



SENSOR

Promoting National Security and Defence

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,
 Governor of South Australia.

Council Members 2014/15

President

AVM B. Espeland AM (Retd)

Vice Presidents

BRIG R. Atkinson AM RFD (Retd)

Dr J. Bruni

Immediate Past President

BRIG T. Hanna AM

Councillors

Mr M. Gorroick

FLTLT D. Hirst

Mr R. Miller

WGCDR M. Ryan MBA NAV (Retd)

Mr G. Sanders

COL D. Stoba RFD ED (Retd)

Hon Treasurer

MAJ R. Jones RFD

Auditor

Mr F. Topham

Chartered Accountant

Librarian

Vacant

Hon Editor

Mr M. Gorroick

Secretary/Public Officer

Mrs V. Gritzalis

December 2014/January 2015

Issue No.

454

PRESIDENT'S REPORT

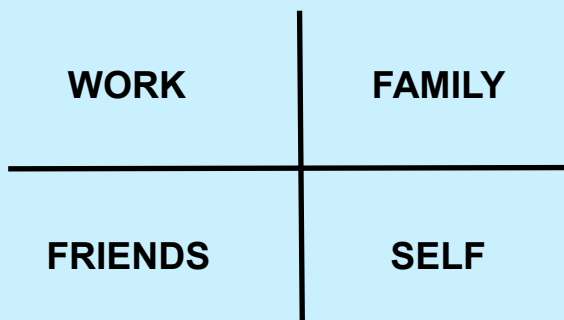
BALANCE OR BUST

In my President's piece for the next edition of Sensor I will be addressing a major Defence Policy issue but for now I thought a light-hearted but nevertheless important subject might be timely.

At this time of the year your life picks up pace and there are increasing demands on your time. Then again it is a time for reflection as you approach the New Year and perhaps a fresh start in some aspects of your life.

To help you through this I thought then that I might share with you a model that is particularly favoured at the Harvard Business School as part of their three month high intensity residential course for rapidly upward mobile leaders in government and business. It is a simple but powerful construct, as is the narrative that informs it, to help you get balance in your life and it is likely you may have seen it or something similar before. It reminds me of the adage that for every problem there exists a simple, elegant solution – and it is always wrong! Not in this case though. This is the exception to prove the rule.

Life can be deconstructed into four areas as below and you have choices how you manage your time and interaction with them:



Simple model, simple narrative. The siren of work is a call most of you would admit that you have responded too readily to over many years, probably with the rationalisation that you are still able to achieve balance in your life across the other areas. The reality is that for many people work demands in the end subvert relationships with the family and friends. By the time many people step back sufficiently from work and look around, family and friends are there in name only and it is often too late to put things right. As for self, well who has time to worry about that

when you have other priorities and in any case it is all rather self-indulgent to spend time and effort working this part of the model. Not true of course. Over time a lack of attention to self raises the risk of dysfunctional conditions such as chronic tiredness, depression, intolerance to others, severe ill-health, drug and alcohol abuse, and for some, anger and a propensity for violence. It is all too common to see a life go 'bust' in this fashion.

A balanced approach to life in terms of your attention to work, family, friends and self, guards against such self-destruction. The balance needed will change as your circumstances change over the short and long terms and you need to be sensitive to these shifts. Above all, you need to be active, not passive, in how you think about these matters and get the model to work for you.

Interestingly, when this model is presented to the Harvard Business School residential course participants, a passionate discourse ensues, as the realisation hits that many are heading towards a busted life or perhaps are already there. At the end of this course it is usual for a third to a half of the participants to embark upon a career change in an effort to get control of the model and their life.

A bit of a post script about the model. There are times you need to look at how you use the model through the eyes of others. For example you can get so close to family that your loved ones can feel the need for more breathing space. As some of my friends have remarked, 'I married him/her for better or worse, but not for lunch!'

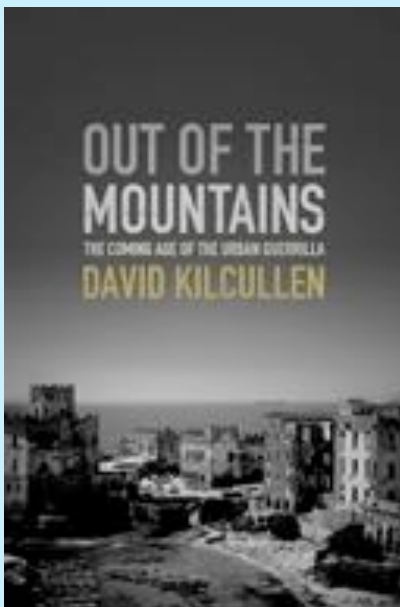
On behalf of the Council of the Royal United Services Institute of South Australia, may I wish you all a Merry Christmas and a Happy and Healthy New Year. Travel safely and enjoy the time with family and friends.

Brent Espeland

President RUSI-SA

December 2014

RECOMMENDED READING



“Out of the Mountains”
by David Kilcullen is based on the coming of age of the urban Guerrilla.

This is a book about future conflicts and future cities, and about the challenges and opportunities that four powerful megatrends--population, urbanisation, coastal settlement, and connectedness--are creating across the planet.

For more details, see <https://global.oup.com/academic/product/out-of-the-mountains-9780199737505?cc=au&lang=en&#>

PATRON

The recently appointed Governor of South Australia, His Excellency the Honourable Hieu Van Le AO, has agreed to be the Patron of the RUSI of SA.



His Excellency the Honourable Hieu Van Le AO with his wife Mrs Lan Le.

His Excellency is thought to be the first Vietnamese-born person to be appointed to a Vice-Regal position anywhere in the world. He and his wife left Vietnam by refugee boat in 1977, following the end of the Vietnam War, and travelled to Darwin via Malaysia. They later settled in Adelaide, spending three months in the Pennington Migrant Hostel. His Excellency was awarded the Australia Day Medal in 1996 for outstanding service to Australian Securities and Investment Commission and has been awarded the Centenary of Federation Medal for service to the advancement of multiculturalism.

On Australia Day 2010, he was appointed as an Officer of the Order of Australia for service to the community of South Australia. Hieu Van Le has also been awarded an Honorary Doctorate from both Adelaide and Flinders Universities.

For more details of the Governor of South Australia and his office, please visit

<http://www.governor.sa.gov.au/>

from where this information and the photograph were obtained.

Monthly Luncheons

Monday 2 February 2015

Speaker: SQLDR Peter Tippner, Fixed Wing Flight Commander, Aircraft Research and Development Unit (ARDU)

Subject: ARDU and F/A-18 Operations

Please note that there are no luncheons scheduled for January 2015.

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.

AIR WARFARE DESTROYER

The Government has taken the next major step to put the \$8.5 billion Air Warfare Destroyer program back on track to deliver critical capability for the Royal Australian Navy.

Following a competitive procurement process, BAE Systems, Navantia SA and Raytheon Australia will take on increased roles in the Air Warfare Destroyer program for an interim period. Their increased involvement will drive immediate improvements in shipbuilding performance.

The Government is committed to putting this important Defence project back on track and stop the growing cost and schedule overruns we inherited from our predecessors by implementing the Reform Strategy recommended by Professor Donald Winter's Independent Review of the Air Warfare Destroyer program.

This focus on resolving outstanding productivity issues will ensure opportunities to improve performance for the duration of the project are maximised.

The outcomes of this interim period will also inform the Government's considerations on the Australian naval shipbuilding industry in the context of the 2015 Defence White Paper.

This interim period marks a turning point in the performance of ASC and its partners on this important project and will help renew confidence in the future of Australia's shipbuilding industry.

No decisions have yet been made about the long term arrangements for the Air Warfare Destroyer program.

The Air Warfare Destroyer Alliance Industry Participants – ASC Shipbuilder and Raytheon – will continue to be responsible for the construction and delivery of the three ships.

We are committed to working collaboratively and constructively with all stakeholders to ensure we realise both the critically important national security benefits of this program as well as its long term benefits for the Australian shipbuilding industry in the most efficient and effective way possible.



On 13 October 2014, Bryan Fahy, the Assistant Commissioner with SA Police responsible for countering terrorism addressed the subject "Terrorism - Should We Be Alarmed?"



Bryan Fahy spoke about how the terrorist threat for Australia was real, persistent and a permanent feature for Australia. He also discussed what the likely attack methods were, what the main targets are likely to be and how a terrorist attack could impact adversely on our social, cultural and economic well being.

The presentation started with examples of modern day terrorism which included the attacks in the US, including those on the World Trade Centre, Bali and Australian Embassy bombings, attacks in London, Mumbai, Norway and Boston.

Bryan also discussed how the terrorist activity in the Middle East impacts on Australia through sympathisers in Indonesia. He identified that whilst there are many terrorist groups, the main terrorist organisations include Jemaah Islamiya, ISIL and al-Qa'ida.

Bryan stressed that people committing terrorist acts are not doing so in the name of religion, even though they might say they are. Nothing about a terrorist activity is Islamic. These acts are being committed by criminals for greed and power. The vast majority of Muslims are decent community minded citizens who contribute positively to society and are equally abhorred by the actions of terrorists.

He identified that an attack in South Australia is just as real as anywhere in Australia, that the threat of terrorism is a national threat. Likely weapons of choice are from firearms or explosives or a combination of both and the main targets are that of critical infrastructure, places of mass gatherings, symbolic sites and public transport.

He identified that whilst there are alarming issues around the world regarding terrorism, we should not be alarmed but be vigilant and report suspicious activity to the police.

DEFENCE SCIENCE

Chief Defence Scientist Dr Alex Zelinsky has launched the *Forward 2035: DSTO Foresight Study* at the National Press Club in Canberra.

Speaking at a Defence Watch Industry Briefing, Dr Zelinsky reinforced that one of the DSTO's principal roles is to advise the Australian government on the science and technology best suited for defence and national security.

"...we examined new developments that may find a place in future Defence strategy and policy, such as those envisaged in the next White Paper; and we looked at how technological advances will ensure that Australian national security can maintain a competitive edge."

Dr Zelinsky stated that the study has done something completely different in the way it has imagined the future. For more details, see <http://www.dsto.defence.gov.au/news/2014/10/31/dsto-looks-forward-2035>

Vale

It is with regret that
the recent deaths of

MAJ Donald Hutton
and
CAPT Donald Keith Tremethick RFD ED,

members of the RUSI of SA,
were announced.

The Members of Council extend their
condolences
to their families and friends.

SUNDOWNER

This year, on Sunday 16 November, about 40 members with their partners and friends enjoyed the annual Sundowner at the Sergeants mess, Keswick, together with a barbecue.



Phil Dutschke, Meri Pappas and Fay Leditschke at the Sundowner

The event was efficiently arranged by Graham Sanders who was assisted on the day by a long-standing friend of his, Leslie 'Charlie' Hartman, a Sergeant with Military Police at Hampstead and who is also a member of SAPOL working at Transit Police. As Charlie is a current serving member of the Military, he fulfilled a requirement to be present and accountable for those RUSI-SA members and guests that attended the Sundowner, to ensure that we were not a security risk, terrorists if you like. He did this as a favour to Graham and assisted with the cooking of the BBQ.



Graham 'Charlie' Hartman

SUMMERFEST

On Sunday 22 February 2015, members, their relatives and friends are invited to attend a visit to the Army Museum of South Australia at Keswick Barracks.

The visit will commence at 10.30 with a barbecue lunch at about midday. Visitors will be able to return to the museum after lunch if they desire.

Cost will be \$25 per head and bookings with the secretary, which are essential, must be made by 16 February 2015.

This visit will give those who attend the opportunity to see some recent new displays, such as the Bailey Bridge and a WWI Gallery.

The Large Technology Objects team has recently restored an 1853 Smooth Bore 24 Pounder Howitzer, It was formally located in the Government House Grounds adjacent to the main gates.

For more information about the Army Museum of South Australia, visit <http://amosa.org.au> from where some of this information and the following photos were sourced.



Bailey Bridge



Smooth Bore Howitzer

KNOW YOUR COUNCILLORS

LT Graham Sanders (Retd) retired from the SAPOL after 45 years of Crime Scene Investigation and other associated activities, having reached the rank of Sergeant.

Graham earned the National Police Service Medal, and recently received the Third Clasp of the National Medal for that period of service to SAPOL.

He was involved in specialist activities within SAPOL which included the identification of deceased persons by a process called Disaster Victim Identification. He facilitated the identification of the bodies for the Whyalla Air Crash.

Graham is familiar with the use of Automated Number-plate Recognition Cameras and the system by which it operates on Australia's roads and has an understanding of how this equipment is used overseas.

Soon after they were married, both he and his wife, Kerry, were members, and later Advisors for Adelaide Royal Youth, which was operated under the control of the Department of Agriculture at the time.

At about the age of 20, he joined Apex at Unley, then served with Berri Apex, and finished up at Burnside Apex, with transfers for work, when at 40 years was made a Life Member.

He was a Swimming Instructor, Examiner and Workplace Trainer and Assessor for the RLSS at the Adelaide Aquatics and other swimming centres in South Australia and along the way, received the RLSS Service Medal and Service Cross, also the President's Trophy in 2008.

After completing National Service in the Corps of Signals, Graham joined the Army Reserve and completed Officer Training to be commissioned into the Australian Army as an Infantry Officer, reaching the rank of Full Lieutenant and serving for a total of 15 years.

Many years ago, his Police mates gave him the nickname 'Colonel' after the American executive Colonel Harland David Sanders, but neither of these people were ever Colonels in any Army.

He is the current secretary of the Unley Sub-branch of the RSL.

Graham has a personal interest in metal fabrication, and has a metal workshop in his shed. He is trying to develop his interest in fishing, and gardening when he gets the time.



The President and Members of Council wish all members and their families a happy, healthy and peaceful Christmas



LUNCHEON SPEAKER - NOVEMBER

On 3 November 2014, the Commanding Officer of No 1 Radar Surveillance Unit (1RSU), WGCDR Tracy Douglas, described the Jindalee Operational Radar Network (JORN).



During her talk, Tracy described the history of the over-the-horizon radar (OTHR), the current JORN system, some operational characteristics and the future of JORN as a Priority Industry Capability.

The OTHR resulted from post war experiments at Woomera and near Alice Springs. Project Jindalee started in the 1970s when advanced computing power made the system viable. The first aircraft was detected in 1976 and in 1983 the first ship was detected. In 1987, the Dibb Review supported the development of two further radars at Longreach in Queensland and Laverton in Western Australia together with a correlation centre located at RAAF Base Edinburgh in South Australia, as well as many sounder and receiver sites across the north of the country to measure and model the ionosphere.

Overall, JORN took 17 years to deliver and both major sides of politics supported its development.

1RSU was formed in Alice Springs in 1992, although RAAF personnel had been involved prior to this date. 1RSU moved to RAAF Edinburgh in 1999. The project was delivered in 2003 and immediately moved into phase 5 of the project. Phase 5 was completed in 2013 and provided integrated human machine interface (HMI) among many capability improvements and reduced cost of ownership.

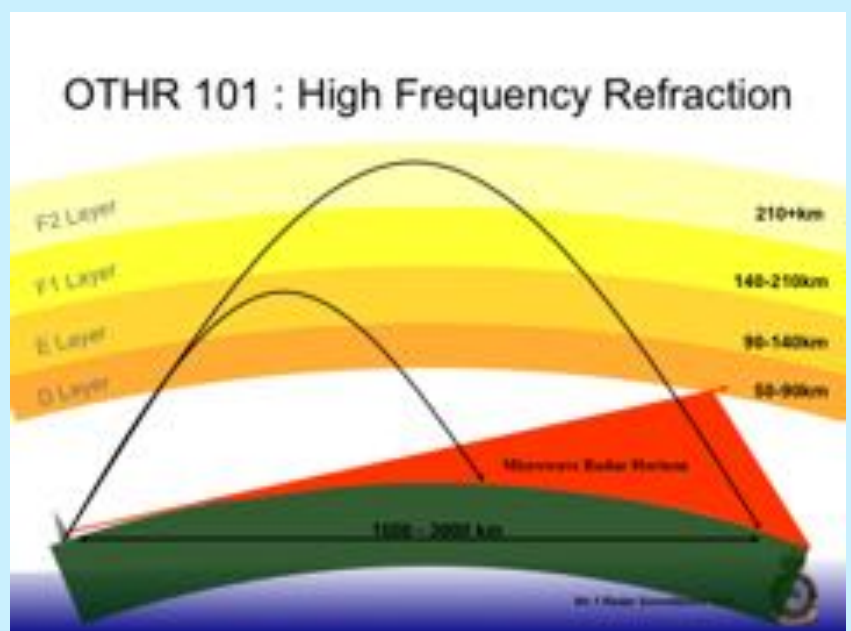
The unit mission is to conduct effective operations in the air, surface and space domains in support of Australia's national surveillance effort. The unit is relatively small, with fully contracted maintenance and logistic support. Tracy described the overall operation of the OTHR, which makes use of the ionosphere 50 to 210 kms above the earth.

The RAAF website at <http://www.airforce.gov.au/Technology/Surveillance44-Command-and-Control/Jindalee-Operational-Radar-Network/?RAAF-dq9yQKwX6WiiV2hNVcj38sG4oMWiAMtQ>



contains a link to fact sheets relating to JORN, which describe how the OTHR works.

The 2009 White Paper recognised HF radar as a Priority Industry Capability. Lessons learned from Phase 5 have seen the ADF invest in staff retention as a risk reduction activity leading into Phase 6. Phase 6 of the JORN project is now in progress, providing a significant investment in JORN technology mostly through hardware and software upgrades. The JORN capability is also part of the Defence Strategic Reform Program which is a joint effort between RAAF, DMO, DSTO and contractors. JORN continues to attract international interest as the best of kind capability. 1RSU is expanding to include space capabilities such as the C-Band Space Surveillance Radar and the Space Surveillance Telescope.



SIMPSON AND HIS DONKEY

The Simpson and his Donkey statue in Adelaide, pictured, was sculptured by an internationally renowned South Australian artist, Robert Hannaford AM.

The statue presents a very dynamic work of art in itself, let alone its symbolism to those who have provided Health Services to the Defence Force over nearly 100 years, since he was killed at Gallipoli on 19 May 1915. This project was initiated twelve years ago to commemorate 100 years of Army Health service and has evolved to represent all three Services.

To acknowledge and remember Simpson's death, along with the contribution of numerous others since then, a Commemorative Service at his statue on King William Road in Adelaide alongside the Torrens River is envisaged. Currently, there is progress with the Adelaide City Council to provide floodlighting of the statue, which is seen as an opportunity to have a service at dusk on Tuesday 19 May 2015 whereupon, within the Service, as the sun sets, the statue will be lit up.

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.

The Project includes the Development of an Audio-Visual connection to a smart phone App and links to the evolving SA Virtual War Memorial. A small plaque is planned to be unveiled commemorating the 100 years from Pte Simpson's death.

In recognition of the best annual secondary school essay on Gallipoli will be a small embedded bronze plaque with a carrot logo acknowledging the original main aim of the statue, which was to project the values of the "Simpson Legend" to future generations.



A carrot for the donkey has been placed every ANZAC Day since the unveiling of the statue. Maybe it is the "Order of the Carrot" that a proud Grandparent could show 100 years from now.

It is planned to have a local surrogate donkey present with the Corps coat worn and thus are seeking approval to have that shipped over, along with the Governor General's banner, which has replaced the Queen Mother's banner. Being a Tuesday night, an Army Reserve band may be arranged.

Through the Head of Corps, BRIG Steve Rudski AM, the Governor General, Sir Peter Cosgrove MC AC, as Colonel in Chief of the Royal Australian Army Medical Corps is being invited to attend. This would add a National dimension to the Service and to that end will explore, with support involving the ABC, with a view to televising

the Service nationally in order to pick up and encourage similar Services around the nation participating instantaneously. The event is not dissimilar to the Dawn Service on ANZAC day.

Following the Service, a dinner at the Torrens Training Ground adjacent to the statue across the river, is planned.

It is hoped that the event will be subsidised so that nobody feels they cannot attend for financial reasons. The aim is for all to share.

It is my information now, that 3 Field Ambulance (Pte Simpson's Unit), the first medical unit ashore at dawn on April 25 1915, left from the Torrens Training Ground and the associated depot.

Given that a large proportion of 3 Field Ambulance was raised and came from South Australia it seems fitting that this national celebration occurs at the statue whose very beginning was a celebration of 100 years of the Australian Army Medical Corps and the fact that Private Simpson was posted to 3 Field Ambulance.

Written by **BRIG Rob Atkinson AM, RFD, FAMA (Retd)**, Representative Colonel Commandant, Royal Australian Army Medical Corps, Vice President RUSI of SA.

BRIG Atkinson is a member of the ADF Health Service Memorial Committee responsible for the design and development of this project.

He is interviewed on the subject by *SA Life* at <http://www.salife7.com.au/adelaide/people/interesting/simpson-and-his-donkey---unveiled>