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In This Issue

What the Prez Sez	1
From the Editor	2
AGM	2
New Members	3
Anzac Day	4
75 th Anniversary Spirits	5
Did You Know?	6
Corps Happenings – Plan	
Centaur	8
Vale & Sick Parade	9
Upcoming Events	10

“The Role of the RAEME Association (WA) Is to represent the RAEME family by enabling them to connect through a central hub with personal and professional networks both locally and nationally”

What the Prez Sez

Welcome to the first Horses mouth for 2017. It only seems like yesterday that I was given the privilege of becoming your association's president. A key feature of a vibrant association is an active membership and I encourage you all to take an active role in the events the association conducts. I look forward to catching up at the Mad Dog's Bar on ANZAC Day.

Dick Fenton, President RAEME WA

From the Editor

Welcome to the pre ANZAC Day Horses Mouth. Once again we are meeting in the Mad Dog's (Howling) Bar on the corner of Hay and Milligan commencing at 1100 and all the relevant details are below. First off however is a bit of a summary of what has been going and what is planned.

AGM

The AGM was held on Saturday October 29th at the Lake Monger Recreation Club (the old Bowling Club) and commenced at 11.00. Lunch was provided but the humid and stormy weather resulted in only 25 or so members attending. The following members were elected to the committee:

President	Dick Fenton
Vice President	Peter Collins
Treasurer	Peter Sills-Ohlsen
Secretary	Vacant
Webmaster	Alex Smithers
Regional Representative	Vacant
Membership Officer	Perry Beor
Assistant Secretary / Editor Horse's Mouth	Perry Beor
Welfare Officer	Julia Mackay-Koelen
Committee Members	Phil Pitchers; Matthew Simpson, Grant Stinson, Mick Nolan



Although the attendance was down on previous years, those who attended were treated to a great meal and the talk by David Singer about his experiences in Afghanistan and the impact it had on him and his friends, was eye opening and inspiring. Thanks David for taking the time to share.

RAEME Birthday



The 2016 RAEME birthday celebration was held at the Army museum in Burt St Fremantle – 113's home for many years on Saturday 26th November. Approximately 35 members and family attended and all enjoyed the personalised guided tours of the Museum and the following lunch and birthday cake.



New Members

The Association would like to welcome the following new members:

- Jim McDonald;
- Gary Edmonds;
- Emma Elphinstone;
- Robert Brockwell; and
- Brendon Brewer

Anzac Day

All RAEME Association of WA members and families are invited to attend the after march function at Maddog's Jungle Bar (formerly The Howling's Bar).

Please note a special license will be obtained (subject to approval) to open at 1100 h.

Cost: As per last year - \$20 for members (and to renew) and \$25 for guests

For those that have paid membership / renewed prior to ANZAC Day get an extra ticket for the door prize.

Food will be available.

This year is bound to be even better so make sure you contact all your mates and get them there.



75th Anniversary Spirits

The Association has closed the first run of 75th Anniversary RAEME Spiced Rum and American Bourbon at 80 bottles, with a second run planned for orders taken after ANZAC Day.

These bespoke small batch spirits are produced locally by The Grove Experience in Western Australia (<http://www.thegroveexperience.com.au>).

The normal sale price for these spirits at the distillery is normally \$90 per bottle. We are offering the spirits to our members at the sale price of \$70 per bottle

All order received to date will be dispatched around the 10th of April so that they will be at your collection point before Anzac Day. Orders placed after the 10th of April will be dispatched as soon as practical.



***If Mikhail Kalashnikov
can have his own Vodka,
we can have our own
Rum and Bourbon!***

You can place your orders at our shop <http://wa.raeme.org.au/index.php/shop> Remember that you can save yourself \$20 in freight if you arrange to collect your order!

ADVERTISE HERE

To advertise your products and services to a select audience comprising of trade and engineering professionals, simply email the editor (horsemouth@wa.raeme.org.au). All income goes back to supporting the association members.

???Did You Know???

Whitworth

The British Standard Whitworth was the world's first national screw thread standard and was invented by Joseph Whitworth in 1841. For the purists it is has a 55° thread angle and a thread depth of $0.640327p$ and a radius of $0.137329p$, where p is the pitch.

British Morris and MG engines from 1923 to 1955 were built using metric threads but with bolt heads and nuts dimensioned for Whitworth spanners and sockets due to Morris Motors taking over the French [Hotchkiss](#) engine works in 1919 which had moved to Coventry during the First World War. The Hotchkiss machine tools were of metric thread but metric spanners were not readily available in Britain at the time, so fasteners were made with metric thread but Whitworth heads.

Crescent

The adjustable spanner was actually invented by an English engineer Richard Clyburn in 1842 and in many European and Middle Eastern countries it is still termed an English key. The Crescent tool company of Jamestown New York only started making them in 1907

Monkey

The Monkey wrench was not invented by Charles Moncky as often quoted but was in fact a general term in use in England for any handle set coach spanner. The popular monkey wrench was actually produced by a knife manufacturer Loring Coes from Worcester, Massachusetts in 1840.

Stillson

The Stillson was patented by Daniel Stillson a mechanic from Cambridge, Massachusetts in 1869,

Now one for the Gun Plumbers (and RAEMEATION)

While it is generally known that the M60 GPMG is considered by many to be a US derivative of the German MG42 (and as few ex Wermacht Gun Plumbers who ended up in Bandiana maintained - a vastly inferior derivative) this is not the only example of countries copying each other's weapons

The Swiss designed 20mm Oerlikon MG FF became the primary weapon of the German Luftwaffe early in the war but also the basis for the French Hispano-Suiza Type 404, or HS.404, which became the primary British 20 mm cannon later in the war as well as the Japanese Type 2, and the US Navy's Colt-Browning Mk 12 20 mm carried later in the war by the F4U- 1C Corsair and F8F-1B Bearcat and later used in the F-4D Skyray, F-3 Demon, A-4 Skyhawk, F-8 Crusader, and A-7 Corsair II variants.

A 30 mm variant of the Mauser MG 213 also became the template for a generation of post-war aerial cannon. These included:

- The RAF's ADEN (Armament Development Establishment / Enfield) 30 mm gun, used in the English Electric Lightning, Folland Gnat, Indian HAL Ajeet, Hawker Hunter, Gloster Javelin, Saab Lanser, Saab Draken, Supermarine Scimitar, CAC Sabre and early Harriers;
- The French 30 mm DEFA 550 series, used in the Dassault MD 450 Ouragan, Dassault Mystere, Mirage III/V, Dassault Etendard and Super Etendard, Sud Aviation Vautour, Mirage F1, French SEPECAT Jaguar, Mirage 2000, IAI Neshar, IAI Kfir, IAI Lavi, Aeritalia G-91Y, Aermacchi MB-326K, and Atlas Cheetah; and

- The American 20 mm Pontiac M39, used in the F-86H Saber, F-100 Super Saber, F-101A and F-101C Voodoo, and the F-5 Freedom Fighter / Tiger II

Now something for the Greasers

A number of the older VM's and recce mechs would have fond memories of their terminal trade test of tuning a Rolls Royce Meteor and probably knew it was derived from the Rolls Royce Merlin aero engine but did you know how that came to be?:

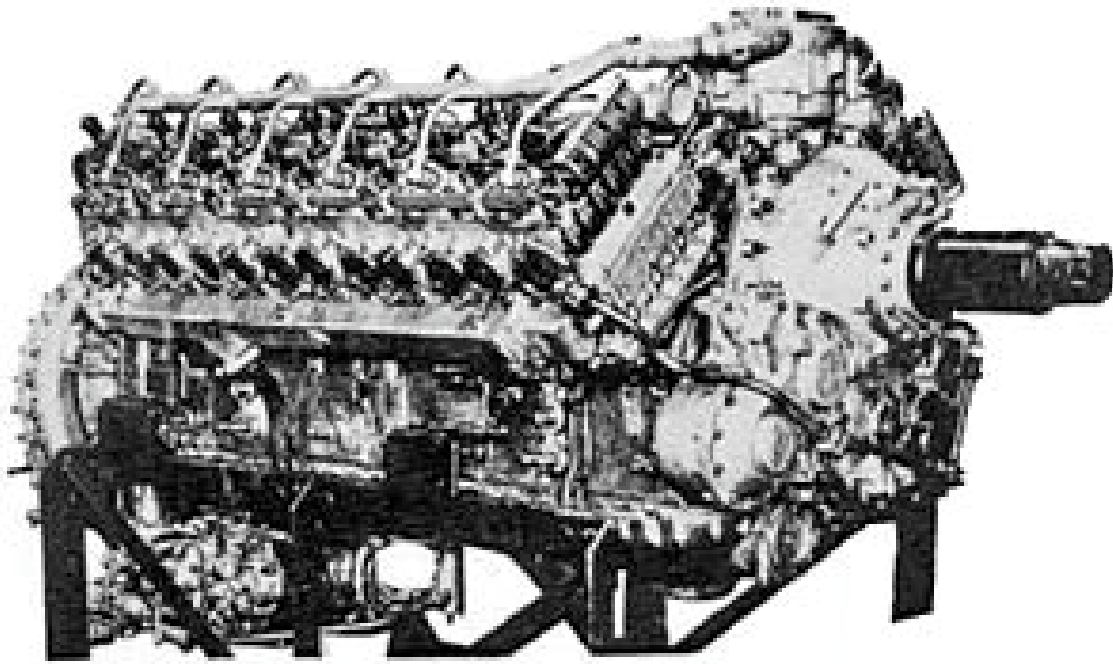
The Rolls Royce chassis division had been collecting and refurbishing recovered Merlin engine parts from crashed aircraft since the beginning of the war. While these were unsuitable for re-use in aircraft, they had hopes of finding a use for them. In 1941 they were approached by Leyland to assist with developing a new tank power plant – so the Mark 1 Meteor was born.

The major change for tank use was reversing the direction of engine rotation. Automotive gearboxes ran the opposite way to an aircraft propeller, and changing direction required modification of the camshaft lobes. The Merlin had its supercharger, reduction gear, and other equipment removed from its crankshaft, greatly simplifying its construction. To enable fitting in-line a Merritt-Brown gear (and steering) box, the engine was lowered. A new flat sump was created, and the oil pumps changed. The new engine also had cast, rather than forged, pistons, and was de-rated to around 600 bhp (447 kW), running on lower-octane petrol instead of high-octane aviation fuel.

An enthusiast recently installed one in a classic Bentley and even got it on Top Gear



Another more obscure Rolls Royce development was the Rolls-Royce Crecy, a 1,536cu.in (26L) 90-degree, V12, liquid-cooled TWO STROKE! It featured sleeve valves and direct petrol injection and was intended for a higher-speed "sprint" variant of the Spitfire. It was designed to achieve 2,729 hp (2,035 kW), though some tests indicated that it had the potential to reach almost double this.



CORPS HAPPENINGS – PLAN CENTAUR

Plan CENTAUR Phase 3 commenced in November 2016. Director-General, Brigadier David McGahey said “this Phase will focus specifically on enhancing operational capability while improving maintenance efficiencies in barracks.” It will deliver a series of maintenance reform and improvement projects to Army in stages over a three-year period. This phase has particular focus on the primary Armoured Cavalry Regiments vehicle and support systems being M1A1 Tank, M113 personnel carrier and ASLAV reconnaissance vehicle. However, it will give consideration to broader application across Army and enabling agencies.

The primary effort of Phase 3 centres on the Combat Brigade locations (Townsville, Darwin and Brisbane) while giving regard to other locations that contribute to the maintenance effect. Phase 3 is broken into three stages aligned to financial years. Stage 1 includes twelve priority projects schedule to be complete by 30 June.

Over the last month projects have focused on stakeholder engagement, with highlights including:

- Lean project delivered training to 2/14 LHR (QMI) with workshops planned in 1 and 7 Bde from March to June.
- The FORGEN Demand project conducted a desktop simulation with 2/14 LHR QMI to understand requirements for training activities and training levels. These simulations will continue in 1 and 3 Bde in March.
- The Portable ICT Devices project has engaged stakeholders across Army, LEA and CIOG to develop ICT options to pilot with maintainers.

- Initial analysis of Reverse Supply Chain processes is complete with revisits of development underway.

At Program level the focus has also been engagement with the establishment and mobilisation of the CENTAUR Change Agent Network (CAN) in February. This network comprises members from across Army with an interest in the outcome of Plan CENTAUR. The role of the CAN is to champion the Program and promote its benefits in their organisations.

This article was original printed in the Queensland Association's News Letter in March 2017.

Vale



Lest we forget.....

Full details are on the RAEME Website: <http://www.wa.raeme.org.au/index.php/notices/vale-alt>

Below are the list of Corp members who have fallen.....

Name: Brown, Stuart
Rank: Not Provided
Regimental No: Not Provided
Trade: Not Provided
Year Joined: Not Provided
Years Served: Not Provided
Date Deceased: 29 Nov 16

Name: Power, John
Rank: MAJ
Regimental No: 5/8610
Trade: 9th Class Appy
Year Joined: 01 Jan 56
Years Served: Not Provided
Date Deceased: 01 Nov 16

Name: Spence, Ian William
Rank: Not Provided
Regimental No: 55266
Trade: Not Provided
Year Joined: Not Provided
Years Served: Not Provided
Date Deceased: 24 Oct 16

Name: Dean, Eric
Rank: Not Provided
Regimental No: Not Provided
Trade: Not Provided
Year Joined: 22 Nov 16
Years Served: Not Provided
Date Deceased: 22 Nov 16

Name: Spence, Ian
Rank: SGT
Regimental No: 55262
Trade: Not Provided
Year Joined: Not Provided
Years Served: Not Provided
Date Deceased: 23 Oct 16

Sick Parade

Thankfully there is no one recorded for WA. If you know one of our brethren who is not travelling well and would benefit from a visit; email Welfare via the contact us page with their details.

<http://wa.raeme.org.au/index.php/contact-us>

Check the website for the up to date listing.

<http://wa.raeme.org.au/index.php/notices/sick-parade>

The Washington Post Neologism Competition

Every year The Washington Post runs an annual competition in which the readers of the newspaper are asked to submit alternative meanings to existing words. The results are often extremely amusing. Here are examples of Washington Post neologisms:

1. **Coffee** (n.), the person upon whom one coughs.
2. **Flabbergasted** (adj.), appalled over how much weight you have gained.
3. **Abdicate** (v.), to give up all hope of ever having a flat stomach.
4. **Esplanade** (v.), to attempt an explanation while drunk.
5. **Willy-nilly** (adj.), impotent.
6. **Negligent** (adj.) describes a condition in which you absentmindedly answer the door in your nightgown.
7. **Lymph** (v.), to walk with a lisp.
8. **Gargoyle** (n.), olive-flavored mouthwash.
9. **Flatulance** (n.) emergency vehicle that picks you up after you are run over by a steamroller.
10. **Balderdash** (n.), a rapidly receding hairline.
11. **Testicle** (n.), a humorous question on an exam.
12. **Rectitude** (n.), the formal, dignified bearing adopted by proctologists.
13. **Pokemon** (n), a Rastafarian proctologist.
14. **Oyster** (n.), a person who sprinkles his conversation with Yiddishisms.
15. **Frisbeetarianism** (n.), The belief that when you die, your Soul flies up onto the roof and gets stuck there.
16. **Circumvent** (n.), an opening in the front of boxer shorts worn by Jewish men.

Upcoming Events

For all upcoming events you can visit the Association Website at www.wa.raeme.org.au

RAEME Spanner Club Friday 7th April @ 1400h - SASR Association House

BLUF: TST SASR are hosting the first RAEME Spanner Club for 2017.

5Ws:

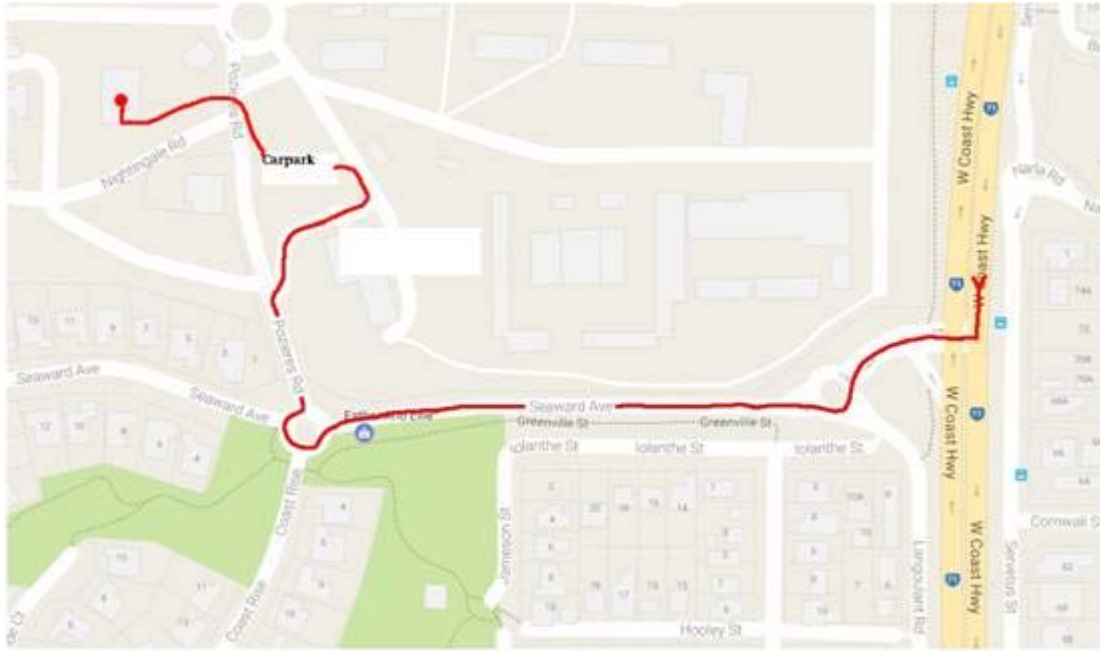
WHO: RAEME personnel within Perth Metro (& WA region where possible)

WHAT: First Spanner Club of 2017

WHEN: 7th April 2017 - start time 1400h through to 1700h

WHERE: SASR Association House (see below map)

WHY: Meet and greet fellow members of the Corp and because it's the done thing...



There will be a display from ARB and Snap On. TST SASR will also be running a series of raffles through the afternoon of select items with proceeds raised going towards support of Legacy WA.

The map above details the route to the Defbank car park coming off from West Coast Hwy. SASR Association house is down the steps located on the bottom side of the car park.

(For those of us that are not always up with all the acronyms... BLUF = Bottom Line Up Front!)

ADVERTISE HERE

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