



SENSOR

Promoting National Security and Defence

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PRESIDENT'S REPORT

The One Day of the Year

On this 100th Anniversary of ANZAC Day it is apposite that my President's article for April reflect on this special milestone in our history but before turning to that subject it would be remiss if I did not make mention of the Sub Summit held in Adelaide towards the end of last month.



Sub Summit opening comments by AVM Brent Espeland AM (Retd)- National President, Royal United Services Institute (RUSI) Australia.

The Summit sought to unpack the myths of Submarine Acquisition and Sustainment in response to the Australian public's call for more information and explanation, rather than commentary, on crucial national security and defence issues such as Australia's Future Submarine project. The Summit was a bold but necessary initiative on the part of its producers, RUSI of Australia, the Hargraves Institute and SAGE International to take this issue to the people and the media and its resounding success has showcased the credentials of these three not-for-profit organisations.

Reports of the Summit will feature extensively in this edition of Sensor but for my part now, let me acknowledge the outstanding efforts of Peter McDermott, the National Secretary of RUSI, and two of my fellow RUSI of South Australia Councillors, Mark Ryan

and John Bruni, in organising the Summit. Thank you also to the other RUSI of South Australia Councillors and Members who assisted in the staging of the event. The Summit has brought great credit to our stocks which we need to build upon.

Having cleared that deck let me return to the subject of ANZAC Day, not from the perspective of documenting the events that occurred at Gallipoli 100 years ago, but to reflect, from my own experiences, on what this day of commemoration might mean to the Australian psyche.

RUSI of SA

Building 160, Keswick Barracks
Keswick, SA 5035
Tel/Fax: +61 (8) 8305 6378
Email: rusikes@bigpond.com

Office Hours

Monday and Friday
10.00am to 4.00pm

Patron

His Excellency the Honourable Hieu Van Le AO
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The views expressed in this Newsletter are not necessarily those of the RUSI of SA.

When Alan Seymour wrote his controversial play about ANZAC Day – *The One Day of the Year* – back in 1958 it was banned lest it offend the veteran community despite being more a family drama than an attack on the traditions of ANZAC. It was highly successful despite its controversy and after one such production in 1970, Katherine Brisbane reviewed the play and observed that in ten years' time no one would find the play controversial. She made that prediction in the context of an Australian Society increasingly challenging its beliefs and mores at a time of immense social upheaval. She felt Australia was in the throes of distancing itself from traditions such as ANZAC. She was proved correct in that the play has lost its controversy and is now particularly held in high regard for the strength of its characters – a key hallmark of a good family drama - but we are left to ponder, with some considerable irony, the way Australians have changed since that time, and become more conservative, as being behind the way the play has come to be viewed.

My own experiences have tended to mirror these developments in the manner in which Australians approach ANZAC Day. My earliest memories go back to my sub-teen years in the mid-1950s. We lived over the road from the local RSL Branch and I have fond recollections of accompanying my father, a 2/27 Battalion digger, to night cricket games there and of proudly watching him turn out to march with his mates come 25 April each year.

I was drawn more and more into the traditions of Australia's military history as I prepared for, and then commenced, my own career in the Royal Australian Air Force. ANZAC Day for my family and me was an integral part of our lives through the years as other Australians seemed to be walking away from it. Wherever we resided ANZAC Day lived deep in our hearts. In regional/rural areas we joined entire towns commemorating the sacrifice of those who fell or were wounded and their families, while in capital cities we were warmed by the spirit of the dawn service and then joined in the state or national major commemoration. We were very much aware of the then increasing view in the broader community that ANZAC Day falsely promoted the notion that we owed our nationhood to a nineteenth century concept that it can only be born through the spilling of the sacrificial

blood of our young - but spiritually we simply ignored these sentiments and continued with our lives.

Decades on, the spirit of ANZAC shines more brightly than it ever has in the Australian community and I am privileged to be closely involved as National President of the Australian Flying Corps and Royal Australian Air Force. Along the way between then and now there was a special ANZAC personal experience that warrants mentioning.

Over the period 1983-1986 I held the appointment as Military Secretary to Sir Ninian Stephen, the Governor General of the Commonwealth of Australia, and during that period the then Archbishop of Canterbury, Dr Runcie, came to stay at Government House as part of an official visit to Australia during which he was to address the Dawn Service gathering at the Australian War Memorial on ANZAC Day.

Concern had been expressed that the Archbishop's pacifist leanings might lead him to render a controversial address and it fell to me to gain a sense of what he might say whilst we were all gathered at an official dinner on ANZAC Eve. Some earnest discussions with Terry Waite, Adviser to Dr Runcie and who was later to become well known for his success as a hostage negotiator, rendered a copy of the Archbishop's address. It was a brilliant, balanced missive that warmed the hearts of all attending the Service early next morning.

I am sure we are all in store for a similar experience wherever we are on 25 April 2015, as we commemorate the 100th Anniversary of ANZAC.

Lest we forget.

Brent Espeland

State President

RUSI of South Australia

Post Script: Terry Waite himself was taken hostage and spent seven years in captivity before being released. His story of that time is expertly captured in his book *Taken on Trust*.



Gallipoli landing 1915.



ANZAC Cove today.

Monthly Luncheons

AUSTRALIAN FUTURE SUBMARINES CONFERENCE

Monday 4 May 2015

Speaker: TBA

Subject: TBA

Wines presented to guest speakers are generously donated by SKYE CELLARS, 578 The Parade, Auldana 5072.

SKYE CELLARS has been operating for over 28 years. It is a family owned and operated business situated in the heritage listed Auldana Estate Winery in the Adelaide foothills.

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.

The dress code for the luncheon is neat casual. We assemble in Building 34A, Keswick Barracks, Keswick, at approximately 11.30 am for drinks and good fellowship. Members are asked to be seated by 12.00 noon when our President welcomes members and guests and lunch is served.

The cost of the buffet is \$26 for members and \$31 for non-members. Wines, beer and soft drinks will be available for purchase. 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 Friday 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 \$26.

Executive Summary

The RUSI of Australia, Hargraves Institute & SAGE International's 'Sub Summit', in Adelaide on 25 and 26 March 2015 at the Adelaide Convention Centre, made significant headway in demystifying the secretive and misunderstood 'Option J' i.e., the potential building of a Japanese submarine design for the Royal Australian Navy's SEA 1000, or, Future Submarine Project (FSP).

The Sub Summit also debunked the bad press surrounding the Collins class submarines, showing clearly that Australia can build high quality submarines, and that the record of the Collins was never as bad as the media portrayed.

A national industry consensus was reached:-

- that any new boat design, from whatever origin supplier, must be built in Australia using and building upon existing infrastructures and capacities.

This was considered important for sustaining employment generally, but also to ensure that technical skills associated with submarine construction would not be lost.

- that the build should include all boats being built onshore in Australia.

While a foreign supplier may want to build the first one or two boats in their country of origin, and that may be of some use to Australian industry to minimise the risks associated with initial construction, industry was confident that it could undertake the challenges involved with building all vessels in Australian shipyards.

- that industry favoured the Swedish option being brought back to the table.

The Collins class was built to a Swedish hull design and much of Australian defence industry was perplexed that the Swedes were left out of the Competitive Evaluation Process (CEP) by the Abbott government. Continuing to build on Swedish hulls would mean maintaining familiar managerial and technical continuity. Changing military platform suppliers is never easy or straightforward as each country has different approaches to construction and systems integration. Couple that with different languages and organisational and management methods, there remains a strong argument to stay with the Swedes, or at the very least, to keep them in the CEP.

- that the government's declared process of 'competitive evaluation' would not deliver a workable outcome and needed urgent revisiting.

This goes to the very heart of a crisis in confidence Australian defence industry has with the Defence Materiel Organisation (DMO).

- that DMO was not responsive to industry needs and over many years has delivered sub-optimal outcomes based on an over bureaucratized, 'process-driven', approach to defence acquisition.

- that for the first time, transparency and clarity of the Japanese option, was put forward.

- and that 'Option J' could be built in Australia.



Defence Minister Kevin Andrews delivers the Prime Minister's speech to formally open the Sub Summit 2015 National Summit



Retired Japanese Submarine Vice Admiral Masao Kobayashi JMSDF, defines the attributes of the Japanese Soryu Class submarine and its applicability to meet the Australian requirements.

Vice-Admiral Kobayashi JMSDF (Ret'd) delivered a technical presentation showing comparisons between the Collins class and the Soryu class and demonstrated his confidence that a Soryu built for the RAN would require minimal modifications and that the technologies and capabilities of 'Option J' were attractive and relevant to Royal Australian Navy requirements.

Vice-Admiral Koda JMSDF (Ret'd) clearly stated that Japan's option was not rigidly bound by any 'pre-decision' between Prime Ministers Abe and Abbott to commit to a 'Japanese build' of a Soryu type for the RAN – something that would essentially mean the end of boat building in Australia. Vice-Admiral Koda, sensitive to local concerns over retaining sub construction capability in Australia and the RAN's concerns regarding operational sovereignty, boldly stated that if there was a will between Japan and Australia to build the Soryu class at the ASC facility at Osborne, then, managerial and technical challenges aside, this could be done.

John Bruni, Vice President RUSI of SA.



Prof Punendra Jain, Dr John Bruni, Vice Admiral Yoji Koda, Allan Ryan, Mark Ryan (in background Philip Stanford, CEO TKMS).



Media interest was high for the Sub Summit – Centre of photo Mr Mike Smithson Channel 7 news.



Opposition Leader the Hon Bill Shorten MP made an impassioned speech for a bi-partisan approach in this historic defence project.



Channel 7 reporter Mike Smithson reporting on the VIP Cocktail event which opened the Sub Summit 2015 in Adelaide.



Delegates talking with the ex-Governor of SA RADM Kevin Scarce AC, CSC, RANR.

LUNCHEON SPEAKER FOR FEBRUARY 2015

On 2 February, SQDLDR Peter Tippner spoke on the Aeronautical Research and Development Unit (ARDU) based at RAAF, Edinburgh and on F/A-18 operations. The following summary was compiled from notes taken during the talk.

Historically, ARDU has been responsible for the developmental testing of all operational aircraft flown by the RAAF and Army. The organisation ensures that all military aircraft are safe to fly and fit for purpose when they are newly acquired or modified in some way. To qualify as test pilots, pilots need to have strong engineering and maths background (Bachelor degrees in either discipline are a strong preference). Prior to being selected for test pilots course,

Peter had spent six years flying for the RAAF, three years of them with 77 squadron operating the F/A-18 Hornet. On completion of his operational tours, he completed a twelve month test pilot course at the Empire Test Pilots School, in the United Kingdom.

Peter described the range of



aircraft he has flown and declared that the F/A-18 Hornet is his favourite. The F/A-18 is an all weather air-to-air and air-to-ground fighter and can pull up to 7.5 g and extremely high angles of attack. In order to stay conscious

during aggressive manoeuvring, the pilot of the F/A-18 needs a special suit (known as a g-suit) to help keep blood in the upper part of his body. One of the most difficult tasks for a pilot to perform in the Hornet is close air support (CAS), requiring weapons to be employed in close proximity to friendly forces.

Peter has flown the F/A-18 for Clipsal displays during which the aircraft uses approximately 2500 pounds of fuel in six minutes.

One of the more recent test programs undertaken by ARDU was for the Joint Direct Attack Munition - Extended Range, JDAM-ER, developed by DSTO in conjunction with Boeing.

More information about ARDU can be found at

http://en.wikipedia.org/wiki/Aircraft_Research_and_Development_Unit_RAAF

ARMY MUSEUM VISIT

On 22 February, about 30 members and friends of the RUSI of SA visited the Army Museum of South Australia at Keswick Barracks, its first social event for 2015.

We were hosted by MAJ Jeff Ayles (Retd), Curator of the Army Museum of SA (AMOSA), who conducted a tour of the enclosed Museum area, which fortunately was air-conditioned.

MAJ Ayles served with the Special Air Service Regiment during the Indonesian Conflict in Borneo during the 1960s. He spent 36 years in the Regular Army, CMF and ARES

during which time, as an infantryman, he served in Okinawa, the Philippines, Malaysia, Singapore, Borneo, Papua and New Guinea, South Vietnam, Germany and the UK. Jeff is a member of the RSAR Association. His presentation covered Australian military history,

from the Boar War, ANZACs at Gallipoli, WW2 and finished with Australians serving in Afghanistan.

For the two hours of our tour the information ration was very detailed, factual, and 'hands on' realistic.

The day was an opportunity for those who have done military service to attend with their families and share the stories of their Service experiences, showing them the equipment being used at the time and hearing the history behind these items.

Whilst enjoying a BBQ in Building 34A, the group was addressed by BRIG Robert Atkinson (Rtd).

Graham Sanders, convenor.



Four generations of the Atkinson family enjoyed their visit to the Army Museum of South Australia.

On Monday 2 March, Merv Davis, CEO of CEA Technologies based in Canberra, spoke about CEA's world leading Radar Technology. The following summarises the main points of his presentation.

CEA is an Australian Company with about 300 staff that has supported Defence for over 30 years. It is located across the country and has a small subsidiary in the US. Its business is the design, development, manufacture and support of military radar and communication systems. Most RAN ships carry CEA products in one form or another and the company exports to the US, Europe, Asia, the Middle East and to the Caribbean.



analogue and RF circuit boards, antennas, speciality cables and complex multilayer printed circuit boards and has a significant machining capability in Melbourne. CEA's major products include the CEA FAR, Phased Array Radar (PAR) system, integrated ship communication systems and ship self-defence (missile illuminator) systems. It has a growing support business, not only supporting its own systems, but also the Wedgetail airborne early warning and control radar. CEA's technology significantly enhances ship and force capabilities within the RAN.

Merv went on to describe CEA's next generation technology, which will provide greater power and processing delivering greater range performance in smaller lighter arrays. The company is transitioning its CEA FAR system into Land programmes with interests in air traffic control and ground based air defence.

CEA is an international technology provider with an innovative capability to develop and support complex and cost effective technologies and systems with a strong commitment to the ADF.

The CEA Technologies website may be found at: <http://www.cea.com.au/>

CEA is a globally competitive high technology company delivering high quality, technically advanced systems. The company produces digital,



Mrs Heather McDermott (wife of RUSI National secretary), VADM Masao Kobayashi JMSDF, AIRCDRE Peter McDermott (Ret'd), RADM Peter Briggs (Ret'd), WGCdr Mark Ryan (Ret'd) at the Sub Summit.

Vale

It is with regret that the recent death of

Mrs Margaret Dutschke, a loyal supporter of the RUSI of SA for many years, was announced.

The President and Members of Council extend their condolences to her family and friends.

73rd ANNIVERSARY OF THE BATTLE OF THE CORAL SEA

From 4 May – 8 May 1942, the American and Australian navies fought together in the Battle of the Coral Sea, which was the first naval battle in history in which the opposing surface ships at no stage sighted or fired on each other - all attacks were carried out by aircraft.

The Battle of the Coral Sea thwarted the Japanese planned invasion of Port Moresby and ended the Japanese expansion southward. The Official History of the Royal Australian Navy refers to the Battle of the Coral Sea as "*Japan's first check.*"

The Australian American Association in South Australia (AAASA) will commemorate the Battle of the Coral Sea with a service at 10.30 am on Sunday 3 May 2015 at the Australian American Remembrance Columns in the Adelaide Botanic Gardens

The simple service, lasting about 40 minutes, is conducted by a chaplain and includes the reading of The Prime Minister's Message, the US Presidential Address, and a Commemoration Address. These are followed by the Alert, Last Post,

Ode and Reveille and the singing of The Navy Hymn and the national anthems of the United States of America and Australia. The Navy Band provides the bugler and the musical accompaniment. Morning tea is served after the service.

His Excellency the Honourable Hieu Van Le AO, Governor of South Australia, as Patron of the Association, has been invited to lay a wreath. The Commemorative Address will be given by a senior naval officer. Floral tributes or books will be laid by representatives of the Australian Federal and State Governments, the US Government, senior Navy, Army, Air Force and Police Commanders, The Lord Mayor of Adelaide, Veterans Affairs and the Presidents of the RSL and various service organisations. Over 20 tributes are laid during the service.

The Association also takes this opportunity to invite you to be present at the 73rd Anniversary Coral Sea Dinner to be held on Friday 8 May 2015 at the Naval, Military and Air Force Club at 7.00 for 7.30 pm. The cost is \$70 for non-members, \$60 for AAASA members and for groups of eight or more.

All are welcome. For further information please contact:

David Stoba Tel (08) 8266 0007

Email: djs0304@chariot.net.au

On Tuesday 7 April 2015, Australia and New Zealand will commemorate the formation and service of the Australian and New Zealand Army Corps (ANZAC) with a joint stamp issue.



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DEFENCE HEALTH SERVICES MEMORIAL

Members and friends are reminded that there will be a Commemorative Service at dusk at the the Defence Health Services Memorial, a statue of Simpson on his donkey, situated on King William Road adjacent to the bridge over the Torrens, on 19 May.

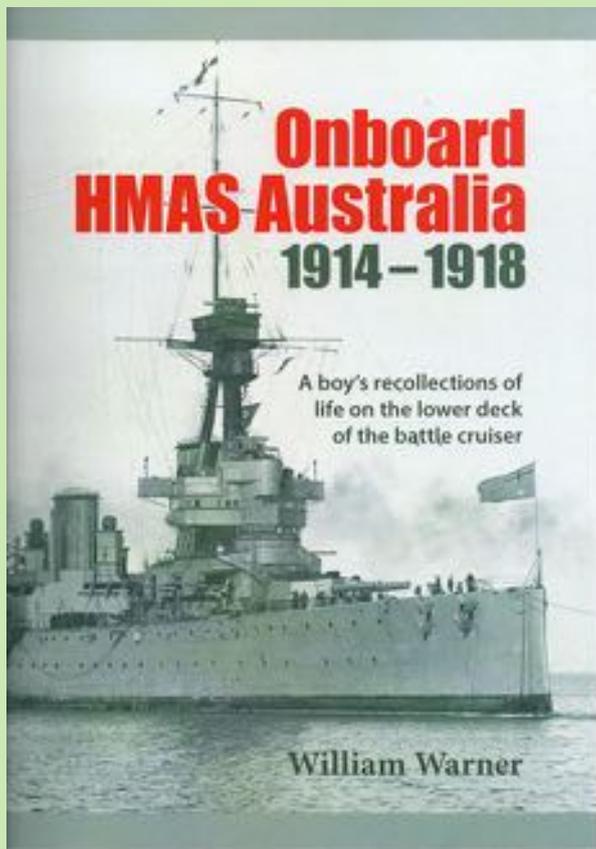
Following the Service, drinks and nibbles will be served at ANZAC House, Torrens Training Ground where free parking will be available. Dinner will follow, at a cost of \$30, for those who wish to stay. It is hoped to attract many people to the Commemorative Service, particularly those who have worn the uniform in all three Services in Defence Health at any time.

See Sensor issue 454 page 8 for more information.



HMAS AUSTRALIA 1914-1918

“On Board HMAS Australia 1914 - 1918” by William Warner was recently published by Five Senses Education Pty Ltd.



This book tells the story of a 14 year old Sydney boy, William Warner, who enlisted in the RAN at the outbreak of WWI. Following a year of training, he was sent to England to join the crew of the battle cruiser *HMAS Australia*. He served the rest of the war on this ship, mainly on patrol in the North Sea searching for an elusive enemy and fighting mountainous seas in bitterly cold weather.

LEST WE FORGET
100 years of the ANZAC spirit

An exhibition of commemorative paintings, sculpture and memorabilia by artists Belinda Blesing, John Ford, Drew Harrison, Gerhard Ritter, Barry Spicer, Elizabeth Webb and Matt Webby

19 April to 3 May 2015
Open daily 11am to 5pm. Closed ANZAC Day

7pm Wed 22 April 2015
Guest speaker: Ken Duttie will present 'The ANZAC Spirit' Family Friendly. All gold coin entry donations will be given to Legacy

7pm Wed 29 April 2015
Guest speaker: Trevor Powell will present 'Local Heroes' Family Friendly. All gold coin entry donations will be given to Legacy
Empire war Ford C402 V99 987

Black Diamond Gallery 66 Commercial Road Port Adelaide

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<http://www.anzacappeal.com.au/help/donate/>



In a world-first, over 350 of the most significant historical artifacts from the acclaimed WW1 collections of Imperial War Museums in London will head to the Melbourne Museum in April 2015.

For more information, see <http://museumvictoria.com.au/melbournemuseum/whatson/the-ww1-centenary-exhibition/>

