fighters to "parallel" the Tupolevs. Moscow said the aircraft were simply conducting a training mission over international waters from the Barents Sea to the Atlantic before heading for Britain.

This latest incident mirrors several Russian flights that have "edged" towards the UK's 12-mile airspace



COURTESY USAF

zone this year, and analysts believe Moscow is testing Britain's air defences. Besides the three Tornados, the RAF launched an AWAC and a VC10 tanker that would have allowed the fighters to refuel if necessary.

Russia said 14 long-range bombers had participated in the exercise, which also included overflights over the Pacific, Atlantic and North Pole areas. Colonel Alexander Drobyshesky, a spokesman for Russia's air force, said in all, Russia's pilots had counted 20 NATO fighters who "joined them." He told reporters: "Virtually all of our strategic planes are being shadowed by NATO fighters".

RAF fighter intercepts Tu-95



COURTESY MOD



COURTESY NORAD

ical Weapons Material



Didier Raoult, a French biologist with the University of the Mediterranean, said Mediannikov had been to France three times in the past without incident. "We've been working with the Gamaleya Institute for 15 years and we've never had any problems. Even when we were working in communist times," Raoult said.

The FSB are increasingly concerned terrorists have turned their attention to biological and chemical weapons. In May, a secret FSB report submitted to President Putin warned that biological samples taken from Russia could be used abroad to produce 'genetic

weapons'. Western intelligence fears lax security at Russia's nuclear and medical research centres could see groups like al-Qaida acquire the materials necessary for a dirty bomb. The FSB's tough stance with Mediannikov could be an attempt to show the West Russia is keeping a watchful eye on what and whom leaves the country.

Western intelligence is aware that most, if not all of Russia's research centres are under close scrutiny and observance by the FSB. This situation is a throwback to Russia's KGB days. Criminal proceedings against Mediannikov started in June.

Rising tensions between the West and Russia resulted in President Putin declaring that strategic air patrols would resume. It's the first time in 15 years such flights have occurred.

In August, General Gene Renuart, the commander of the North American Aerospace Defence Command (NORAD), admitted Russian bombers were conducting



exercises more frequently and closer to US and Canadian territory.

"Over the last few months the Russian Air Force has been flying a little bit more than we've seen in the past," Renuart said. "Certainly, they're ranging farther than they have in the more recent past.

"NORAD has intercepted them out over international waters, near Alaska, and the command continues to monitor all of their long-range bomber flight activity."

Renuart's team watched anxiously in mid-September as two more strategic Tu-95 bombers carried out a flight along the coasts of Alaska and Canada..

MI5 IED OVERLORD

Search is on for an IED specialist

Notwithstanding MI5 have fought many a tantalising game of 'cat and mouse' with the IRA and its bomb builders over the past three decades, it does seem strange that the Security Service should advertise for a specialist in improvised explosive devices to combat terrorism.

During the Troubles in Northern Ireland, the IRA and other terrorist organisations became skilled operators in the construction of such devices. From bombs using dried peas as trigger mechanisms, to simple toys modified to act as detonators - the IRA used them all - and British Intelligence became experts in countering such devices. However, the threat of an IED being used in the UK grows every day as al-Qaida terror cells are finding it more difficult to operate and purchase materials for larger explosions.



The MI5 decision follows a series of deadly attacks in Iraq and Afghanistan and two attempted attacks in the UK this summer. Earlier this summer, a Jeep laden with gas cylinders was driven into a passenger terminal in Glasgow airport and two Mercedes containing unexploded gas cylinders were found in London.

MI5 hope to counter this threat by recruiting their own expert with knowledge of such deadly weapons, including both military and commercial explosives.

Those applying for the MI5 job are expected to have knowledge of car and lorry bombs which can be constructed by extremists using everyday materials. The recruit, who will be paid up to £50,000 (\$100,000) must have a military background and will be required to report to the top levels of the government on latest development in terrorist weaponry. The advert, which MI5 posted on its website, states that the specialist can "expect to be faced with some of the most challenging and relevant issues affecting national security today".

"Each Tu-95 plane took about 30 tons of fuel on board, for the first time since the Soviet era. Their average flight duration was about 17 hours, during which the aeroplanes covered a distance of over 13,000 km [8,000 miles]," said Colonel Alexander Drobyshevsky,

According to Russian Air Force officials, the bombers were refuelled in the air by Il-78 Midas tankers.

Drobyshevsky also said another pair of Tu-95MS flew around Greenland into the eastern Atlantic, a flight that took about 12 hours.

Though analysts believe Russia is simply flexing its muscles, some intel watchers admit there is a real

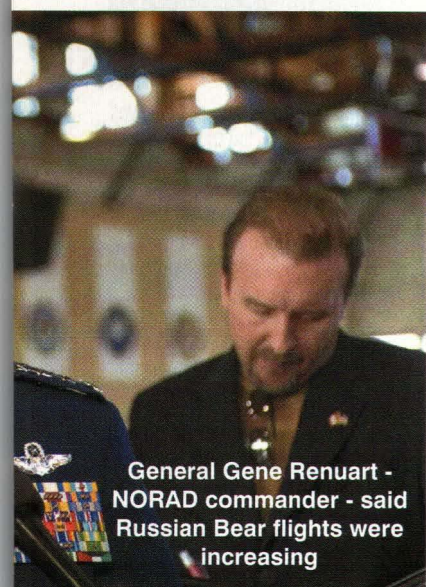


May 2007: Tornado F3's launched from RAF Leuchars, Scotland intercept Tu-95 monitoring Royal Navy exercise - Neptune Warrior

July 2007: Two Tu-95's intercepted by RAF Tornados near British airspace

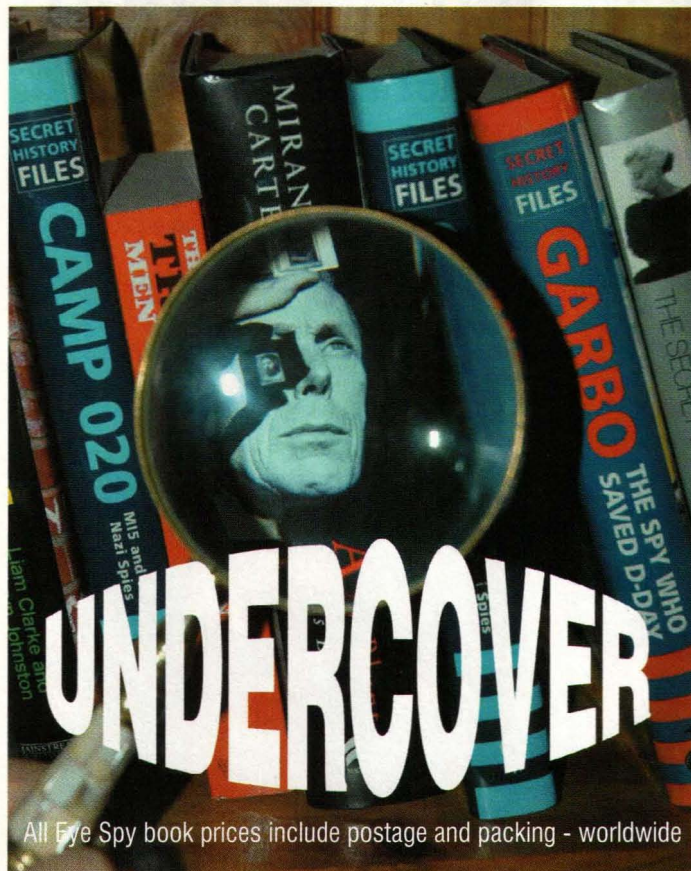
August 2007: RAF Eurofighters (Typhoons) from RAF Coningsby in Lincolnshire intercept two Tu-95's

September 2007: Three Tornados intercept several Tu-95's



General Gene Renuart - NORAD commander - said Russian Bear flights were increasing

BOOK RELEASES



All Eye Spy book prices include postage and packing - worldwide

FEMME FATALE:

A Biography of Mata Hari: Love, Lies and the Unknown Life of Mata Hari
Pat Shipman
Weidenfeld & Nicolson

In 1917, the notorious Oriental dancer Mata Hari was arrested on the charge of espionage - and the deaths of at least 50,000 "gallant French soldiers"; less than one year later she was tried and executed. The mistress of many senior Allied officers and government officials, even the French minister of war, she had a sharp intellect and a golden tongue fluent in several languages; she also travelled widely throughout war-torn Europe, with seeming disregard for the political and strategic alliances and borders. But was she actually a spy? In this persuasive new biography, Pat Shipman explores the life and times of

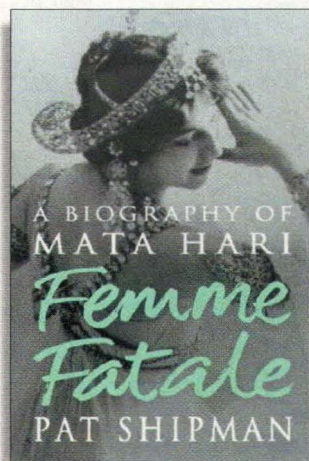
the mythic and deeply misunderstood dark-eyed siren to find the truth.

Her blissful Dutch childhood as Margaretha Zelle ended abruptly with her parents' emotionally scarring divorce and, shortly after, her mother's death. Shuttled off to reluctant relations, Margaretha impulsively married a much older man, who gave her syphilis (then incurable) and took her to the Dutch East Indies, where the unhappy marriage exploded into vicious hatred following the death of their oldest child. Fleeing her tragic marriage, she reinvented herself as *Mata Hari*, a scandalously sensual dancer with an Indies name and an Indies aura about her novel "artistic" dances.

Mata Hari's life reads like both an action-packed adventure tale and passionate, poignant romance. Shipman reveals new information about this beautiful, brilliant, and dangerous woman, tracing the web of connections between her professional and personal lives. Once called "an orchid in a field of dandelions,"

Mata Hari was one of a kind, a rich and multifaceted personality whose ambitions and talents propelled her breathtaking rise - and her tragic fall. Hardback 464pp

Available from Eye Spy
Ref: ES/1247 £23.50 \$48.00



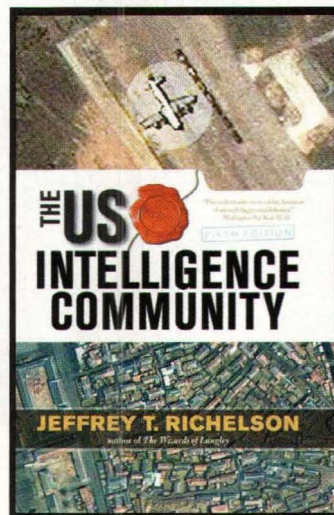
Publishers should send review copies or advisory notices to our UK or New York address featured on page 83

THE US INTELLIGENCE COMMUNITY

(5th revised edition) By Jeffrey T. Richelson - Westview Press

From the author of *The Wizards of Langley*, this definitive survey of the US intelligence community, covering its history, organisations, operations, and management in detail, is now fully updated with new material on homeland security, intelligence sharing, POW and detainee interrogation, and national intelligence organisations.

The role of intelligence in US Government operations has changed dramatically and is now more critical than ever to domestic security and foreign policy. This authoritative and highly researched book provides a detailed overview of America's vast intelligence empire - its organisations, its operations (from spies on the ground to satellites thousands of miles in space), and its management structure. Relying on a multitude of sources, including hundreds of official documents, author Jeffrey Richelson provides an up-to-date



picture of the US intelligence community that will allow readers to understand the full scope of organisations and activities and will give valuable support to policymakers and military operations. Paperback 592pp

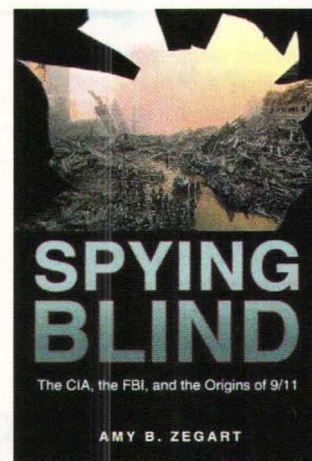
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SPYING BLIND:

The CIA, the FBI, and the Origins of 9/11
Amy B. Zegart
Princeton University Press

In this interesting book, Amy Zegart provides the first scholarly examination of the intelligence failures that preceded the events of 11 September 2001. Until now, those failures have been attributed largely to individual mistakes. But Zegart contends the intelligence system itself left the US public vulnerable.

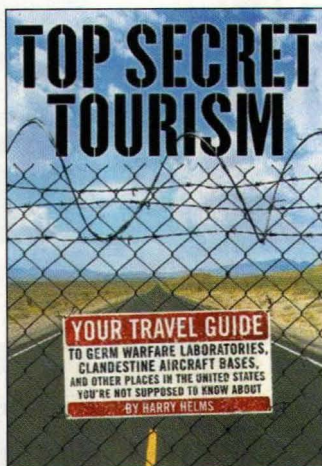
Zegart argues that after the Cold War ended, the CIA and FBI failed to adapt to the rise of terrorism. She makes the case by conducting painstaking analysis of more than three hundred intelligence reform recommendations and tracing the history of CIA and FBI counterterrorism efforts from 1991 to 2001, drawing extensively from declassified government documents and interviews with more than seventy high-ranking government officials. She finds that political leaders were well aware of the emerging terrorist danger and the urgent need for intelligence reform, but failed to achieve the changes they sought. The same forces that have stymied intelligence reform for decades are to blame: resistance inside US intelligence agencies, the rational interests of politicians and career bureaucrats, and core aspects of our democracy such as the fragmented structure of the federal



government. Ultimately, Zegart believes failures of adaptation led to failures of performance. Zegart reveals how longstanding organizational weaknesses left unaddressed during the 1990s prevented the CIA and FBI from capitalising on twenty-three opportunities to disrupt the 9/11 plot.

Spying Blind is a sobering account of why two of America's most important intelligence agencies failed to adjust to new threats after the Cold War. The author - perhaps unwisely - says they are unlikely to adapt in the future. Hardback 352pp

Available from Eye Spy
Ref: ES/1248 £25.99 \$32.00



TOP SECRET TOURISM

Harry Helms
Feral House

Your Travel Guide to Germ Warfare Laboratories, Clandestine Aircraft Bases & Other Places in the United States You're Not Supposed ... States You're Not Supposed to Know About

Here is the unseen America of government facilities and installations protected by a wall of secrecy, deception, and misinformation. It includes huge, isolated areas (some larger than the states of Connecticut and Rhode Island), along with innocuous office buildings located in the middle of major cities. This "other America" has an enormous impact on your life, but you probably have little idea of its extent, scope, and power.

This book invites you to visit this top-secret America. Listings are by state, and each facility/site entry gives its history, discusses the activities carried on there, explores various rumours, and provides maps and directions to every location.

None of the intelligence here was taken from classified sources; everything was on the public record and obtained through visits and patient digging. Since the 9/11 attacks, much of this information was removed from public dissemination. To those who think that a book like this discloses vital government secrets, author Harry Helms says: "Get real. If I can find this stuff out, the Russians, Chinese, and various terrorist groups also found it out a long time before I did."

Adventurous travellers and truth-seekers will want to know how to navigate within top-secret America. Softback 224pp

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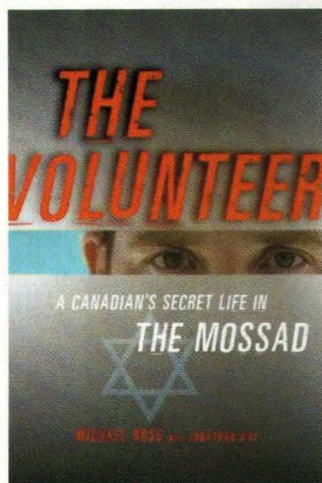
THE VOLUNTEER:

My Secret Life in the Mossad
Michael Ross
Vision

In 1982 Michael Ross joined the legions of North American 20-somethings backpacking around Europe. When his

money ran out, he wound up working on a kibbutz in Israel, where he fell in love with the land and its multi-layered history. He immersed himself in Israeli culture, converted to Judaism, married a Sabra, and adopted Israel's struggle for survival as his own. He joined the Israel Defence Force and was then recruited for the Mossad's most elite and storied covert-operations unit, *Caesaria*.

For seven-and-a-half years, Ross worked as a top-level undercover agent, operating in many political hotbed areas in the world.



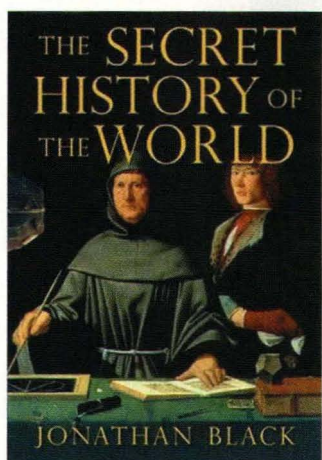
In *The Volunteer*, he describes his role in the capture of the three senior al-Qaida operatives who masterminded the 1998 attacks on American embassies in Kenya and Tanzania, a joint Mossad-FBI operation that uncovered a senior Hezbollah terrorist based in the United States. Many of the operations Ross describes have never before been revealed to the public. Hardback 288pp

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THE SECRET HISTORY OF THE WORLD:

As Laid Down by the Secret Societies
Jonathan Black
Quercus

The book is based on twenty years research and, crucially, the author has



been helped to understand what is supposedly encoded in key texts by a high level initiate of more than one secret society, in one case initiated to the highest degree. So he says. Leonardo, Newton, Washington, Napoleon and an astonishing number of the great men and women who have made history are shown to have used the secret techniques to achieve altered states that have been nurtured and preserved by the societies. There, they believe, they access a higher intelligence and see the world as it really is.

Great works of art, scientific discoveries and historic decisions are shown to have arisen out of these altered states - and with a remarkable unanimity of purpose. This history is crammed with more esoteric *believe-it-or-nots* than any book since Blavatsky's 'The Secret Doctrine', but it does also have a serious, philosophical undertow, which is the suggestion that with a slight shift in consciousness, the world and its history can be seen to be very different to what we have been brought up to believe.

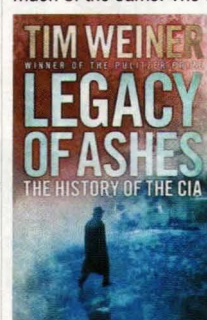
Plain daft... though provoking? Perhaps both. Large Hardback 400pp

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LEGACY OF ASHES:

The History of the CIA
Tim Weiner
Allen Lane

The publishers blurb about Weiner's controversial book is so lop-sided and anti-CIA that it is hardly surprising the rest of the 720 pages are filled with much of the same. The dust jacket



reads: "Since its creation in 1947, the CIA has been a byword for everything that is sinister and ruthless about America's projection of power during the Cold War and with the

'war on terror'. There have been few major political events around the world in which the hidden hand of the Agency has not been seen. In countless movies and books, the CIA has been shown as decisive, brilliant and in control of its own secret world: the image of omnipotence." Weiner injects: "But this is an illusion. In reality, the CIA has been incompetent, naive, chaotic, and a danger to American interests for sixty years."

The publisher's insight continues: "Legacy of Ashes makes clear that the CIA has always been a blundering, ruinously incapable organisation, with each decade providing its own low

points." What's the point then in spending a few days digesting a manuscript looking for a sensible balanced argument. However, to comment properly the book must be read. True, the CIA has a shadowy past that it hopes people don't dwell too long on, but Weiner couldn't even wait until the ink had dried on the inside pages before he vented his hatred - he started on the cover! A mistake. Someone from Langley must surely have upset Weiner.

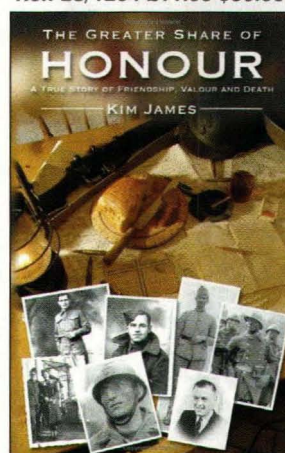
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Kim James
Matador

Seven men - three British, three French and one Senegalese - born hundreds of miles apart and separated by nationality, race, religion and class... yet all have a unity at the time of their death. Though ordered to retreat, the men decided to stay in the village of Criquebeuf, Normandy, where they faced a superior German infantry. They managed to destroy a bridge that would have otherwise been useful to the enemy. Through painstaking research, this account tells of the men's backgrounds from birth to the out break of the second world war... their loves, hopes and despair, and their optimism in the face of the greatest danger. It describes the coming together of their fates. These were ordinary men, yet at the same time extraordinary in their stubbornness and ability to gain the trust and affection of their friends, families and neighbours... and the respect of their enemies. In following their transition from bored labouring battalions during the 'Phoney War' to fighting men in the last desperate battle before the defeat of France, this fictional account breathes life into a long-forgotten yet heroic incident at a time of great turmoil. This fictionalised account of a true story is a moving tribute to a noble band of men whose story has been hidden for years. Soon to be made into a film by Century Aspect Films. Paperback 452pp

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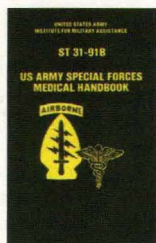
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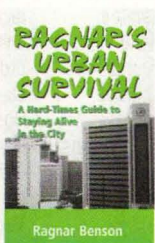
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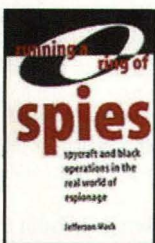
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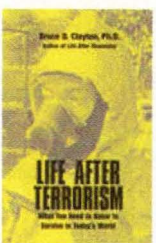
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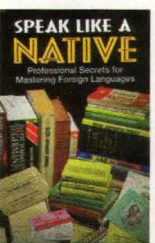
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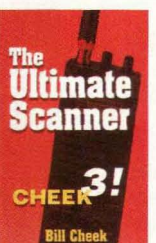
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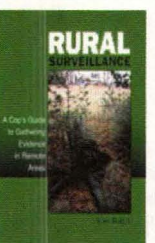
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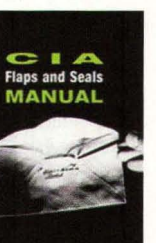
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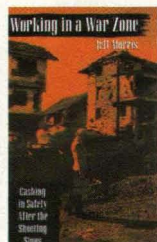
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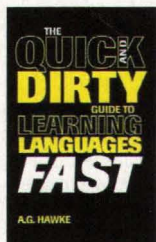
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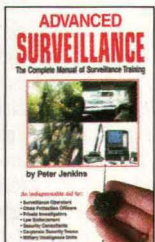
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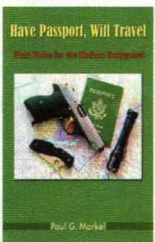
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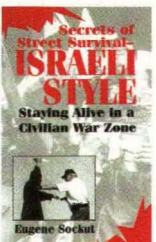
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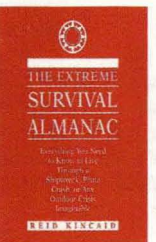
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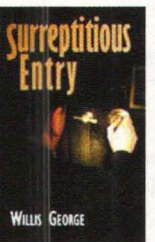
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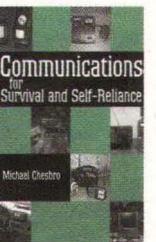
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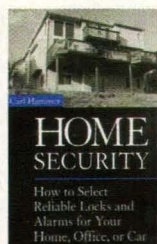
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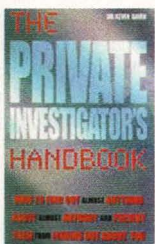
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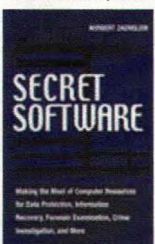
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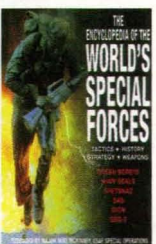
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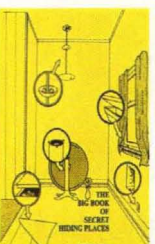
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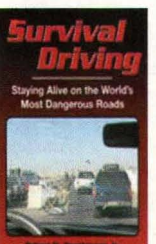
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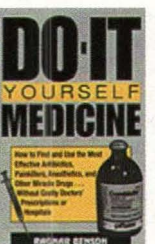
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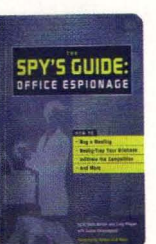
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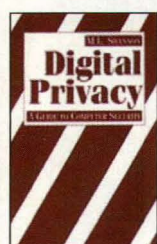
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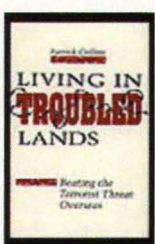
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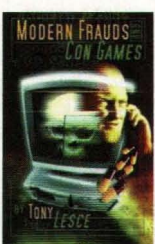
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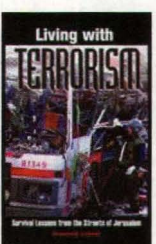
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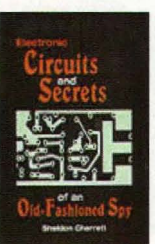
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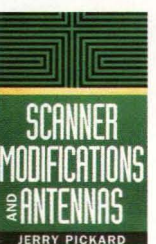
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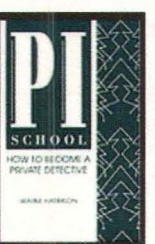
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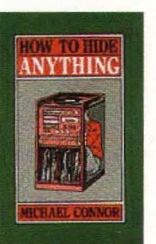
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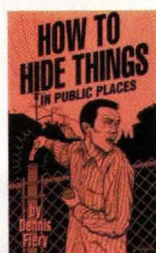
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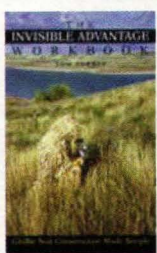
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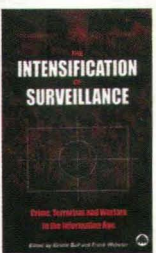
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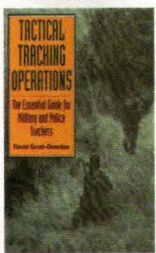
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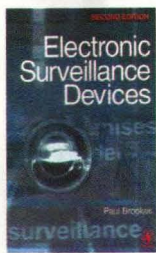
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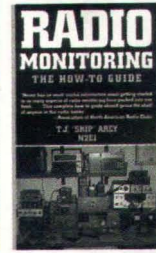
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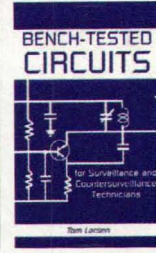
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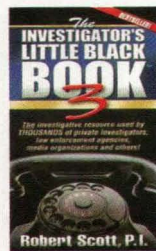
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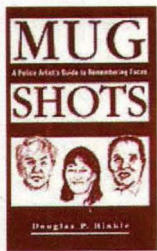
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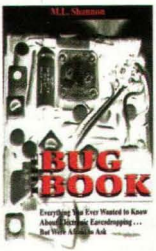
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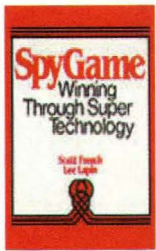
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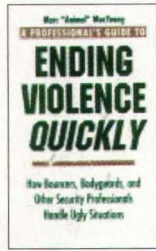
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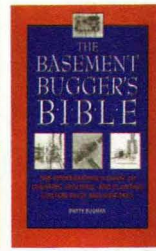
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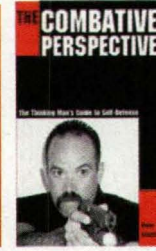
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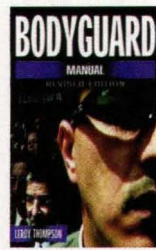
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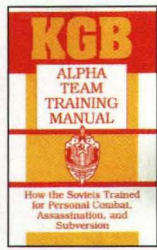
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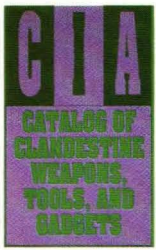
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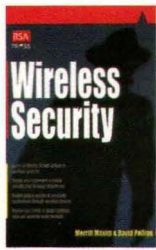
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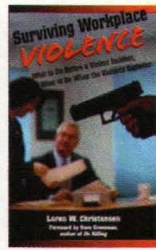
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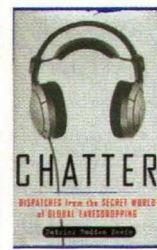
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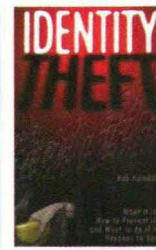
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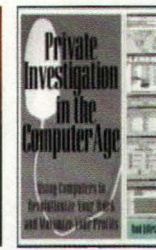
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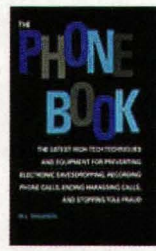
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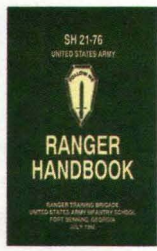
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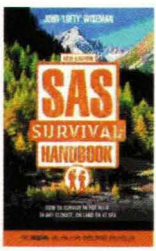
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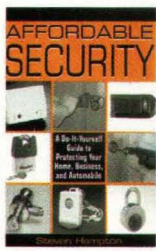
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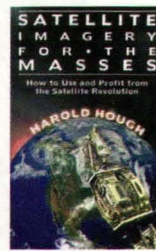
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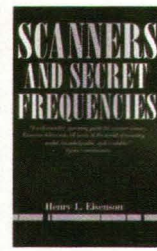
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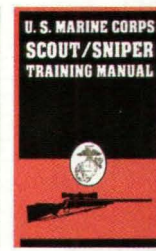
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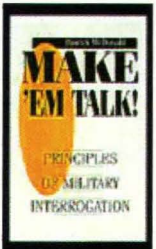
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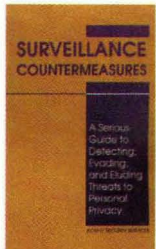
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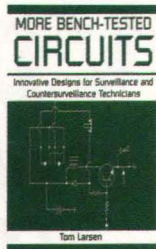
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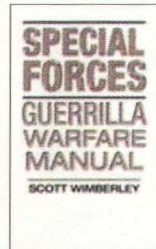
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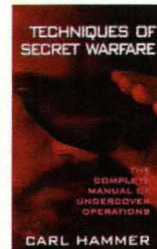
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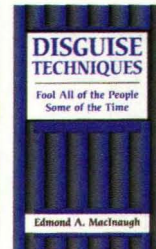
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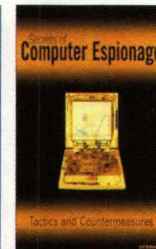
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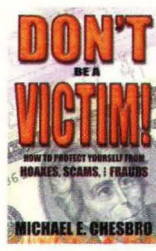
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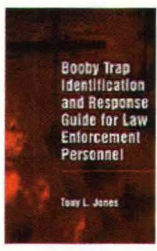
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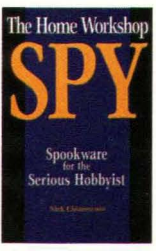
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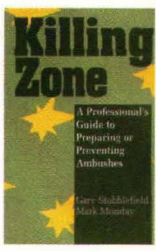
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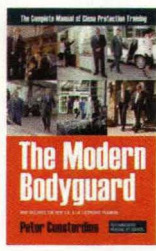
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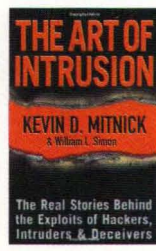
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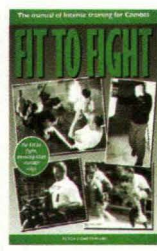
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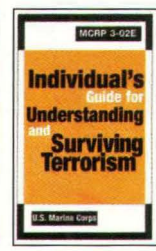
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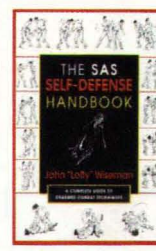
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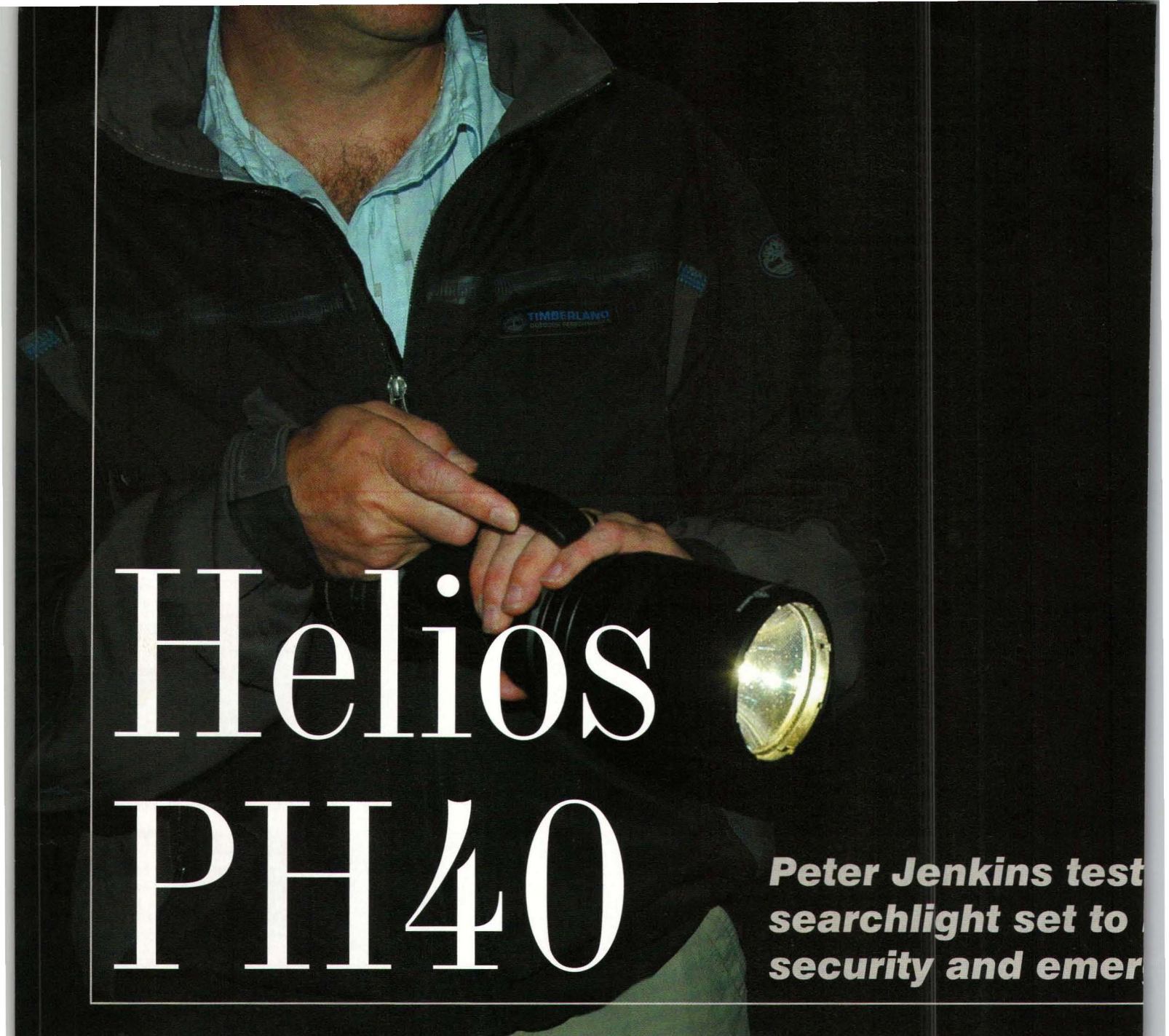
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Helios PH40

**Peter Jenkins test
searchlight set to
security and emer**

Portable Searchlight



"Peter, I want you review a new piece of equipment that has arrived from the States." Eye Spy's editor had just taken delivery of a new hand-held torch (searchlight) direct from the manufacturer and costing a few thousand dollars. "You won't believe how powerful it is," he said.

I couldn't exactly get overexcited about a 'torch'... could I? Designed by a "Team guy" (US Navy SEAL), yes it's going to work underwater but you turn it on, light shines out of one end, it may survive a drop on a turtles back or a whack with a paddle but what else can a torch do other than shine light?

Not really too enthusiastic I agreed take a look at it. My initial thoughts were, *'what's the point, there are so many out there,*

what can be different, new or going to impress me'. This will be a short review... oops!

I already have a Maglite which is virtually indestructible and always kept in the porch. In the glove box of the car - a Surefire Elite which is extremely tough, fits in the palm of your hand and will blind a person from 30 yards! So what can be different about this one?

Then it arrived, the "mother of all American-built torches" tucked neatly in a Pelicase. Now what kind of torch arrives dressed in a suit like that? The Polaron PH40 Portable Searchlight does. Why? "Because its got style" as the BBC's British car expert Jeremy Clarkson would say.

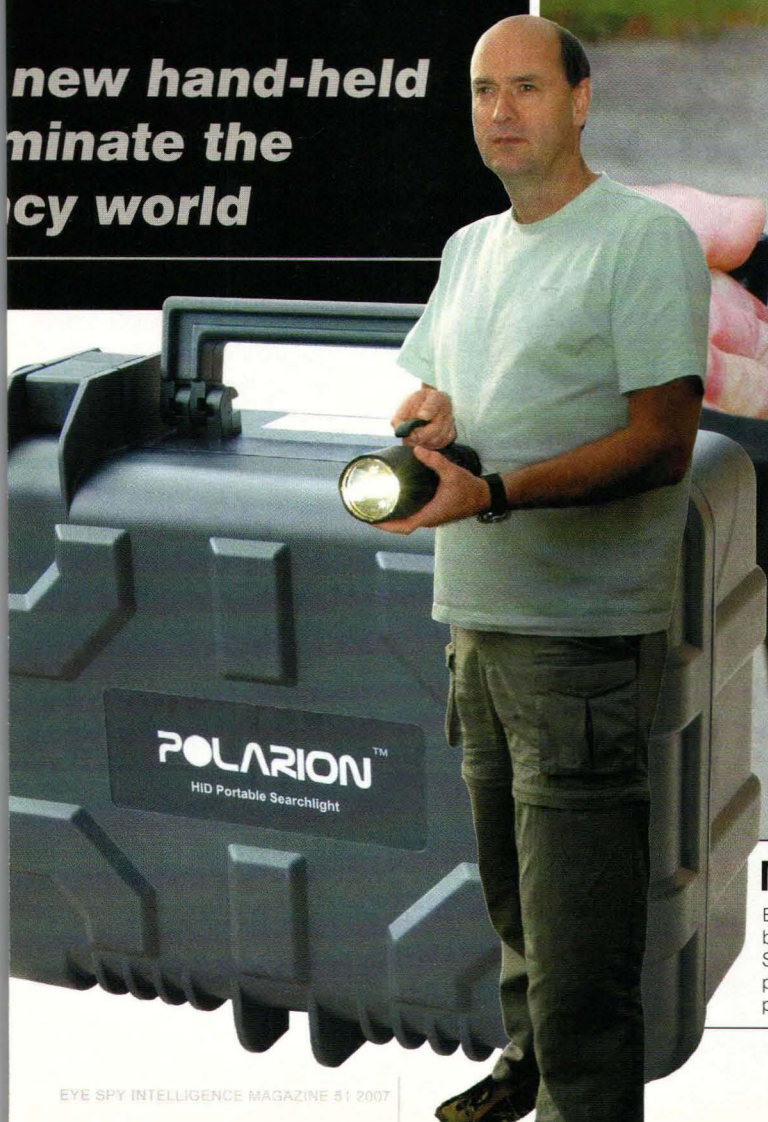
The Polaron is quite a large torch, or searchlight to use its correct description. Twelve inches long and approximately four inches in diameter, it is still fairly lightweight, weighing in at just under 4lbs. Comfortable to hold with an integrated handle it's so well balanced to the point where you just have to own it. With its rugged black-painted aluminium body, the torch has a military specification anodised coating.



Primarily, this is more than a just a torch: it's a professional searchlight designed and intended for use by professionals, the military, law enforcement, the emergency services and search and rescue. I would also say hunting - but you would have to be a wealthy huntsman as the searchlight costs in the region of \$2,100 (£1,100). It's not something that you would wish to leave in the trunk of your car or loan to a friend - unless he's your best mate.

So what do you get for your money? Besides the device, a high-quality protective case, Lithium Ion battery, wall charger, shoulder strap and a tactical quick-release lanyard. It was pleasing to see that you can also obtain a number of coloured filters including infrared, which would be very effective with night vision devices or the "night shot" facility on some camcorders. The spec, also states that it is water resistant down to a depth of 300 feet (approximately)

**new hand-held
minate the
cy world**



MANUFACTURERS PLEASE NOTE

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The searchlight turns night into day



100 metres), which is a lot of pressure at that depth. Not every one needs the ability to see in the dark at 200 feet below the surface but you never know when your submarine springs a leak and the captain has *volunteered you* to go outside and take a quick look

So what about the beam; the important bit?

Switching it on is simple and could easily be done wearing diving gloves or arctic mittens but I have a comment about that later. The spec, says the lamps output is 4000 lumens which is extremely, extremely bright and I've said it twice because it is. I field tested the machine and discovered that it not only covered a good arc but also illuminated trees on the other side of the valley approximately 1,100 metres away. It also worked well against car registration plates at that distance (see through binoculars). The light is very blinding and even its reflection bouncing from something nearby such as a wall or tree can leave blind spots on your eyes for quite a while. So users be careful.

I quickly came to the conclusion that this has got to be the most powerful hand-held light I have ever come across.

Its uses and applications are many due to its long distance range and brightness. Not only does it provide

The on-off mechanism glides smoothly around the unit - perhaps too easily



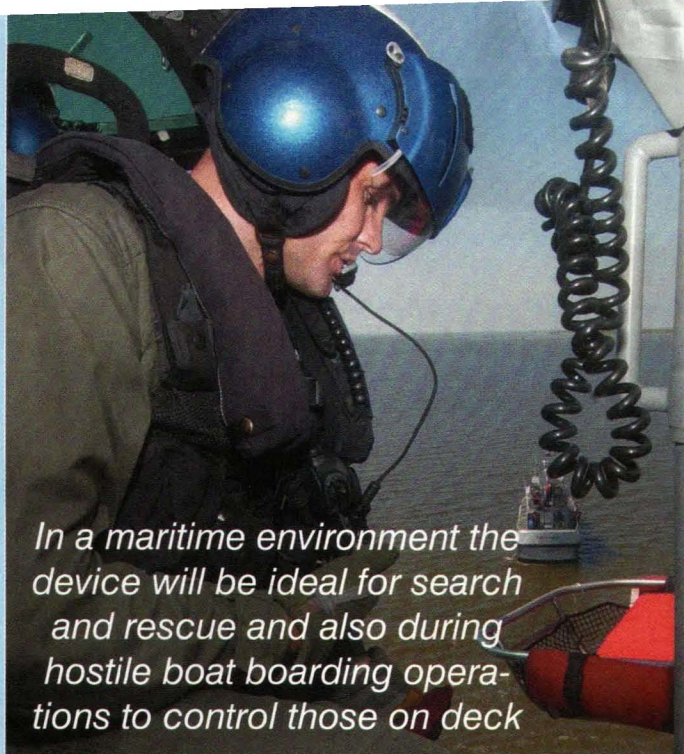
fantastic illumination at great distances, but also any reflections from the beam make it appear to reach further. In a maritime environment the device will be ideal for search and rescue and also during hostile boat boarding operations to control those on deck. The target crew will be partially blinded and by virtue not be able to see the boarding party behind the lamp.

Search & rescue teams on land, operating in the mountains, open moorland or in caves will find this useful as one person with a Polarion takes the place of two or three others with smaller flashlights.

MILITARY APPLICATION

A searchlight can be a double-edged sword because it identifies where you are (the user) but the range of this can give you the edge, especially with an infra-red filter. Covering border crossings and vehicle checkpoints can be done from a distance especially if there is a risk from hostile small arms fire. I am sure the forces operating in the caves of Afghanistan at this moment in time could do with a few Polarions if they haven't got them already.

I read some of the trial reviews on the company's website from US Special Ops personnel who had field-tested it almost to destruction. They found it still worked after dropping it 250 feet from a helicopter, freezing it in liquid nitrogen and then heating it up to 130 degrees. That is some test. I just took it out on to the rolling hills of the Yorkshire Dales and I don't think the local rabbits or local wildlife were too impressed! When they see me coming now the animals break out the Ray Bans - and I definitely won't be



In a maritime environment the device will be ideal for search and rescue and also during hostile boat boarding operations to control those on deck

Helios PH40



Waterproof, Shock-Isolated Carrying Case
High Intensity Discharge Lamp
Lamp Output: 4000 lumens with High Efficiency Reflector
Lamp Life: 2500+ hours
Run time: 90+ mins per rechargeable Li-Ion Battery
Cartridge-style battery (enabling easy swap)
Fast charging time: 4 hours to fully charge one battery
Universal A/C Charger (90 - 240V) Included with Purchase
Waterproof to 200 Feet
Locking magnetic switch
Weight: Approx 4 lbs.
Length: 12" Largest Front Diameter Approx 3.3/8"
Rear Diameter Approx 2. 7/8"
Centre Section Easily Palmed 1-Handed
Aerospace-Grade Aluminium Body and Bezel (6061 T6) -
Flat Black Type III Hard Anodized Finish
Tailcap and Carrying Handle - High Impact Resistant Composite

taking this on any journey through a Paris tunnel.

Two criticisms which I hope are constructive for the team from Polarion. A tailored soft-padded case would be very useful, especially if there are occasions when it will be carried in a rucksack. If you don't have a protective case, it could get wrapped up in a camouflage net or a fleece and that's not the way to treat an expensive piece of equipment that might save someone's life... or your own.

The other point is the switching mechanism. It is very easy to operate by turning a custom metal ring or band around the body of the torch just behind the lens. I felt that the friction was not tight enough and imagined it being placed in a rucksack or a bag and accidentally

switching itself on. Not only would this drain the energy-sapping battery but its also very likely to create heat and start a fire as the lens does get quite hot. There is also the problem of it being switched on accidentally at night which would not be amusing if you get hit "square in the eyes", it would really hurt. Therefore, I would like to see a second "safety" switch for those reasons mentioned. It would also be good to see a version that supports trimming of the beam to convert it from wide to narrow. However, this might defeat the object and intention of the Polarion.

I definitely give the Polarion the "thumbs up" with both hands. It is probably the most powerful hand-held torch (searchlight) I have ever used and come across. I wish the team at Polarion luck in getting it out there to the right people.

For sales information contact:
Donald Sims 503 758 8727 (cell)
or sales@polarion-usa.com

International: 503 489 5497 USA
USA Toll Free: 866-901-4437

For further information visit:
www.polarion-store.com

And finally, it's a shame the Polarion was not around in 1940. Given to every household in London, Coventry and other bomb-ravaged cities, it would have augmented our air defence sites!





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RANGE OF SURVEILLANCE
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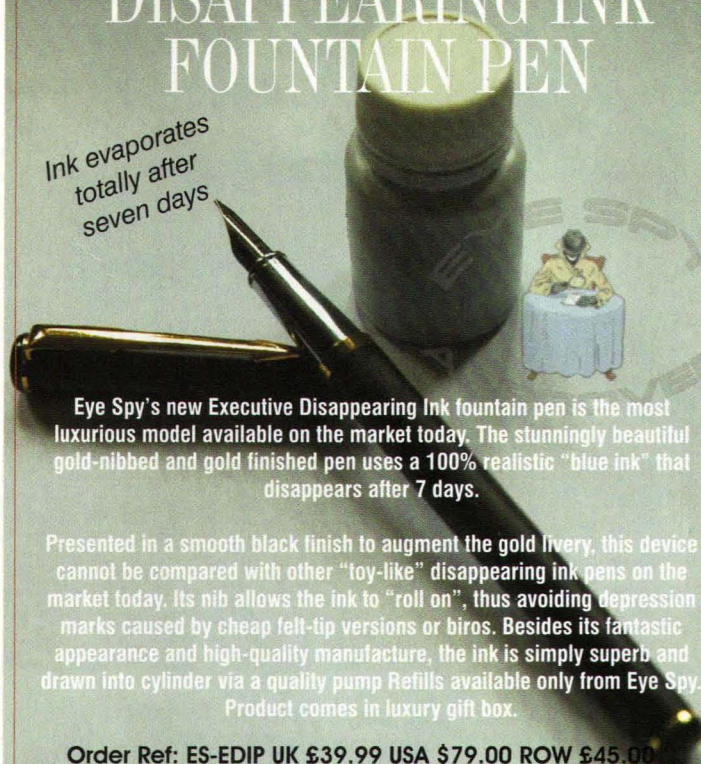
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NEW

EXECUTIVE DISAPPEARING INK FOUNTAIN PEN

Ink evaporates
totally after
seven days



Eye Spy's new Executive Disappearing Ink fountain pen is the most luxurious model available on the market today. The stunningly beautiful gold-nibbed and gold finished pen uses a 100% realistic "blue ink" that disappears after 7 days.

Presented in a smooth black finish to augment the gold livery, this device cannot be compared with other "toy-like" disappearing ink pens on the market today. Its nib allows the ink to "roll on", thus avoiding depression marks caused by cheap felt-tip versions or biro. Besides its fantastic appearance and high-quality manufacture, the ink is simply superb and drawn into cylinder via a quality pump Refills available only from Eye Spy. Product comes in luxury gift box.

Order Ref: ES-EDIP UK £39.99 USA \$79.00 ROW £45.00

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SPYFINDER hidden camera detector/locator must rank as the most reliable and easy to use technology on the market for making sure you are not being watched. Ideal for defeating hotel and office snoopers. Its function is based on the principle of optical augmentation. Simply scan the room and hidden cameras return the beam which resembles a flashing pulsating light.



Fits snugly in purse, wallet or pocket. Battery operated - easy to use

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UK £79.99 USA \$135.00 ROW £110.00

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Super amplified shotgun microphone with fantastic sound enhancement and noise cancelling, recording jack, camera mount and superior Sony earphones. All cables included. Quality product comes in hard-plastic carry case.



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This highly rated product is one of the best anti-burglar-intruder systems available today. Simply turn on (no installation required) and the realistic dog bark sound increases as its internal radar senses someone approaching the door. Bark gets louder as person nears door. Going on holiday or just going out? Protect your home, family or office with this superb security system.



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New to ESPL's equipment range is this smart innocent-looking working biro - complete with one of our most powerful UHF transmitters. Unit can be used in overt or covert fashion - and has a range of around 900ft. Use with any Eye Spy receiver.



Image light-blasted to show microphone 'A' flag channel sticker removable

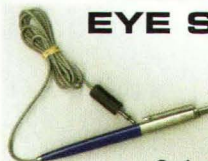
NEW

Order Ref: ESU-PT UK
£250.00 USA \$495.00
ROW £275.00



Leave on desk, shelf, carry in pocket or even give to target!

EYE SPY PEN MICROPHONE



Contained inside the ordinary pen is a powerful microphone. Simply plug the lead into a recorder and record any conversation without the worry of trying to hide a body-worn microphone. Can be hidden in a desk etc.

Order code: L-PN1 UK £25.00 USA \$48.00 ROW £28.00

HOMEGUARD

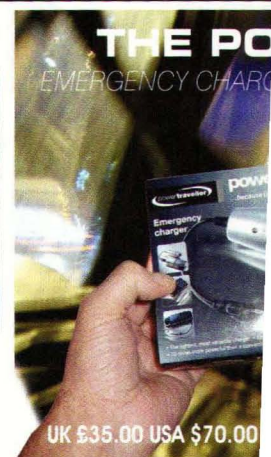
Personal security digital video recorder. Homeguard is a simple but dependable security surveillance system that requires no wiring, software or exterior power source. Simply place where you require video footage. It will record continuously or take snap shots at given intervals. Looks just like an air freshener/purifier. For a full review of this fantastic product see Eye Spy 41 or visit www.eyespy.com



UK £249.00 USA
\$325.00 ROW:
£260.00
Order code:
TX-HOMEGUARD



THE PC EMERGENCY CHARGE



UK £35.00 USA \$70.00

VIDEOTEK CAMERA FINDER LOCATE AND VIEW ANY SECRET CAMERA

Wireless camera hunter locks-on to any wireless video camera and displays the transmission on its built-in screen. Automatically scans all the commonly used video frequencies in less than five seconds and locks-in on any video camera transmitter. Besides displaying what the covert camera sees, it also sounds an audible alert tone. Selectable antenna sensitivity allows lock-in on sources up to 500ft away (depending on power of source transmitter). Durable all-metal case. Eye Spy recommended for countermeasures.

SAVE
25.00 - \$50.00

UK £399.00 USA \$695.00 ROW: £420.00 Order code: TX-VIDTEK
EYE SPY SUBSCRIBER PRICE! Offer ends 30 October 2007

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EYE SPY SEED MICROPHONE



Seed microphone so small it can be concealed anywhere - hide in a car, under door, bag, sleeve, belt etc. The length of lead is 36 inches - but we can customise this for you - £1.00 (\$1.75) for every additional 12 inches. The microphone head is just 5mm in width

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SPY PEN ONLY

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Locates virtually any type of transmitter due to the high frequency coverage area. LED display, comes with crocodile attachment to check for telephone bugs within 5 metres of the connection point. Uses PP3 battery.



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red/blue/white lights
PC8 OUTDOOR
red/green/white lights

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COVERT BLACK ECONOMY

HIGH-QUALITY COVERT CAMERA AND AUDIO
RECORDER PLUS COLOUR DISPLAY



**SUBSCRIBERS
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RAMSTEIN AND 9/11



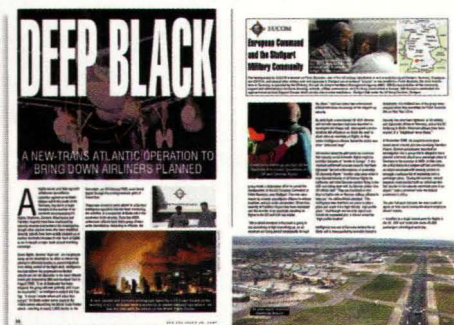
As exclusively reported several months ago in Eye Spy, members of al-Qaida planned to commemorate the anniversary of 9/11 by attacking US facilities in Germany. Our sources correctly revealed in early July, Frankfurt Airport and other US military sites, including the important Patch Barracks, headquarters for the European Command (EUCOM), were being surveilled by terrorists. In September, German security services swooped on an holiday home arresting three prominent members of an al-Qaida "inspired" terror cell. German federal prosecutor Monika Harms said the men - all in their twenties - and identified as Daniel S, 22, Fritz Gelowicz, 28 and Aden Y, 28, had trained at camps in Pakistan and already procured some 200 gallons of concentrated hydrogen peroxide for making explosives - the same sort of material used by the London 7/7 terrorists. "This is really a good day for security in Germany," she said. Some commentators called it a "wake-up" call for Germany.

In issue 49, Eye Spy revealed that over the summer months, German officials had questioned several suspects in connection with terrorist reconnaissance of US facilities and Frankfurt Airport. It has now been confirmed that one of the three men arrested on 5 September, was one of the original detainees. On 31

Germany's elite GSG-9 anti-terrorist unit carried out the raid resulting in the arrest of three suspects central to the plot

Left: 16 August 2007 - US military police at Ramstein AFB check credentials at the massive base. Security has been increased since German and US intelligence combined to foil what promised to be a "massive bombing campaign" against US targets

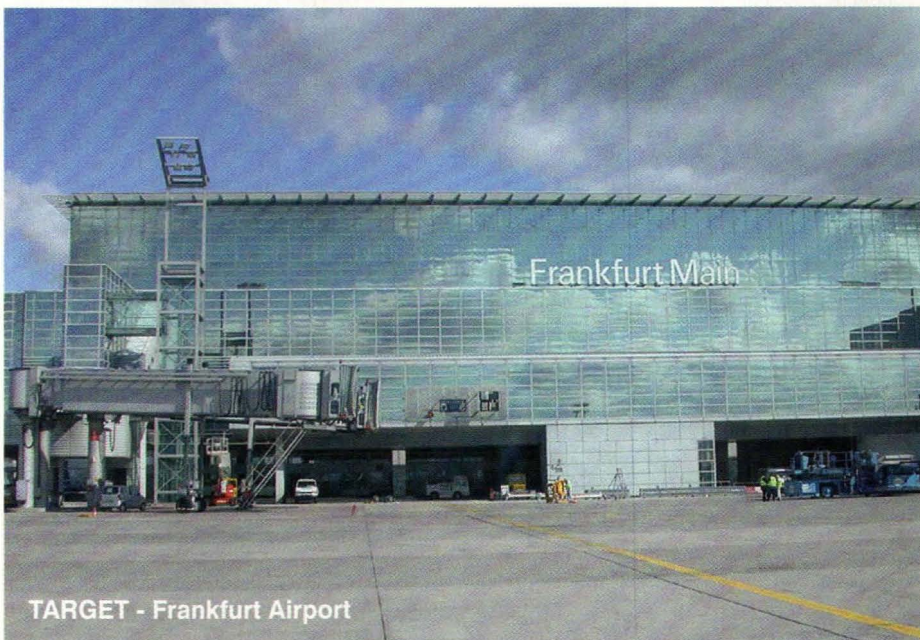
December 2006, he was spotted in a vehicle driving suspiciously slowly outside the Hutier Barracks in Lamboy, part of the massive US Army military installation - Hessen-Hanau (near Frankfurt) - one of the largest military communities in Europe. When asked to explain their actions - the men said they "wanted to see how Americans celebrate New Year's Eve." They were released without charge. This was probably a deliberate security act intended to expose other members of the terror cell. At the same time, NSA started monitoring Gelowicz's e-mails - but were initially confused as they were being sent to an 'Abdul Malik'. It later transpired Malik was in fact Gelowicz.



Eye Spy's report - issue 49

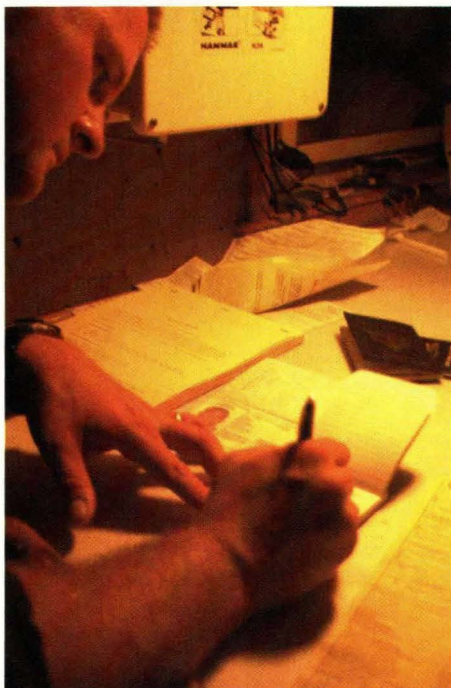


TARGET - Ramstein AFB



TARGET - Frankfurt Airport

HORIZON



A week later, officers from the BKA searched Gelowicz's Ulm apartment - though few details of what was actually found have been released. Nevertheless, evidence grew that the authorities had stumbled across a sleeper cell.

US security guards also monitored a vehicle close to Patch Barracks near the city of Stuttgart. Further undercover operations involving the CIA and BND - Bundesnachrichtendienst (Federal Intelligence Service), exposed an operational terror cell with as many as 15 members and links to the Far East.

Eye Spy researchers first learned of the undercover investigation after sources revealed an increased presence of air marshals on flights leaving Germany. "When two or three marshals ride in aeroplanes it's usually a signal that the authorities sense something," said a security consultant. It

CIA surveillance officers tracked the German terror suspects to al-Qaida training camps in Pakistan

Monika Harms:

"This is really a good day for security in Germany"



didn't take too long to link German news snippets that covered earlier arrests, suspicious sightings around base perimeters, and an announcement saying there was increased security measures being introduced at major German airports.

THE RAID

On 5 September, heavily armed officers from Germany's crack GSG-9 anti-terrorist unit detained two of the suspects as they sat on the balcony enjoying the sunshine. The two-storey rented holiday home in Oberschledorn central Germany, had been completely surrounded by armed police. The house

had been under surveillance since 17 August - officers patiently awaiting the suspects arrival. This indicates German intelligence had inside knowledge of the men's movements. During the raid, one man did escape through a bathroom window. He was tackled by a police officer but the fleeing suspect managed to grab his firearm and shoot him in the hand. He was instantly arrested by fellow officers who had thrown a wide cordon around the house. The raid was authorised after a surveillance team confirmed that the gang was moving "suspicious containers" to another location where they had hidden military-grade detonators. It later transpired the detonators were manufactured in Syria.

Forensic specialists said the containers held a large amount of 35 percent solution of hydrogen peroxide. At the same time, 40 other addresses throughout Germany were searched.

THE SWITCH

Other materials in the house, including code-names, addresses, contact points and telephone numbers were also found. Two laptop computers were taken away. However, it is believed German intelligence had already discovered the gang's supply of the liquid as early as June - hidden in a garage somewhere in the Black Forest. On a trip to Hannover to purchase the chemical, undercover officers



For personnel using Ramstein the security is about as tight as it gets

had managed to fit a tracking and listening device in Gelowicz's car. At some point, police had secretly drained the hydrogen peroxide and exchanged it with a harmless substance. The terror suspects, unaware of the switch, continued their plotting in earnest. Police believe that this was intended to be mixed with

other materials to produce a bomb with the explosive power of 550 kilos of TNT. Officials said the bomb would have been three times as big as that used to destroy the FBI building in Oklahoma.



Ramstein's main control tower

COURTESY: USAF VIA RAMSTEIN AFB GERMANY



Joerg Ziercke (above left), head of Germany's Federal Police Crime Office (Bundeskriminalamt - BKA) confirmed the cell was exposed following a reconnaissance operation. "The three men - two German converts to Islam and a Turk were seen observing an American military base in 2006," said Ziercke. He also made reference to the size of the planned bomb. "This would have enabled them to make bombs with more explosive power than the ones used in the London and Madrid bombings."

Once the three men had fallen under the BKA's radar earlier this year, the CIA helped track the suspects to a number of terrorist training camps in Pakistan controlled by members of a group calling itself Islamic Jihad Union. The group has known ties to al-Qaida operatives in Uzbekistan.

The arrested men had apparently no source of income other than their unemployment benefit. However, the BND and officials from the BMI - Bundesministerium des Innerns



NSA Targets Cyber Terrorists

WASHINGTON: The world's most secret intelligence service - NSA - is set to start wielding its power on home soil. A new programme run in conjunction with the Dept. of Homeland Security, will be enabled to thwart attacks on government, business and private Internet communication networks by cyber terrorists, hackers and others intent on espionage. Little is known about the highly classified operation, other than its

code-named CI - or 'Cyber Initiative', but critics of the NSA have already started to moan it will mean examining records and Internet traffic of US citizens. The programme is said to involve 2,000 personnel from NSA and other agencies. Because of its domestic role, the NSA's charter would need revising.

The NSA was caught up in the 2005 "warrantless spying

programme" which saw some suspects allegedly monitored. Despite a vast majority of US citizens supporting the programme, it was shelved on privacy grounds. "If you're going to do cyber security, you have to spy on Americans to secure Americans," said one former government official familiar with NSA's operations. "The CI would be a very major step."

Peru Meteor=US Spy Satellite=Disinformation

MOSCOW: Pravda reported that Russian military intelligence analysts believe the mystery crater in Peru that apparently made dozens of locals ill, was in fact one of the United States most secretive spy satellites, the KH-13. Journalists even conjectured that the satellite was destroyed by a renegade unit at the USAF 30th Space Wing located at Vandenberg Air Force Base in California as it manoeuvred to target Iran! Moscow scientists were told what fell to earth was the satellite's main power generator powered by the radioactive isotope Pu-238. Officials from various scientific bodies, however, said none of the visitors to the crater was suffering from radiation poisoning - as reported in Russia.

Russia's Spies on the Move

LONDON: At least 30 members accredited to the Russian Embassy in London are actively engaged in espionage or other activities, according to Whitehall sources. This is about the levels seen during the height of the Cold War. Other officials are using agents and supporters to monitor and report on the activities of exiled Russians such as Boris Berezovsky (pictured), the billionaire and outspoken critic of President Vladimir Putin. In July, Britain expelled four Russian diplomats in response to

Moscow's failure to hand over a key suspect in the assassination of Aleksander Litvinenko. It is believed the four were members of Russia's SVR - the agency tasked with gathering foreign intelligence.

It's not just Britain who is complaining about Russian spy activities. Michael McConnell, head of US National Intelligence, told the House Judiciary Committee that additional [security] measures are still needed, not least because there



has been an "increase in spying activity from Russia and China." He too compared what's happening in the United States to the old "Cold War days when KGB officers pounded the streets of Washington.

Head of Counter Terrorism Command to Retire

LONDON: Following careful consideration, after more than 30 years service in the Metropolitan Police and some five years in his current role as well as National Co-ordinator of Terrorist Investigations, DAC Peter Clarke has decided to retire from the police service on 31 January 2008. Reluctantly, the Metropolitan Police Authority and the Commissioner have accepted his decision.

Mr Clarke has been the public face of Britain's fight against al-Qaida, and was a calming influence during moments of great tension.

He led the investigation into the terror attacks on London in July 2005, quickly identifying those responsible. He was also in charge when Princess Diana was killed in a car crash in Paris on 31 August 1997.



Commissioner Sir Ian Blair, said: "DAC Peter Clarke has performed outstandingly. His contribution to the fight against terrorism has been truly significant."

Ramstein AFB: A student attempts to manoeuvre a vehicle through a slalom obstacle at an anti-terrorism driving course held on the base earlier this year. The training is an intense, one-day course teaching students how to recognise and respond to threats while behind the wheel.

The course is taught by the AFOSI Detachment 501 - Joint Protective Services Detail



Brigadier General Richard C. Johnston is the Commander, 86th Airlift Wing, Ramstein Air Base, Germany. Following the terrorist scare - Ramstein's senior commanders have introduced new security measures, including the erection of a plethora of surveillance cameras around the base



August Hanning - "Attacks would have been greater than London and Madrid..."

(Interior Ministry), are liaising with UK officials to establish if they - or other members of the terror cell, received financial aid from associates in London and elsewhere. Renting holiday homes, lock-ups, vehicles and purchasing bomb materials costs money. And though the German benefit system is good - it doesn't pay that well. Detectives are certain the gang received financial assistance.



9/11 HORIZON

Most of the gang's targets inside Germany were American. "This group distinguishes itself through its profound hatred of US citizens," Ziercke said sat alongside Harms at a press conference. Behind them - acting as a menacing backdrop - a number of the large blue containers police had seized containing the hydrogen peroxide. Officers believe the attacks were to coincide with the 6th anniversary of 9/11. As for the proposed bombing of Frankfurt Airport - this was to be a "lesson" for Berlin because of its wider support for Washington in Afghanistan and the general war on terrorism.

INVESTIGATION

Deputy Interior Minister August Hanning, former head of the German intelligence service BND, confirmed that at least 10 other suspects are being sought. Germans, Turks and other nationalities who acted as 'bag men', recruiters, couriers etc. have all been

The terror gang made monthly visits to a supplier of hydrogen peroxide in Hannover - numerous large containers were purchased. What the gang did not know is that they were being surveilled



TALKING CODE:

Eye Spy understands many e-mails sent and received by the sleeper cell were "concealed" in a "complicated code" - made more confusing by the fact they were often written in different languages. However, a number were deciphered. Contacts in Pakistan asked if the 'GIFT' had arrived - presumably money. Notable words such as TRAINEE and WEDDING were references to meetings and other gang members willing to help the group. In some instances messages confused codebreakers from the BKA, NSA and CIA. Dozens more still have to be broken before the suspects' trial begins. Other e-mails will undoubtedly lead to the arrest of peripheral operatives and perhaps even more cells.

identified. A number have been detained though several have fled the country and are on the run. Most of the gang received training in Pakistan though it is believed the German converts were being groomed to breach security and deliver the bombs in three vehicles.

In the last few years al-Qaida has set in motion a programme to recruit "white - European-looking operatives". Many of the



BKA headquarters Germany



This recent photograph of Ramstein AFB shows building work in the distance. The new apartments are for US personnel and their families. Had the terrorists breached security and detonated the car bombs - casualties would have been significant

trainees travel to the terror camps from Europe - on holiday visas. It's evidence enough that al-Qaida has established a secure 'route to the east' and has rebuilt many of the remote facilities it uses to train operatives in the art of bomb making, anti-surveillance and money laundering. Many of the recruits, and especially couriers, are provided with false identities and finance.

Al-Qaida's use of peroxide-based explosives is well known. The terror manual which instructs

operatives shows how it can be easily assembled from materials available at chemists and other outlets, and provides confidence to the terrorist by announcing "it is impossible for the for police to detect".

Another firm favourite is triacetone triperoxide, or TATP. This can be made from household goods such as nail polish remover and hydrogen peroxide by concentrating the solutions and mixing them with other ingredients. The problem for would-be bombers is that the resulting mix is highly unstable and can detonate at any time. Examining the hands of suspected bomb-makers is one of the first tasks anti-terrorist police conduct in Israel. A hand minus a few fingers is a tell-tale sign that the person has at some time dabbled in bomb-making.

END GAME

In April 2007, German intelligence advised their CIA colleagues that the terror cell had rented the house in Hanau - close to the US base. From that moment on, a 300-strong task group planned for the successful conclusion of this most complex investigation.

On 20 July, a surveillance team followed Gelowicz and Adem Y. to the northern German city of Hannover. Here he purchased more chemicals. It was the terror cell's fifth such purchase of hydrogen peroxide in total - one every month since February - and every one monitored. This was to be the gang's last shopping trip.

HESSEN: The US Army Garrison Hessen, is headquartered in Hanau, Germany. It is comprised of the Hanau Community, USAG Wiesbaden in Wiesbaden, USAG Baumholder in Baumholder and USAG Giessen in Giessen, providing support to approximately 45,000 troops, family members, civilian employees as well as a large community of retirees who live, work and train within the USAG Hessen area of operations. The USAG Hessen is strategically situated for deployment of US forces by rail, road, air and waterways.



RAMSTEIN: Part of the Kaiserslautern Military Community, Ramstein Air Base serves as headquarters for US Air Forces in Europe (USAFE) and is also a North Atlantic Treaty Organisation (NATO) installation. Ramstein is located near the town of Ramstein, in the rural district of Kaiserslautern, Germany. Besides Americans, the installation's population is comprised of Canadian, German, British, French, Belgian, Polish, Czech, Norwegian, Danish and Dutch forces.



- On the eve of the sixth anniversary of 9/11, the US air base at Spangdahlem in Germany, was put on high alert after an anonymous telephone call was received by the authorities saying it would be attacked. The caller spoke with a Russian or Turkish accent, and said he and "four friends" would "bomb the base". German police are unsure if the threat was genuine or the work of a hoaxer. The US has 64,000 active service personnel in Germany.

MAGIC AND ILLUSION

Continued from page 31

be singled out for "special attention" thus we collapse inwards and our persona, personality and demeanour changes dramatically. Suddenly even senior staff shirk responsibility - not always - but being responsible for staff doesn't extend to losing your life.

In the undercover world of disguise, trying to utilise this "effect" purposely, and to one's greater advantage, is part of the training programme. If you can merge with your surroundings better than others, then this will impact on your ability to use disguise to deceive. Perhaps the only danger is over confidence.

CONTEXT AND STEREOTYPING

Hiding in plain sight is a phrase used often in the intelligence and security world. Fully fledged field officers (spies to the opposition) assigned to diplomatic posts in overseas embassies can operate with some protection and do not necessarily need a disguise. They may, from time to time, use a decoy to reach a destination, dress unfamiliar to confuse, change a routine etc., and employ doubles to outwit their opponents. At the very least, it keeps an adversary on his toes. They are experienced intelligence collectors - and it is rare to find men and women belonging to a band involved in disguise techniques - though it does happen. During the Cold War, CIA and MI6 case officers played a game of 'cat and mouse' on the streets of Moscow, Berlin and other cities. But far from using equipment and gadgets more suited to the silver screen, these people also used cunning and common sense... and the odd disguise.

Technicians, engineers and representatives working for an overseas company can also venture into places on interest, but they too attract suspicion from counter-intelligence and espionage services. The industries they represent can be problematic to a host nation. In recent times, more and more espionage is being conducted by students from foreign lands - infiltrating universities, places of learning, defence contract firms etc. In time, many of these persons will end up at high-end - high-tech institutions and companies. The results for a host nation can be disastrous. China is one country at the leading edge of using students to gather intelligence. Iran is another.

People occupying such positions are monitored for breaches in security, and "hiding in plain sight" does not necessarily mean they can act with impunity all of the time. On the other hand,

few would suspect a waitress serving dinner at a leading city hotel frequented by dignitaries, politicians and business people. This is stereotyping at its best. Persons performing everyday tasks, wearing the "uniform" of non-threatening industries, a hall porter, bus driver, postman, shop assistant, nurse, doctor, telephone engineer, courier, petrol attendant, hall porter etc., actually blend into our world. We know and expect to see them all at some time in the day, harmless uniformed service workers performing essential jobs.

For those charged with training operatives in disguise techniques, the aforementioned job list is of great value, and a physical disguise is rarely required to complete the illusion - *it is already there.*



Many contractors working abroad do so under assumed names



Creating a new personality and sometimes a brand new identity is an essential element of disguise - especially if the work is overseas and covert

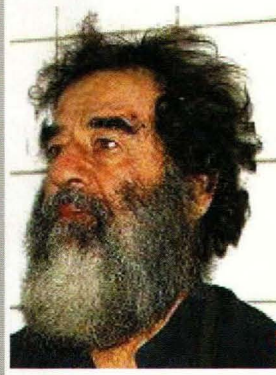
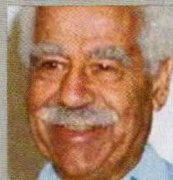
SADDAM HUSSEIN - CHANGING FACES



During the hunt for Saddam Hussein, US defence officials issued a number of photo composites showing what the Iraqi leader might look like if he tried to change his appearance.



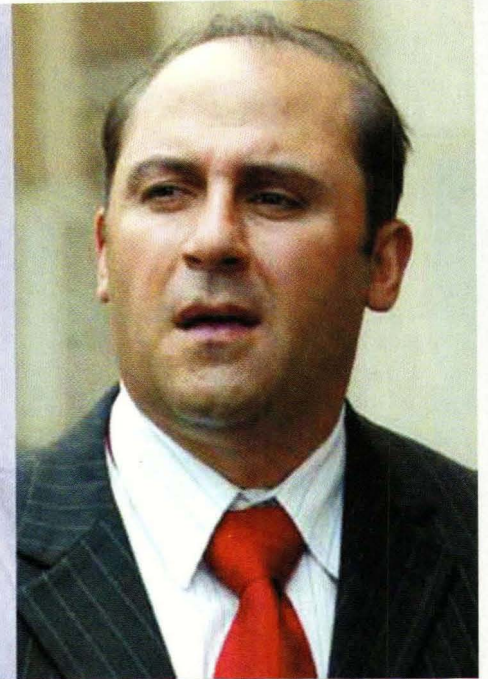
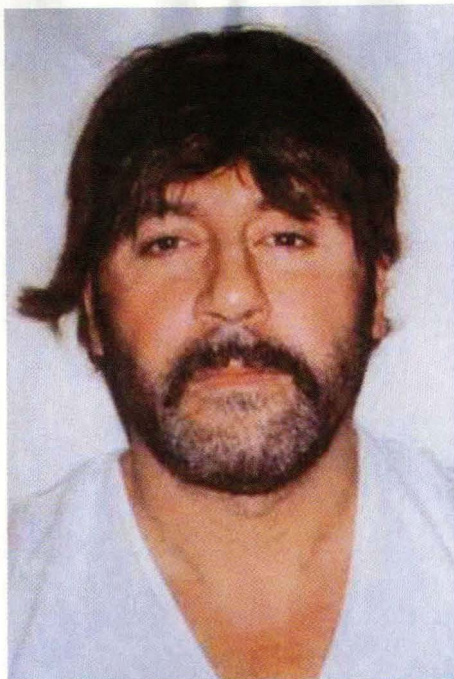
In previous photographs Saddam was usually clean shaven with a well-groomed, but thick moustache (top). In the end, the photo taken immediately after his arrest was that of a broken man (below).



MIRROR IMAGES - DRESSING UP

When tasked with a specific job, for example, the monitoring of a handsome office worker suspected of espionage, the operative must first learn role play and duties. Finding employment for the agent is the first hurdle to overcome. However, if national security is involved few establishments big or small, would be ill-advised not to cooperate. A degree of knowledge of the job is essential in that the target may become inquisitive if too much attention is being paid to him or her. Acting and the ability to deflect difficult or awkward questions is another element of disguise. It must never be underestimated. A quick response, be it verbal, body language or other is crucial. Similarly, being able to see and understand the target's behaviour, their routine, time keeping etc. must be taken into account. Tiny clues might emerge like ruffled dress wear, an unshaven face - perhaps indicators of a long night... or a covert 2.00am meeting. Acting to befriend a person might put the operative in a position to ask personal questions - embed themselves into their life. It's one reason why intelligence services still use "honeypots"... though this type of agent is chosen through positive discrimination - for obvious reasons. In this case, the art of disguise would probably not suit "Mr average or Mr nondescript", though it can't be ruled out.

Training operatives for such duties means "looking inward" first. Seeing yourself as others see you. However, with a little help from the trainer's "box of tricks" - anything is possible. Confidence and knowing yourself is just as crucial in the art of disguise.



Tony Mokbel's Bad Wig Day

ATHENS: In May 2007, after 15 months on the run, the Melbourne gangland fugitive, cocaine smuggler and murder suspect Tony Mokbel was captured whilst, police allege, running a major drugs operation from Greece. Police arrested Mokbel in the affluent seaside suburb of Glyfada where he was heavily disguised and allegedly had a fake passport and driving license. The extremely rich and cunning underworld figure is shown in these two police photographs - in one - wearing a dreadfully ill-fitting wig. Mokbel was a terrific disguise expert and always had a new identity tucked away in his briefcase. He fled Australia disguised as a Moronite priest. He used other disguises and cover techniques to avoid capture in Malaysia, Turkey, Colombia, South Africa and Cairo.

Police are still puzzled why the crime lord didn't make a bigger effort to conceal his identity in Greece. True - he grew a well-trimmed beard and moustache and dressed like a local, but there was a major problem. After he arrived in Athens, he teamed up with some folk, bought a shipping company and continued his lavish lifestyle. He then purchased an ill-fitting wig. When the authorities found the wig they simply could not believe it. Perhaps more bizarre, is the revelation that his girlfriend was a hairdresser.

But confidence can be a problem for many operatives. For a professional service, weeding out those not up to the task is essential. What's the point in training someone for twelve months who is brilliant at changing places or changing appearance, if he or she falls apart when questioned or ends up in an awkward position or environment. To help alleviate nervousness, operatives are invited to describe themselves and relate initiatives that they believe would change their persona and appearance. Some people make abrupt gestures, sweeping hand movements, are loud or quiet. Altering any part of you can be a useful disguise. We all know "something is wrong" when a happy-go-lucky person sits quietly and is subdued. It's like two different people - changing of the character - all without the need of a make-up artist. Mastering and utilising these normal reactions is a key element in disguise.

It's bizarre but true, and probably a good thing - the world does not see what you see in the mirror. This also applies to your voice. Sound is a vital element of disguise and can be used effectively on its own or in combination with other techniques. Sound allies behaviour and is a useful component of disguise.

Ultimately, being able and knowing when to converse, augments the mental preparedness of an agent engaged in disguise techniques. To help see ourselves as others do, recruits will be recorded performing ordinary tasks. Once fully conversant with themselves, they are asked to change simple aspects of their appearance, behaviour, speech, loudness and persona. The results can be dramatic - like bumping into a person you haven't seen for twenty years.

QUICK CHANGE DISGUISES

Tuesday 1.30pm - Athletic white man with black hair and grey beard commits murder. 3.00pm - Police issue said description to investigators and public. 4.00pm Murderer visits barber dies hair blond - shaves off beard and purchases walking stick and sling for "broken" arm effect. It's one reason why police insist on caveats when issuing descriptions about a suspect - they realise that even dumb criminals make the effort to disguise themselves. Descriptions issued are basic. As further information is gathered, they may become more complete and detailed.

• In part two *Eye Spy* looks at techniques used to change an appearance... wigs, glue, blusher and nicotine required...

The world has become addicted to computers and information technology. In 2006, investment in computers and information technology topped \$725 billion in the USA alone. With such a global dependence on computers it's no wonder they have become a prime target for attacks by crime gangs, terrorists, foreign intelligence services, the military, and individuals intent on mischief.

However, the greatest security threat faced to any organisation is sitting in the office right now. It has the ability to bypass perimeter controls of the network and has already gained access to its infrastructure. The insider threat... internal users who violate trust and conduct malicious activity. Such persons can cause irreparable damage to an organisation's information systems, business operations and reputation. At the very least, it can be an expensive mess to sort out.

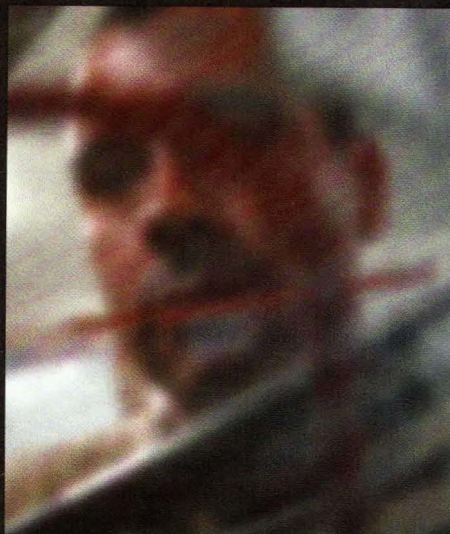
SEVERITY OF THE THREAT

Insider threats have a significantly higher degree of risk than external ones because the user has knowledge of operating systems, log-on procedures etc. A recent survey revealed five percent of businesses admit unauthorised access to a system area has occurred - internally. Even the US Department of Defense admit having unauthorised accesses. Insider attacks account for between 61% and 80% of all computer attacks - dependent on which study you believe. Either way, the figures are alarming.

The insider threat poses significant problems to any nation's security and economy. Studies reveal some organisations lost between \$1 million and \$5 million from individual attacks.

CLASSIFICATION OF INSIDER THREATS

There are three classifications of insider threats. Each class of insider threat has their own unique characteristics but all of them share certain privileges that make them extremely dangerous.



1. The **Privileged Insider Threat** [P.I.T.] is a current employee of an organisation with a valid user account for the system's information.

2. The **Privileged Outsider Threat** [P.O.T.] is a party given privileged access typically associated with insiders. The P.O.T. would include consultants, temporary employees, third party service providers, contractors and many others.

Companies are increasingly relying on outsourcing work because of a shortage of technical staff and to lower cost. Many times the P.O.T. is a higher risk than that of privileged insiders.

3. The third class of threat is the **Package Developer Threat** [P.D.T.]. This is a programmer working for a software vendor on a software product used by businesses and government agencies. The P.D.T. can insert 'back-door' or malicious code in the application that provides them future access.

Canadian intelligence agency CSIS, state existing standards for software evaluation do not adequately address the use of foreign produced software or the potential risk of the insertion of malicious code.

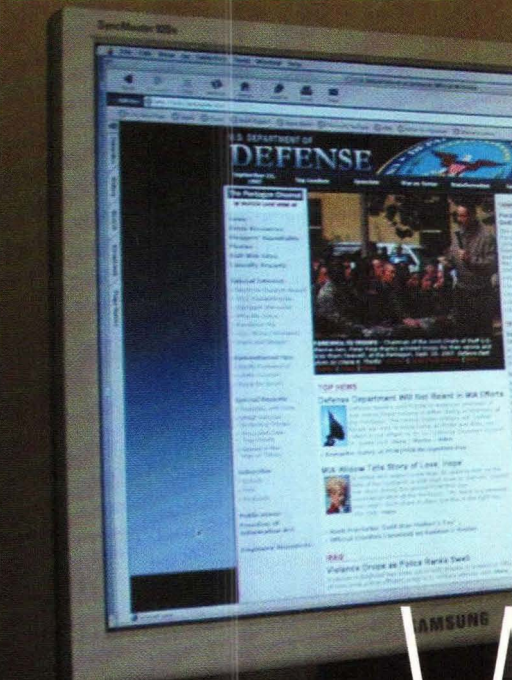
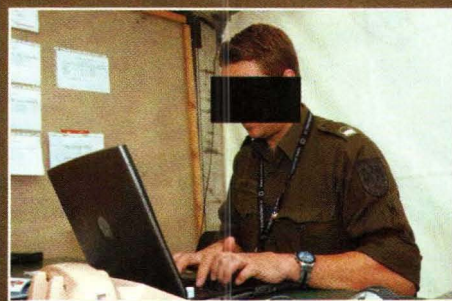
These three groups have privileges and knowledge that places them far ahead of conventional hackers. Most attacks are launched from "behind the firewall" therefore bypassing layers of security.

INSIDER THREAT MOTIVATION

Discovering their motivation can help detect their activities. There are four unique motivational factors (only a few insiders have exhibited multiple factors), falling into four categories.

The Challenger

These people do not regard their actions as wrong or destructive. It's a game and challenge - the "I'm smarter than you" complex. They have



The Enemy V

Insider Threats

By Kevin Coleman

patience, skill, and tactical and strategic thinking. Attributed to such individuals: reading colleagues e-mail, visiting unauthorised areas; accessing sensitive data information or doing their own ad-hoc security/penetration testing.

The Avenger

Motivated purely by revenge. They are negative towards a company or individuals. They are more dangerous than the Challenger because they seek revenge. It's possible such actions are the end game of a long-simmering crisis. Sometimes the "early signs" are visible, sometimes they are not recognised.

Privileged outsiders (former employees with a grudge) are likely to hold a system hostage or hold information for ransom. In one known case, a company's entire database was encrypted by a disgruntled employee. A ransom note read... "try to crack the code or pay me \$1,000,000 and I'll give you the password". The company paid the money.

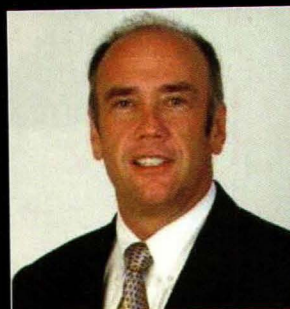


Intelligence analyst Kevin Coleman reveals why the biggest threat to organisations' reliant on computers often comes from an "enemy within"

A surprising feature that has a hidden warning for the intelligence world

The Traitor

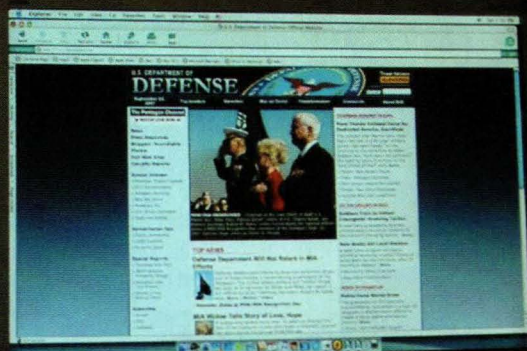
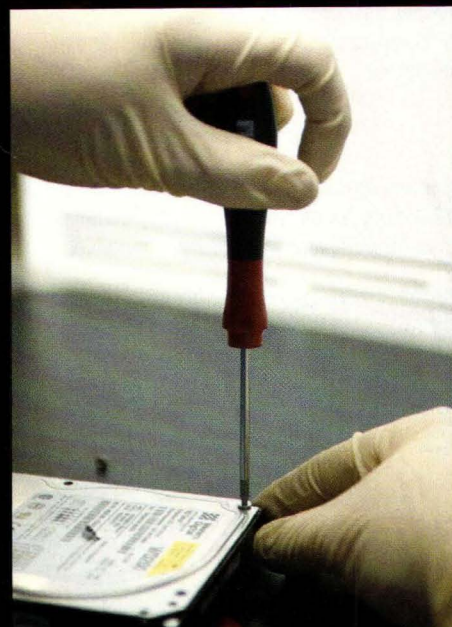
This new millionaire was motivated by money - like many traitors. They steal information for a third party who pays them. In most cases, these individuals volunteer to do this. They were not recruited from the outside. Characteristics include: living



above their means, "flashing the cash" or new luxury items and a *laissez-faire* attitude toward the organisation. They are often cold and uncaring towards the organisation.

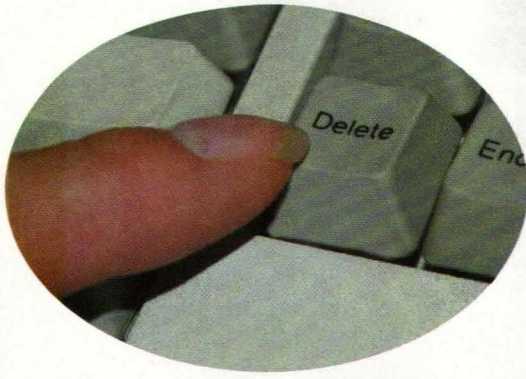
The Spy

By far the most damaging because they are usually trained professionals. Sometimes planted by competitors or foreign intelligence agencies for the sole purpose of espionage, the two most common characteristics in this class of insider threat are "antisocial personality disorders" and "narcissism".



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Learning and Understanding Intelligence



There are huge sums of money spent on studying behaviour patterns associated with spying and espionage. In one inter-agency project in the United States, a team of federal agents and government psychologists and psychiatrists interviewed many individuals who had been arrested and convicted of spying and espionage.

The problem for those in counter-intelligence and security is complex and challenging.

Protecting an organisation against insider threats requires careful planning and foresight. Research by the US intelligence community revealed current procedures do not adequately protect organisations from insider threats. That's why I believe the corner stone for protection rests in a new approach to security called - behavioural modelling.

RECENT CASE

A former government contractor was jailed for 12 months for sabotaging US Navy computers after his company's bid for another project was

not accepted. He confessed to programming malicious software code into computers that track Navy submarines in May 2006. Richard F. Sylvestre pleaded guilty to one count of damaging protected computers. The judge said: "If we can't trust people with active top-security clearance, where are we?" At the time, Sylvestre's Ares Systems, maintained computers for the Navy's 6th Fleet in Naples, Italy.

ESPIONAGE AND COMPUTER INFILTRATION

Many spy agencies are currently training their intelligence officers how to infiltrate organisations and exfiltrate computers including government networks, proprietary commercial information, and scientific research systems. That is why espionage has skyrocketed to a \$1.5 trillion-a-year problem and theft of defense technology is at an all time high.

DEFENSE ISSUES

Protecting against attacks requires more than a standard defence. Based on recent experience and research, detailed threat analysis has concluded that there are twelve dimensions to the insider threat model. A multi-level behavioural modelling approach incorporating realistic human behaviour models (HBMs) and system user activity modelling (SUAM) must be adopted into an integrated risk management framework.

Based on our research, effective pattern detection depends on the ability to correlate data,



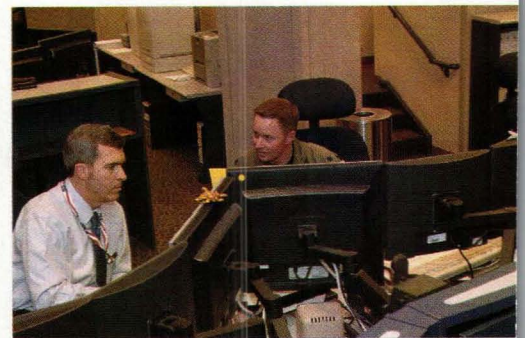
activities and events from different monitoring systems across the computer environment.

It is interesting to note that these techniques were used to develop the materials included in the highly popular *Terrorist Recognition* article published in Eye-Spy Magazine two years ago.

This behavioural model is based on twelve independent but interacting parameter spaces. Using a behavioural model as a tool for analysing the activity of insiders who have been granted information access privileges, you can identify principles of behaviour changes that represent a tendency toward hostile actions against the system or network. Once a pattern is detected, enhanced user monitoring can be applied and if necessary, an intervention conducted in order to reduce or eliminate the threat.

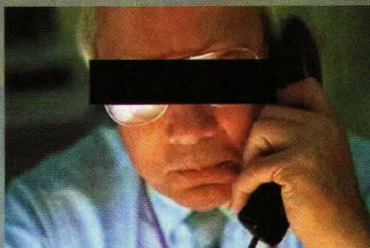
This model is based on current findings in behavioural psychology, relating the perception of personal emotional states to threats and actions.*

FACT: "Insiders aren't the most common security problem, but they can be among the most costly and the most damaging to a company's reputation. Insider attacks against IT infrastructure are among the security breaches most feared by both government and corporate security professionals." - Eric Shaw, a psycholo-



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The exam paper for Transient Electromagnetic Pulse Devices, along with previous tests can also be downloaded at www.eyespyimag.com

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- Part 10 - Financial Warfare (part 1 - issue 46 - part 2 - issue 47)
- Part 11 - e-Bombs Transient Electromagnetic Pulse Devices (issue 50)

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gist and former CIA intelligence officer who has studied insider threats for the past decade

FACT: An informal poll by the security industry found that more than 87 per cent of the corporate, financial, government and university information security managers polled believed: "Disgruntled employees were the most likely cause of data security incidents, ranging from sabotage, fraud and theft of proprietary information to unauthorised snooping in colleagues e-mail."

FACT: The risk of security breaches from within is often over-shadowed by more dramatic intrusions such as denial of service attacks, widespread viruses, or outright thefts of intellectual or financial capital.

FACT: The American Society for Industrial Security reported theft of intellectual property rose 323% over the last year. Some 74% of these security breaches came from "the inside".

FACT: Numerous studies suggest that insider threats account for a significant percentage of system breaches and also suggest that between 70% - 81% of all system breaches are traced back to privileged insiders. Dishonest insiders can exploit an organisation's vulnerabilities, commit identity fraud, and expose confidential information-for revenge, personal gain, or as part of a larger targeted threat.

FACT: Another study published by Pricewaterhouse Coopers showed that 33% of information security attacks originated from internal employees while 28% came from ex-employees and partners.

Conclusion

Security professionals have known for many years that the principal espionage threat to classified information comes from clever and devious insiders. Defending against such threats is a very difficult problem because insiders have legitimate access to a variety of areas and information resources. They can also misuse and abuse trusted status especially if they have a fair measure of privilege. New adaptive ways to protect our information assets are required in order to stay ahead in this fight to secure cyberspace. Advancement of the concepts and constructs presented here is critical to ongoing efforts to secure cyberspace, internal critical information infrastructure, the assets of corporations, and individual information held in confidence by organisations.

* A detailed description of behavioural modelling and defence procedures from Kevin Coleman's research paper can be acquired via e-mail from Eye Spy.

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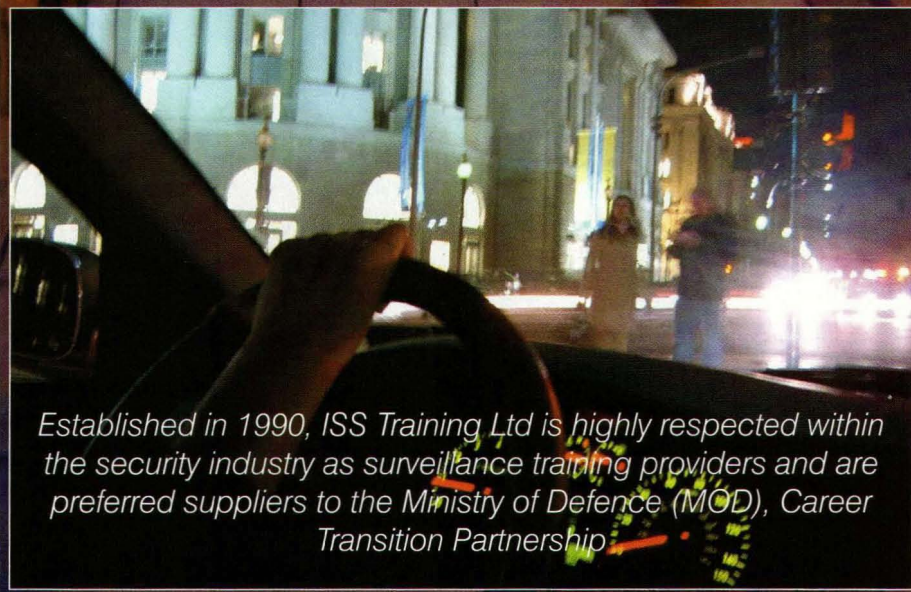
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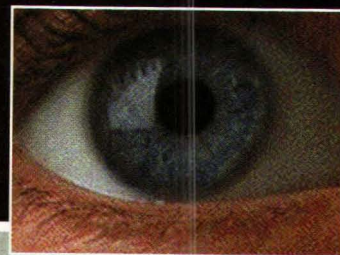


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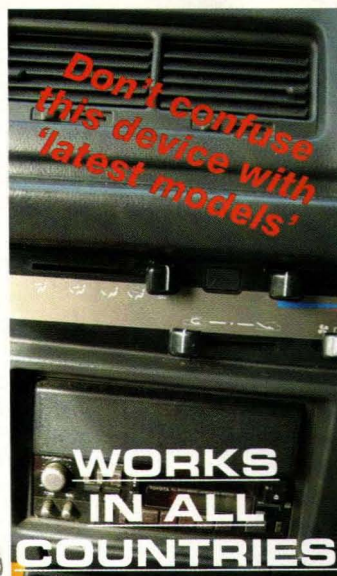
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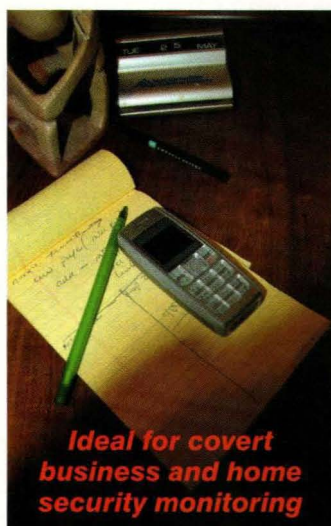
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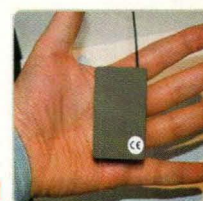
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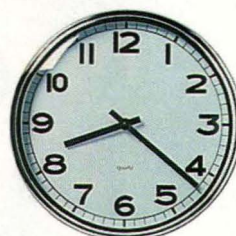
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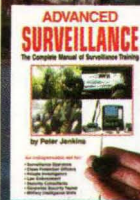
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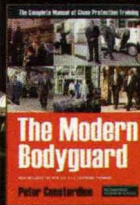


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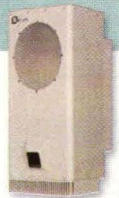
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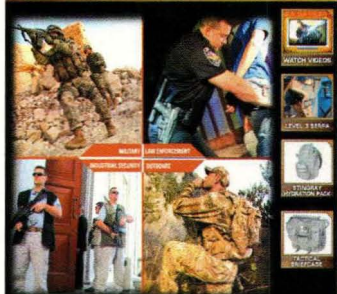
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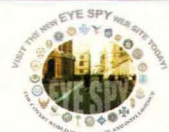
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MARWAN



SILENT WITNESS

Continued from page 11

way that my father killed himself. He was a soldier, and died as a soldier, and he died serving his country. I believe that he was murdered and I have told the authorities so."

Other evidence that seems to negate suicide concerns his financial and social arrangements. Previously when Marwan had to undergo operations, he had turned

many of his premier investments into cash - at the time of his death he had not done this. There was no suicide note or other indication that might suggest he was considering taking his own life. Other associates told police he had organised future functions - including wedding anniversary celebrations for 7 July in Spain. He had also sent out party invitations and was due to attend a garden party at Buckingham Palace later that month. Future plans included a visit to Mecca in December.

Scotland Yard have examined the apartment, five entrances into the building complex and viewed CCTV tape.

In Israel, a heated debate about Marwan's death has ensued. The blame game risks turning a private intelligence spat into a full blown public battle. Several high profile intelligence officers believe that the "naming" of Marwan as a Mossad asset three years ago has resulted or contributed to his death. This seems to indicate that there is a strong belief Marwan was assassinated. Two men central to the debate are Chief of Military Intelligence Eli Zeira and former Mossad chief Tzvi Zamir. An



arbitrator ruled that Zeira was the man who exposed Marwan's identity to journalists and writers, according to *Israel News*.

MI5 are known to be liaising with Scotland Yard and have not ruled out the possibility that Marwan is the second foreign agent to be assassinated in London in recent months, following the murder of Aleksander Litvinenko.

A MOMENT IN TIME

Continued from page 25

proclaimed: "Intelligence is destiny and magic. It is a way of life, a choice made for life. This is the type of activity that mobilises all knowledge, experience and intellect to serve one goal - the sovereignty, prosperity and security of one's Homeland." Who would argue with that?

The celebratory shield carries the stars of the European Union, the NATO emblem, and at its base, the colours of the national flag. Central to the design is a map of the country and the initial of the Service - also set in national colours. In May 2007, the NIS held a major event to mark the occasion of its 60th birthday.



THE MOST UNUSUAL?

Perhaps the most unusual seal we came across during our recent researches turned up in a most unexpected location - Bangladesh. The Space Research and Remote Sensing Organisation or SPARRSO, is a government-sponsored body that

researches some quite extraordinary affairs. With a smart headquarters it was established in 1980 as an autonomous multisectoral R & D organisation. The agency acts as the centre of excellence and

national focal point for the peaceful applications of space science, Remote Sensing and Geographic Information System (GIS) in Bangladesh. The centre proclaims: "SPARRSO advises the Government in all matters relating to space technology applications and policy and collaborates with national, regional and international organizations, institutions and agencies.... it disseminates research results, satellite data and information to the relevant public, autonomous and private agencies for their development and policy making activities."

Remote sensing? Space research? It would be wise not to dismiss the efforts of SPARRSO out of hand - for agencies such as the CIA and KGB have put some serious money into subjects like remote sensing! The crest is extraordinary, but reflects the primary elements of planet Earth - the sea, land, sky and space.

With an ever changing world some things remain constant - including the fact that even agencies conducting secret work just can't help designing crests that provide a glimpse of their work.

Creating a crest isn't just about its impact, colour or design. Before any of this is considered, researchers discuss the historical significance of the service, its origins, what it represents, and how the crest will be perceived... As for those elusive crests, Japan has three of four that have never been seen in public, so too China. But with new agencies and directorates forming every week, it's likely that Eye Spy will soon be taking this journey again!



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