



# NEWSLETTER

*Promoting National Security and Defence*

## RUSI of SA

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APRIL/MAY 2012

Issue No. **438**

## PRESIDENT'S REPORT

At the time of writing this report the Prime Minister, Julia Gillard has just concluded her attendance at the Nuclear Security Summit in South Korea. The general consensus amongst attending nations, which includes all of the major powers, is that a 'nuclear terror threat remains'. US President Barack Obama warned that too much nuclear material remains vulnerable to theft by terrorists. Australia has called for nuclear nations to allow in inspectors from other countries to review their safety measures as an overall boost to nuclear watchdog arrangements.

RUSI-SA has identified the nuclear debate as being a critical security matter and will continue to explore this theme during 2012. This follows the very successful Current Issues Briefing in February at which Professor Purnendra Jain from Adelaide University provided some excellent insights into Japan's experience of nuclear fallout after the Triple Disaster in 2011.

Whilst she was in South Korea, Prime Minister Gillard also spoke to President Obama about various security matters. There has been a lot of media speculation since as to what the outcomes from this discussion actually means for Australia. Defence Minister, Stephen Smith, stated in an ABC Lateline interview that no formal arrangements had yet been entered into and would not until a lot of detail had been addressed. However, The Australian Defence Editor, Brendan Nicholson reported that US and Australian officials discussed the major expansion of military ties between the two nations broached in confidential talks over the past year.

Topics discussed included use of the Cocos Islands as a possible strategic base, the rotation of US marines through the Northern Territory, greater use of RAAF bases in northern Australia for US aircraft, and, in the longer term, the prospect of enhanced ship and submarine visits through the Indian Ocean Rim through HMAS STIRLING. Use of the Cocos Islands is particularly interesting but plans to fly drones such as the ultra long-range Global Hawk, known as the Broad Area Maritime Surveillance drone or BAMS, from the Cocos Islands are only in their initial stages of investigation. The Cocos Islands would be well positioned to launch surveillance flights over the South China Sea.

The first company of about 250 US Marines is due to arrive in Darwin within days. The marines will spend several months training through the dry season at the Australian Defence Force's Bradshaw and Mount Bundy training areas in the Northern Territory. The force, which will be rotated annually for training, is

unlikely to reach its full strength until 2016. By then the marines will have considerable equipment, including amphibious assault ships similar to the two giant landing helicopter docks being built for the Royal Australian Navy, along with Harrier jump jets and troop-carrying helicopters.

Over the past year, US and Australian officials have also stressed that the ability to rapidly deploy resources to provide humanitarian aid for natural disasters such as earthquakes and tsunamis will be a key consideration.

What does China make of all this? Clearly, the US is concerned about what it calls "a rising China whose growing military strength and assertive territorial claims have pushed other Asian nations to reach out to Washington". This is reflected in President Obama's recent pledge to maintain defence spending in the Pacific area whilst other areas will be subject to major cost cuts. The Pentagon is reviewing the size and distribution of its forces in northeast Asia, where they were concentrated on Cold War-era bases in Japan and South Korea. Asia is home to the world's busiest shipping lanes and to growing international competition to tap into vast undersea oil and gas fields so the US has economic as well as security intentions. In the Post Cold War Australia looks much more important to the US and the world.

Meanwhile, on the domestic front, yet again the Australian Defence Force (ADF) has been deployed to provide assistance after more floods and cyclone damage. The ADF is continuing to support the Wagga Wagga community following the recent devastating floods, with efforts now focussed on clean up and recovery.

Commander of the Task Force in Wagga Wagga, Colonel David Hay, said *"Some of the tasks conducted have included evacuating people from flood affected areas, filling and placing many sandbags, door knocking, and generally transporting SES and other emergency personnel around the affected areas. All flood assistance tasks are undertaken at the request of Emergency Management Australia on behalf of the New South Wales Government, and then allocated to military elements to carry out specific jobs. With the emergency passing in most of the affected areas, we can now begin to look at the next phase in helping the New South Wales Government at this challenging time."*

Defence will continue to operate closely with State Emergency Services to provide subject matter expertise, planning, and coordination of the ADF support. As well as personnel, the ADF is providing transport and equipment in support of flood relief operations in the areas of Shepparton and Nathalia in Northern Victoria.

BRIG Tim Hanna

## The Secretary of Defence, Mr Duncan Lewis has presented the 2012 Secretary of Defence Fellowship to Defence Science and Technology Organisation scientist, Dr Elena Mazourenko.

The Secretary of Defence Fellowship is awarded annually to enable a Defence Australian Public Service employee to undertake one year of full-time postgraduate research at the University of New South Wales at the Australian Defence Force Academy. The fellowship comprises salary and up to \$15,000 for field research expenses, including travel.

Dr Mazourenko's research topic is *"Supporting operational planning and evaluation in the ADF: investigation into the integration of theories of change and assumptions monitoring into campaign planning and campaign assessment"*.

In presenting the award, Mr Lewis said Dr Mazourenko's research would be of great and direct benefit to Defence. "Dr Mazourenko's research will deliver a campaign planning and assessment framework intended to improve planning and inform decision making for ADF operations".

"I've made it very clear since beginning as Secretary that my key priority is supporting ADF personnel deployed on operations, and Dr Mazourenko's work relates directly to this. I



congratulate her on her hard work and dedication, and very much look forward to seeing the results of her research project."

Dr Mazourenko's work for the Defence Science and Technology Organisation includes the development of a proposal for scenario-based training to enable new Headquarters Joint Operations Command staff to assimilate quickly into an interoperability-dependent environment, and operational data processing and analysis for Operation Slipper campaign assessments. She has also previously conducted environmental research for the Department of Transport and Urban Planning in South Australia.

Dr Mazourenko has three adult children in the ADF, including two sons in the Australian Army and a daughter in the Royal Australian Air Force.

## Monthly Luncheons

Monday 2 April 2012

Speaker: AIRCDRE Noel Derwort  
Commander Aerospace Operational  
Support Group SADFO/FTAA  
Topic: **Air Force: Current  
Operations and Future  
Developments.**

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Monday 7 May 2012

Speaker: TBA

Topic: TBA

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All members are invited to attend our luncheons. Indeed you are encouraged to invite partners, friends and colleagues to join us and, if they like what they see and hear, to nominate them for membership. Please book in advance. If you are unsure whether or not your name is on the booking list, please check!

The dress code for the luncheon is neat casual, taking into consideration weather conditions. We usually assemble in Building 34A, Keswick Barracks, Keswick, at approximately 11.30 am for drinks and good fellowship. Members are asked to be seated by 12 noon when our President welcomes members and guests and lunch is served. The cost of the buffet is \$25 for members and university students and \$30 for non-members. We also conduct a raffle to help cover expenses. Our caterer has agreed to provide vegetarian meals and sweets for diabetics, but these must be ordered before midday on the Thursday before the lunch.

For those who do not have time to enjoy lunch, but wish to hear the lecture, chairs are provided around the perimeter of the hall. Please be seated before 12.55 pm. The address is of about 30 to 35 minutes duration with 15 minutes for questions, after which coffee or tea is available. We aim to complete the program by 2.00 pm.

**Cancellations must be advised to the RUSI-SA Office by midday of the Friday before the lunch. Subsequent cancellations will attract a fee of \$25.**

## DEFENCE

HMAS Parramatta handed over duties to HMAS Melbourne in the Middle East maritime Area of Operations last week after completing a successful six-month maritime security and interception operation deployment as part of Operation SLIPPER rotation 27.

HMAS Parramatta is now heading home to Fleet Base East in Sydney, New South Wales after steaming more than 52,000 nautical miles during her fourth deployment to the Middle East Area of Operations.

Commander Joint Task Force 663 in the Middle East Area of Operations, Major General Stuart Smith, praised the men and women of HMAS Parramatta on a successful mission.



“HMAS Parramatta has played a significant role in maintaining security in the Gulf Waters. I commend her Ship’s Company for their professionalism, discipline and teamwork.”

Commanding Officer of HMAS Parramatta, Commander Guy Blackburn, said Parramatta’s Ship’s Company had performed superbly in all aspects of the mission.

“This Ship’s Company has represented Australia at the highest level of operations and acquitted itself well. “They should be extremely proud of their achievements. They represent the finest qualities of our sailors and officers serving in the RAN and ADF,” Commander Blackburn said.

During Parramatta’s deployment the ship’s company conducted a successful drug disruption operation on 3 February 2012 netting and disposing of 240 kg of illegal narcotics at a value of over US\$5 million and denying insurgents and terrorists much needed funds.

HMAS Parramatta and her Ship’s Company of approximately 190 men and women will return to Fleet Base East in late March, where they will reunite with loved ones and enjoy some much deserved rest and respite.

This information and photograph was released by the Defence Media Centre on 13 March 2012.



**A new stamp issue by Australia Post on 17 April 2012 will feature the Rising Sun Badge.**

The stamps will trace the design evolution of the Rising Sun Badge, also known as the General Service Badge, worn by Australian Army personnel.

Full details of the stamps to be issued and associated ephemera can be found in the current Stamp Bulletin. To download the bulletin, go to

<http://shop.auspost.com.au/stamps/collectors/publications/stamp-bulletin/current>

Illustrated are the five Maxicards that accompany the stamp issue.



**The Australian Defence Magazine (ADM) covers a wide range of current defence matters of interest to the business of Defence.**

Much of the material published by the ADM is freely available on the internet at

[www.australiandefence.com.au/](http://www.australiandefence.com.au/)

The ADM website covers a comprehensive range of up to date defence related news, articles, reports and other issues. In addition, the site allows access to the digital version of the ADM.



ADM March 2012 features Land Force plus Military Vehicles. This issue takes a look at what the Army is doing to prepare itself for Force 2030 and goes behind the scenes of the Hawkei.

The following have recently joined the RUSI of SA:

- BRIG Geoff Barnett
- Mr Stephen Hose
- Mr Brian O'Flaherty
- Dr Ben Wadham
- MAJ Ian Smith

## AVIATION SECURITY

On 6 February, 2012, Mr Michael Miller addressed the RUSI of SA luncheon guests on the subject of “Aviation Security”. Michael is Manager Security and Resilience at Airservices Australia. Airservices is a government-owned corporation providing safe, secure, efficient and environmentally responsible services to the aviation industry. In particular, the organisation provides safe and environmentally sound air traffic control management, Aviation Rescue Fire Fighting services, and other related airside services.

Airservices provides the industry with communication, surveillance and air navigation services, manages air traffic operations for more than 3 million flights carrying about 75 million passengers each year and manages the Australian Airspace covering 11 percent of the earth’s surface (19,995,070 square nautical miles). It has a fixed asset base of \$650m over 900 sites and employes about 3800 employees of whom about 1000 are Air Traffic Controllers, 750 are Aviation and Rescue Fire Fighting staff and 700 are qualified engineers and technicians. There are 28 control towers and six terminal control units.

The capital expenditure program has over 70 active projects over the next five years at a cost of about \$981m. It includes new radars and towers, building upgrades, fire vehicle replacement and fire control centre upgrades.

Aviation security is highly regulated, mainly by the Commonwealth through the Aviation Security Act and Regulations, Civil Aviation Regulations and Competition Regulation. There is partnership with private industry and operates under a ‘user pays’ principle, except for Airport Policing.

Key players in the organisation are the Office of Transport Security (OTS), Australian Federal Police, Airport Guides, Preventative Maintenance and Calibration, Border Agencies, airlines, airports and Airservices.



Security coordination includes Aviation Security Advisory Forum, Airport Security Committees, Airport Security Consultative Groups, Australian Government Agency Security Committees at airports, Air Ground Air Security Working Group, Border Security Working Group, Transport Infrastructure Assurance Advisory Group and the National Airport Emergency Planning Advisory Group.

Following is the basic structure of the presentation.

### [Protective Security Drivers](#)

National Aviation Security Context: (Provided by OTS)  
Aviation Security Risk Context Statement, Dec 2010  
Aviation Security Quarterly Reports  
Briefings in response to world aviation security incidents

Aviation Transport Security Act & Regulations

Airservices Transport Security Program, Apr 2010  
Airservices Aviation Security Identification Card (ASIC) Program

Airservices Security Risk Register  
Aviation Security Risks  
Corporate Security Risks

Airservices Protective Security Policy C-POL0007

### [Aviation Security Risk Context](#)

Aviation Security Risk Context Statement & Quarterly Reports issued by the OTS with information supplied by Australian Intelligence Agencies

Risk Context Statement considers open architecture facilities (eg Brisbane Centre) and iconic structures ( eg Sydney Tower) as targets for unlawful interference with aviation consistent with terrorist ideologies

“Air traffic control towers or air traffic service centres could be targeted...”\*

Since December 2000, there has been at least 17 reported attacks on aviation infrastructure worldwide involving the use of Improvised Explosive Devices (IEDs) and/or armed assault. This includes several attacks on airport infrastructure

Current national counter-terrorism alert level remains at MEDIUM – ‘terrorist attack could occur’



## Aviation Transport Security Act & Regs.

The main purpose of the Aviation Transport Security Act (ATSA) & Regulations is to provide a regulatory framework to protect civil aviation against acts of unlawful interference by providing minimum security requirements.

Under the ATSA Airservices is nominated as an "Aviation Participant" (AIP) and is required to maintain a Transport Security Program (TSP)

The Airservices TSP sets out specific risk treatments at key asset classes, including:

- Electronic & Mechanical access control
- Intruder alarm systems
- Closed Circuit Television Video (CCTV)
- Perimeter protection (Fences, Gates, Bollards etc)

Failure by an AIP to comply with the TSP is an offence and subject to penalty up to \$10,000 per incidence.

## Protective Security Practice Guidelines

When designing protective security programs staff and contractors must consider to what extent the measures specified are able to Deter, Detect, Delay and Respond (D3R) to identified security risks.

Guidance on suitable security hardware and configurations is contained within:

- Commonwealth Protective Security Framework (PSF)
- Commonwealth Security Equipment Catalogue 2010
- Aus/NZ Standards
- Intruder Alarm Systems (AS/NZS 2201:2007)
- CCTV (AS 4806:2006)
- Fencing (AS 1725:2003)
- International Standards

## Steel Palisade Fences (BS1722-12:2006) Airservices Security Guidelines

### Current Challenges

- Maintaining Awareness
- Green Laser Light threats
- Unmanned Aerial Vehicles
- Cyber Security Threat
- 'Hardening' our Perimeters
- Overseas travel security services



### Security Risk Register

Airservices maintains a security risk register in line with Airservices Risk Management framework

The Airservices Security Risk Register considers both: Aviation Security Risks; and Corporate Security Risks

The risk assessment identifies two 'B' class risks related to physical attack of facility and/or personnel.

Under the Airservices Risk framework 'B' class risk is "undesirable" and "must be reduced unless the cost of reducing the risk is grossly disproportional to the improvement gained."

Proposed risk treatments include implementing physical security infrastructure

## Developments since last update

- Alignment of Airservices' Alert Level to the National Alert Level system.
- Overseas travel security risk assessments
- Successful implementation of on-line security awareness training
- Awareness Brochures
- Greater oversight of National Security clearances since the creation of the Australian Government Security Vetting Agency.
- Basic Imaging Profile of ASIC and Airservices Identity Card provision (July Key Performance Indicator for ASIC was 14.2 days turnaround)
- Reduction of the number of Temporary Cards and strict limit on their validity periods

## Security Infrastructure

Security infrastructure is wider than just cameras and alarms. Also consider:

- Perimeter barriers (Fences, Gates, Grilles, Doors, Restricted Keying, Bollards, Traffic Calming, Redundant Entry/Exit, Focused Path of Travel)

- Lighting (Colour rendition for CCTV, Crime Prevention through Environmental Design re security psychology)

- Signage (Deterrent and Legal Obligation)

- Door Furniture (Ease of use for staff, compliance with Building Code of Australia re emergency egress, maintenance)

- Emergency Duress signals (Security, OHS)

- Operation of other systems (Heating, ventilation and air-conditioning)

- Intercommunications (Video Phone, Intercoms)

- Cabling

- Power supply and redundancy

Focus for electronic systems is to achieve interoperability / convergence and a standardised approach.

## Airservices Security Policy

The Airservices' Protective Security Policy (C-POL0007) applies to all staff and contractors and aims to ensure we protect our people, information and assets from acts of unlawful interference and other significant security events

The Protective Security Policy requires staff and contractors to:

- Comply with relevant security legislation
- Maintain and improve our security risk management framework
- Understand our security threats and vulnerabilities

Apply sound, efficient and economically responsible treatments to reduce the likelihood and/or consequence of security risks.

Report security incidents

## Security by Design

Two contemporary principals of sound security design include: Defence-in-Depth; and Crime Prevention Through Environmental Design (CPTED)

Defence-in-Depth strategy accepts that no single countermeasure can protect against all attacks, therefore the use of multiple complementary measures are

used to protect the critical asset or function.

CPTED promotes the use of the built environment to minimise security vulnerabilities and provide an environment that is hostile to would be attackers.

CPTED focuses on three core areas of Engineering (Mechanical & Technical); Architectural (Natural & man-made); and Organisational

Staff and contractors involved in the design or re-development of facilities must consider security risks associated with the facility or function and are to incorporate security by design at the earliest

## RSL

This Leopard AS1 Main Battle tank guards the northern approaches to Echunga in the Adelaide Hills. Dedicated 28 August 2011, it was gifted to the Returned Services League Echunga Sub Branch by the Commonwealth of Australia in recognition of all Australian Defence Force personnel who, like this tank, never fired a shot in anger but were trained and prepared to do so if the need arose.



## JOINING RUSI

**New members are most welcome to join.**

You have much to gain by attending presentations, meeting a variety of speakers and by mixing with a variety of like-minded people and exchanging views in a cordial environment.

You can join on-line using the on-line Membership Application Form at [www.rusi.org.au/](http://www.rusi.org.au/) enabling you to join and pay on-line through secure means. When joining you specify which [State Body](#) you would like to join. This gives you provisional membership in your chosen RUSI and gives you access to Members-only areas in the website and the ability to adjust your membership profile and details securely. You can also join any RUSI State Body by direct application to the address on their webpage on the website.

## FOUNDATION DAW PARK

Foundation Daw Park was established in the 1990's by Veterans to provide funding, facilities and equipment to support world-class medical research and patient care at the [Repatriation General Hospital](#) Daw Park, South Australia.



2012  
FOUNDATION DAW PARK  
ANZAC COMMEMORATION  
**GALA BALL**  
Celebrating 70 Years of the Repat  
*Bringing Them Home*  
Saturday 21 April,  
7pm for 7.30 - 11.30pm  
Banquet Room,  
Adelaide Festival Centre  
Black Tie / Mens Dress -  
Miniature Decorations to be worn  
For bookings or further information  
call (08) 8275 1039  
[www.foundationdawpark.org.au](http://www.foundationdawpark.org.au)

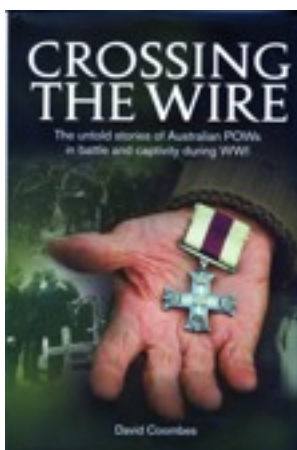
Presenting Partner  Gold Sponsors   LOCKHEED MARTIN   
Supporting medical research into Veteran health and patient care at the Repatriation General Hospital

TICKETS  
\$150.00  
One price  
per head

The 2012 ANZAC Commemoration Gala Ball aims to raise funds to benefit medical research related to Veterans' health at the iconic and much loved Repatriation hospital. It will be held at the Banquet Room of the Adelaide Festival Centre on Saturday 21 April 2012. Tickets are \$150 each or \$1500 for a table of ten. For further information and bookings visit [www.foundationdawpark.org.au/](http://www.foundationdawpark.org.au/) or contact the Foundation Daw Park office on 8275 1039.

Guest speaker Lambis Englezos will talk about the “**Lost Soldiers of Fromelles**”.

## LIBRARY



“**Crossing the Wire**” by David Coombes

Drawing on previously unavailable records, as well as private papers and unpublished manuscripts, Coombes focuses on one Australian Brigade, the 4th Infantry, from its formation in 1914, through Gallipoli to its baptism of fire on the Western Front, culminating in its first battle of Bullecourt, which in turn leads to a prisoner of war experience.

“**Black Watch**” by Tom Renouf

Tom Renouf ended WWII as a young soldier, when his division captured the world's most wanted man, SS chief and Hitler's vicious right hand man, Heinrich Himmler. **Black Watch** is both the epic story of the 51st Highland Division and a searing personal account of one man's courage in war.

