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ISSUE 4 – JUNE 2013

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SOLDIER ON IS ABOUT THE ANZAC SPIRIT, AND MATESHIP AND ALL AUSTRALIANS KEEPING THEIR PROMISE TO TAKE CARE OF OUR WOUNDED WARRIORS.



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Our wounded have done their part for Australia, they have given their best. Thousands have wounds, some you can see and some you can't. It is now Australia's turn to look after them, please give generously and make a difference in our wounded warriors lives.

Issue 04 – June 2013

COMBAT Camera



**EX CHONG JU
BURNS PUCKA**

Page 36

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I recently went away for four weeks working as an Army Reserve reporter/photographer – and was reinvigorated.

I got great satisfaction and success from my photography and, while the style of writing is a little more cramped, I enjoyed that too.

But, the biggest benefit I got from this trip was personal and physical. I think it was down to the fact that I was among 'real soldiers' again that inspired me. I cut back on my eating habits and did a little more exercise than usual – and lost 8kg in the process.

That aside, though, the reason I mention this is because I want/need to explain my relationship with Defence in regards to how it affects **COMBAT Camera** and **CONTACT Air Land & Sea**.

You see, there is actually a potential for conflict of interest between my two pursuits. As a Reservist, I do actually get privileged access to military activities that other editors cannot.

But, recognising that advantage (and having it spelt out to me by Defence), I can assure you and anyone else who might be concerned about it, that all the materiel I produce as a Reservist is submitted to Defence, vetted and cleared and made publically available.

And, the materiel I use in these magazines, which is in any way associated with my access as a Reservist, is only that which is cleared, vetted and publically available.

I do not hold back 'good stuff' for my own use. To do so would jeopardise my privileged relationship with Defence – and I have absolutely no desire to do that.

Sincerely,

Brian Hartigan
Managing Editor

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First UK UAV wings

In the first graduation ceremony of its kind for the Royal Air Force, four British pilots were awarded RPAS (remotely piloted aircraft systems) pilots badges at Creech Air Force Base in Nevada, USA, in April.

The graduation followed an announcement in December of the creation of a specialised flying branch for those flying remotely piloted aircraft, recognising the growing complexity and capability of RPAS and their increasingly pivotal role on operations.

An RPAS pilot badge differs from regular pilot badges by the inclusion of blue laurel leaves. RAF's Deputy Commander-in-Chief Operations Air Marshal Richard Garwood awarded the first badges to the newly qualified pilots, saying, "This first graduation makes clear not only the RAF's commitment to this pivotal technology, but the associated need to produce highly qualified pilots devoted to fully exploiting RPAS capabilities".

The RAF has two RPAS squadrons – 39 Squadron based at Creech AFB, and 13 Squadron at RAF Waddington, Lincolnshire.

RAF currently flies the Reaper MQ-9, which can be armed but is used primarily for intelligence, surveillance and reconnaissance (ISR) support.



RAF Deputy Commander-in-Chief Operations Air Marshal Richard Garwood poses with four newly graduated RPAS pilots (who were not named by the UK MoD) at Creech Air Force Base, Nevada, USA.



An X-47B unmanned combat air system (UCAS) demonstrator conducts a touch-and-go landing on the flight deck of the aircraft carrier USS George H.W. Bush (CVN 77). This was the first time an unmanned aircraft completed a touch and go landing at sea. USS George H.W. Bush was conducting training operations in the Atlantic Ocean.

US Navy photo by Mass Communication Specialist 2nd Class Tony D. Curtis

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Back to business

The soldiers of 20 Brigade Queens Royal Hussars (QRH) got back to basics with their Challenger 2 tanks earlier this year at Hohne ranges in Germany after working in different roles in Afghanistan.

It's been three years since QRH had a chance to fire the Challenger 2 main battle tank,

after Op Herrick 15 saw them taking on ground-holding roles in Warthog vehicles.

Many of the crews also have new gunners and drivers, so this latest shakeout was a great chance for them to relearn core roles and bond as fighting units.

The British Army Training Unit Suffield in Canada (BATUS) is

next on the agenda for the QRH as they learn to fire their tanks as part of a battlegroup, on Exercise Prairie Thunder.

Regimental Sergeant Major QRH WO1 Matt Campbell said it was fantastic to see his boys back in their core role and getting back to working as crews on their own vehicles.



Ireland retired its fleet of Panhard AML 90 armoured vehicles with one last shoot in the Glen of Imaal on 30 April.

Over a period of almost 50 years, the Panhard fleet has seen extensive service both at home and abroad including firing in action in the Battle of At Tiri

in Lebanon in 1980, as a Quick Reaction Force (QRF) to injured civilians during the Grapes of Wrath offensive in Lebanon in 1996 and were used in an armoured reconnaissance role during violence in Monrovia, Liberia, when intensive rioting began in 2004.

Following an upgrade programme in the 1990s when diesel engines were fitted and the vehicles re-turreted, the operational life of the fleet was extended.

However, the Panhard fleet of AML 90s and 20s was officially retired on 1 May 2013.

Out with a bang

Annual Proclamation

In the name of God and of the dead generations from which she receives her old tradition of nationhood, Ireland, through us, summons her children to her flag and strikes for her freedom...

So begins a proclamation from the Irish rebels of 1916, read outside the General Post Office on what is now called O'Connell St in

Dublin – and re-read on a formal parade at the same site each Easter Sunday by a junior officer of the Irish Army, to remind the people of Ireland that their freedom from British rule was hard won less than 100 years ago.

The honour of reading the proclamation this year fell to Captain Eoin Rochford who said, "It was an absolute honour".

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Currently we support the families of over 100,000 deceased veterans. But this number continues to grow, with many Australian servicemen and women participating in active service in the Middle East and on combat missions around the world.

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NEWSIE BITS



New Zealand has ordered a fleet of up to 200 new trucks from Rheinmetall MAN for about \$135 million. The trucks will replace the 30-year-old Mercedes Unimog and mixed heavy-truck fleets. The new trucks will come in three sizes – 6-tonne, four-axle; 9-tonne, six-axle; and, a 15-tonne, eight-axle variants. All the new trucks will arrive by the end of 2014 and will be fully introduced into service by 2015.



NZ Navy frigate HMNZS Te Mana spent more than a month playing diplomat in South East and North East Asia in May/June. After participating in Exercise Bersama Shield, a Five Power Defence Arrangements exercise also involving Australia, Malaysia, Singapore and the UK, based out of Singapore, the ship moved on to visit ports in Vietnam, China, Republic of Korea, Japan and Guam. Te Mana returns to New Zealand in June.

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Joint Fires Team rehearsals



Australian forces in Afghanistan have conducted a joint live-fire exercise at Tarin Kot, to maintain their combat readiness and enhance integration with Coalition forces. The activity involved United States UH-60 Blackhawks for troop insertion and AH-64D Apache gunships firing on target areas designated by the 7th Battalion Royal Australian Regiment Task Group Joint Fires Team (JFT).

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3RAR remembers the...



Battle of Kapyong

kapuyong day 2013



PHOTOS BY PRIVATE JARED LACEY



Outnumbered five to one, two infantry battalions and a company of tanks bore the brunt of an assault by an entire Chinese division in a hard-fought defensive battle that ultimately saved Seoul.



Kapyong day 2013



Kapyong Day is a significant commemoration for the 3rd Battalion, the Royal Australian Regiment (3RAR), which is now based in Townsville, Queensland.

On 24 April each year, the battalion remembers the Battle of Kapyong, Korea, in which 3RAR, along with the 2nd Battalion, Princess Patricia's Canadian Light Infantry (2PPCLI) and a company of US tanks supported by US and

NZ guns, maintained defensive positions against a massive onslaught by the Chinese Army, from 22 to 25 April 1951.

In recognition of their actions, the units involved were awarded the US Presidential Distinguished Unit Citation, a decoration worn to this day by members of 3RAR.

This year's parade and family open day was fittingly enhanced by two M1A1 Abrams tanks.



Kapuyong day 2013

CASUALTIES:

Australia - 32 killed, 59 wounded, three captured

Canada - 10 killed, 23 wounded

America - three killed, 12 wounded, two tanks destroyed

New Zealand - two killed, five wounded

China - more than 1000 killed, many more wounded



3RAR's Anzac Day

PHOTOS BY PRIVATE JARED LACEY



3RAR's Anzac Day

For the first time since Korea, the colours of 1RAR, 2RAR and 3RAR parade together



Anzac Day



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Exercise Chong Ju 2013

Exercise Chong Ju is a military firepower demonstration regularly held at Puckapunyal Military Area near Seymour in Victoria.

The exercise is designed to demonstrate current Army and Air Force fighting vehicles, helicopters, airplanes and weapons to officers undertaking advanced training, and to other invited guests, including media.

Photos by Sergeant John Waddell

Exercise Chong Ju 2013

This year's demonstration included M1A1 Abrams tanks, Australian Light Armoured Vehicles (ASLAV), M113A54 armoured personnel carriers (APCs), ARH Tiger (armed reconnaissance helicopters), 155mm Howitzers, as well as soldiers demonstrating mounted-infantry tactics and fire-support weapons, including 81mm mortar and a Javelin anti-armour missile.



Exercise Chong Ju is named after a battle in North Korea in 1950 when the 3rd Battalion, Royal Australian Regiment (3RAR), supported by tanks and artillery, attacked and captured a large North Korean defensive line.

Exercise Chong Ju 2013



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Long and lonely road

SASR



Long and lonely road



'SAS selection' is a demanding course designed to identify self-disciplined soldiers and officers capable of working effectively as part of a small group under stressful conditions for long periods. Incredibly high standards are demanded because difficult mental, physical and emotional challenges can be encountered by NZSAS soldiers on real missions. Candidates are rigorously assessed to determine their aptitude and suitability to begin training with the NZSAS. However, successful completion of the selection course does not guarantee a place. Only the most motivated applicants will go on to the next level – the rigorous training of the NZSAS. Long and intensive physical and mental training cycles follow. The program involves building numerous skills, including navigation, weaponry, medical and demolition work – all-corps skills required to be an effective member of the SAS. Candidates who complete the initial training cycle are accepted into the unit at a badging ceremony where they receive the coveted sand-coloured beret and blue belt.



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ATTACK SIX

WORDS AND PHOTOS BY LEADING SEAMAN JO DILORENZO



**HMAS BATHURST'S
(ATTACK SIX) BOARDING
PARTY DISPLAYED THEIR
PROFESSIONALISM IN
FRONT OF AN INTERNATIONAL
AUDIENCE DURING THE WESTERN
PACIFIC MULTI-LATERAL SEA
EXERCISE (WMSX) 2013 AT SENTOSA
ISLAND, SINGAPORE, IN MAY**



Bathurst boarding party impresses Singapore

Invited by The Republic of Singapore Navy (RSN) to participate alongside six other nations, HMAS Bathurst's crew conducted various scenarios at the Police and Coast Guard training simulation facility.

The facility stands seven decks tall with a full-size bridge, mess decks, engine rooms and stacked containers, providing an interesting challenge for Bathurst's six-person boarding party.

Attack Six boarding officer Lieutenant Nicholas Graney said the party's scenario was to conduct a piracy search at the request of the ship's master.

"It wasn't the normal kind of boarding my team conducts, but we embraced the opportunity," Lieutenant Graney said.

"This was a really worthwhile experience that allowed us to step outside our

normal operating environment and also watch how other nations conduct boarding operations.

"And, having a female on the Bathurst team created a unique difference and generated a lot of interest among the other nations."

The female in question, Able Seaman Kea Spafford, said she really enjoyed the challenge.

"That was the reason I joined the Navy – to conduct boarding operations," she said.

"And the Singaporean facility was fantastic."

Lieutenant Graney said that through their efforts to clear all required compartments and apprehend role-players, his crew really impressed the senior Singaporean Navy instructor.





HMAS Toowoomba's Seahawk helicopter and boarding party engaged in a major live-fire exercise in the Middle East Area of Operations in April.

The exercise was part of the ship's routine skills evaluation and enhancement program.

HMAS Toowoomba is in the Middle East Area of Operations providing Australia's maritime security component of Operation Slipper.

She entered the MEAO in January this year and is nearing the end of her current rotation.

Photo by Corporal Janine Fabre



ADF-funded road opened

Clockwise from below: Privates Joel Wignell and Ben Telfer-Daulby scan a section of road during final inspection of the ADF-funded \$4.2 million project in the Mirabad Valley, Uruzgan province, Afghanistan; – Australian Bushmasters pass Afghan farmers on the new Mirabad Valley road; – Corporal Stephen Bristow from the 7RAR Task Group patrols across farmland during the final inspection of the new Mirabad Valley road; – Corporal Stephen Bristow, 7RAR Task Group, patrols past an Afghan farmer; – Soldiers from the 7RAR Task Group patrol the newly completed road.

Photos by Major Chris Linden



Navy in the desert

Royal Australian Navy clearance diver explosive ordnance technicians at Multi National Base - Tarin Kot, Afghanistan – front row (l-r) Lieutenant Robert Woodall, Chief Petty Officer Luke Graham and Chief Petty Officer Andrew Keitley and, back row, Petty Officer Christian O'Neill and Leading Seaman Dale Johns.



PHOTO LEADING SEAMAN ANDREW DAKIN

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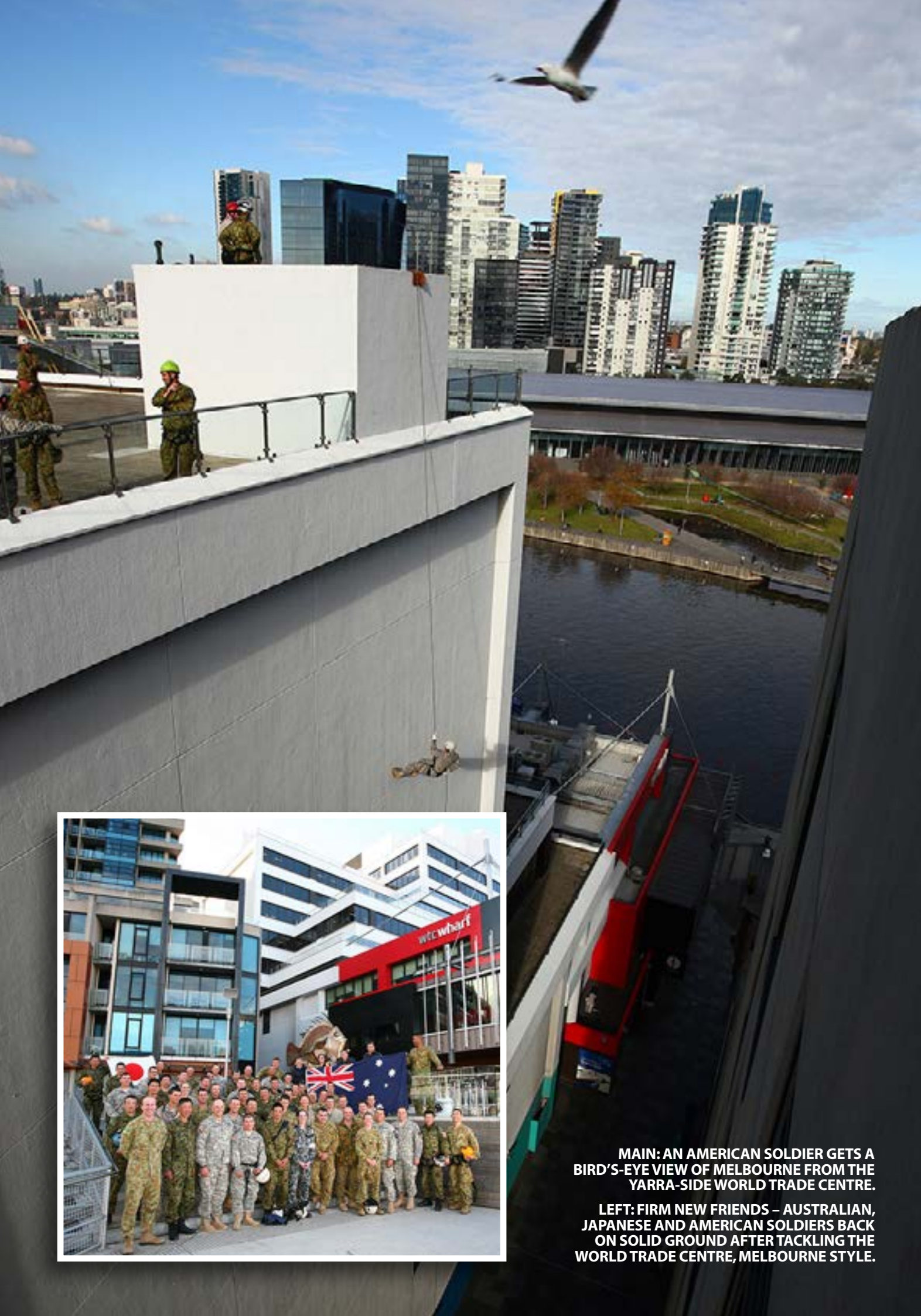
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NATIONS IN AUSTRALIA FROM 18 TO 26 MAY ON EXERCISE...

Southern Jackaroo



Defence says Exercise Southern Jackaroo was an important step forward in trilateral defence cooperation between the Pacific rim nations, which saw Australian Army, Japan Ground Self Defense Force and US Army soldiers participate in skills-based live-fire training and adventurous training at Puckapunyal and Melbourne in May. During the exercise, personnel from each of the three nations participated in live-firing activities focused on advanced marksmanship skills in simulated urban and bush terrain, as well as adventurous training including abseiling from tall buildings in the Melbourne CBD. Over the past year, trilateral ground cooperation between Australia, Japan and the US has strengthened, with the Chief of the Australian Army attending a senior-level seminar between the Japan Ground Self Defense Force, US Army Pacific and US Marines Forces Pacific, while earlier in May, Japan, the US, Australia and 14 other nations also participated in the Australian Army Skill at Arms Meeting at Puckapunyal.





MAIN: AN AMERICAN SOLDIER GETS A BIRD'S-EYE VIEW OF MELBOURNE FROM THE YARRA-SIDE WORLD TRADE CENTRE.

LEFT: FIRM NEW FRIENDS – AUSTRALIAN, JAPANESE AND AMERICAN SOLDIERS BACK ON SOLID GROUND AFTER TACKLING THE WORLD TRADE CENTRE, MELBOURNE STYLE.

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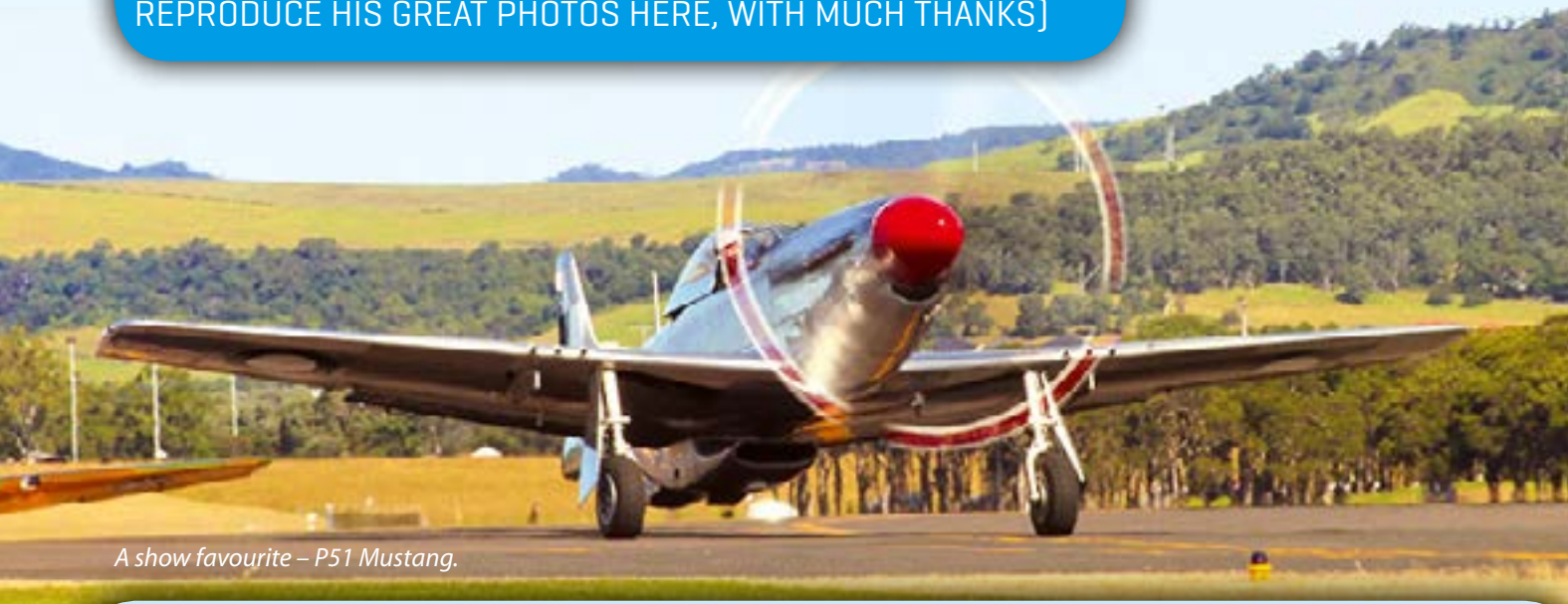


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ON **SUNDAY 5 MAY**, ALBION PARK, SOUTH OF WOLLONGONG, PLAYED HOST TO ONE OF AUSTRALIA'S BEST REGIONAL AIR SHOWS – **WINGS OVER ILLAWARRA**

PHOTOGRAPHER **GLENN FENWICK** WAS THERE TO CAPTURE THE ACTION (BUT I FORGOT TO GIVE HIM DUE CREDIT IN **CONTACT**, SO REPRODUCE HIS GREAT PHOTOS HERE, WITH MUCH THANKS)



A show favourite – P51 Mustang.

Wings Over Illawarra is owned and operated by the Historical Aircraft Restoration Society (HARS), home-based at the Illawarra Regional Airport.

This year's crowds who flocked to the now-annual fly-fest had plenty to cram in to a busy day.

For the first time ever, WOI featured civilian aerobatics with not one, but two, exciting performers – Australia's premier aviation performer and former F/A-18 top gun Matt Hall wowed

the crowds with two impressive flying displays in his MXS-R – as did local performer, Southern Biplane Adventures, in their 1943 Boeing Stearman.

The RAAF Roulettes were there, demonstrating the grace of close-formation aerobatics in their relatively quiet Pilatus PC-9s – while the roar of a Hawk ripped the skies asunder.

With the theme for this year's event being 'Celebrating Naval Aviation', the Royal Australian

Navy was well represented too.

Not least on the must-see list for most visitors was HARS' newly arrived F-111 'Pig', which, while she will never fly again, was officially the last one that ever did.

And, in a very rare coup for HARS, the F-111 now residing at their Albion Park HQ may be viewed at very close range, with WOI attendees given close and elevated views of their shiny 'new' exhibit.



Dan Duggan in a Jet Provost Mk V.



Matt Hall in action.



The graceful Caribou – still flying, thanks to HARS.



This little piggie came home to HARS.



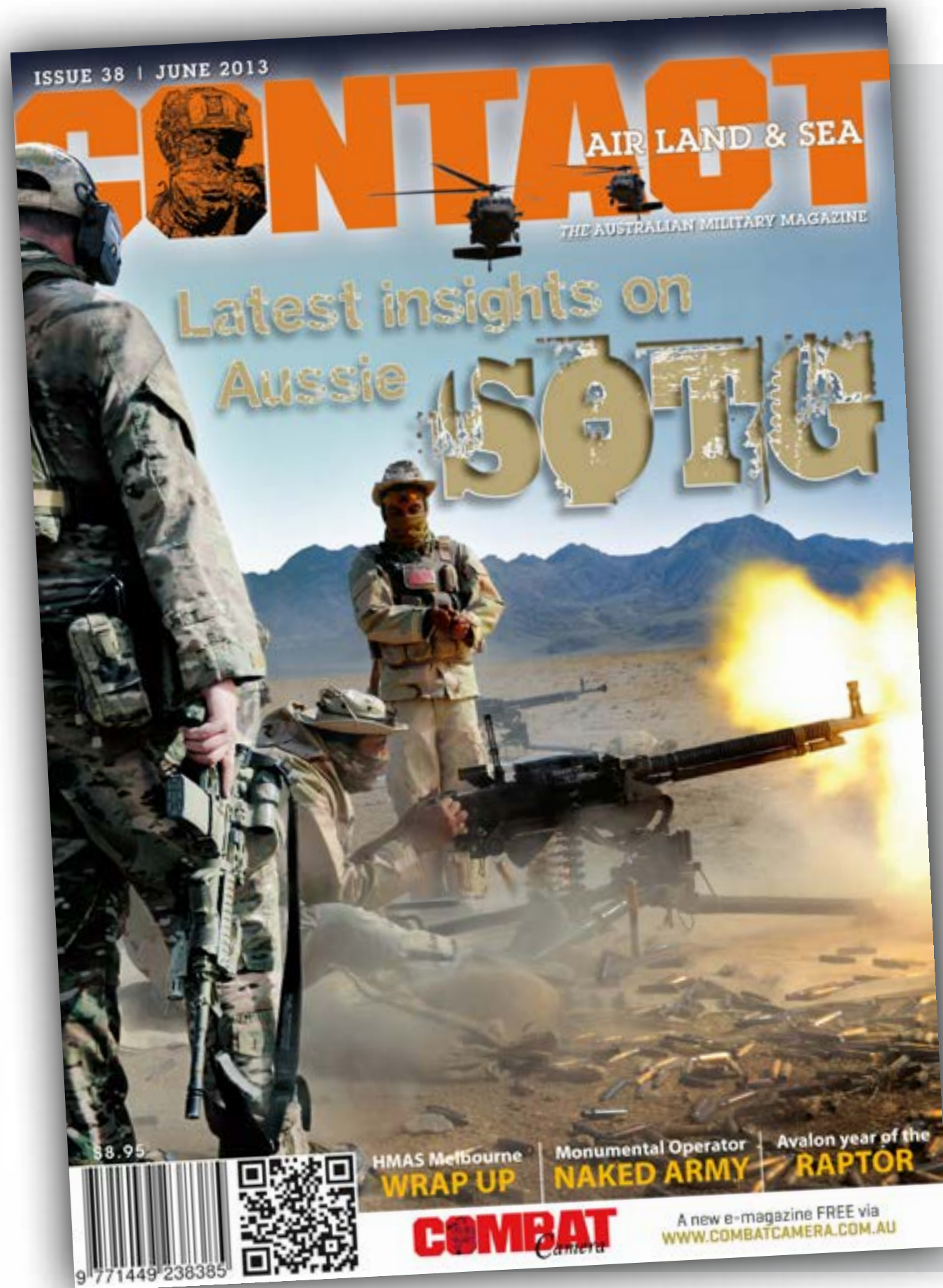
Boeing Stearman 'Lillywarra' flown by Southern Biplane Adventures.



Left: Navy NH90 pilot and self-confessed **CONTACT** fan Dave Barlow proudly sports a very distinctive Blackjack ADF Class 21 patch.



Right: A RAAF Hawk lead-in fighter trainer rips up the quiet.



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MIRF-D

MARINES IN THE TOP END



Kangaroo Flats Training Area in the Northern Territory saw the Marines of Lima Company, 3rd Battalion, 3rd Marine Regiment, Marine Rotational Force – Darwin dislodge a squad of 'enemy' from nearby trenches on May 22.

At least that's what the squad-attack training simulated as the Marines planned their scheme-of-manoeuve on the fly in order to eliminate an 'enemy threat'.

Platoon commander 1st Lieutenant Wesley Nix said the Marines got orders the night before and their mission was to go through and kick the enemy out of the trenches, with sniper and machine gun support.

"This training really stresses teamwork and helps NCOs develop their squads, camaraderie and esprit de corps," he said.

"Sometimes we'll end up doing something without a lot of time to prepare and then have to go straight into an attack."

Just a few short hours of planning to remove the enemy from the trenches meant every Marine felt the pressure.

"It's small-unit leadership," Corporal Patrick Paul, squad leader, 1st Platoon, Lima Company, said.

"You basically have to plan everything, so everyone down to the basic rifleman can understand what's going on and what they have to do to get the mission accomplished."

But, although the Marines entered 'hostile' ground with a plan of action, they quickly learned that combat rarely goes as planned – even simulated warfare.





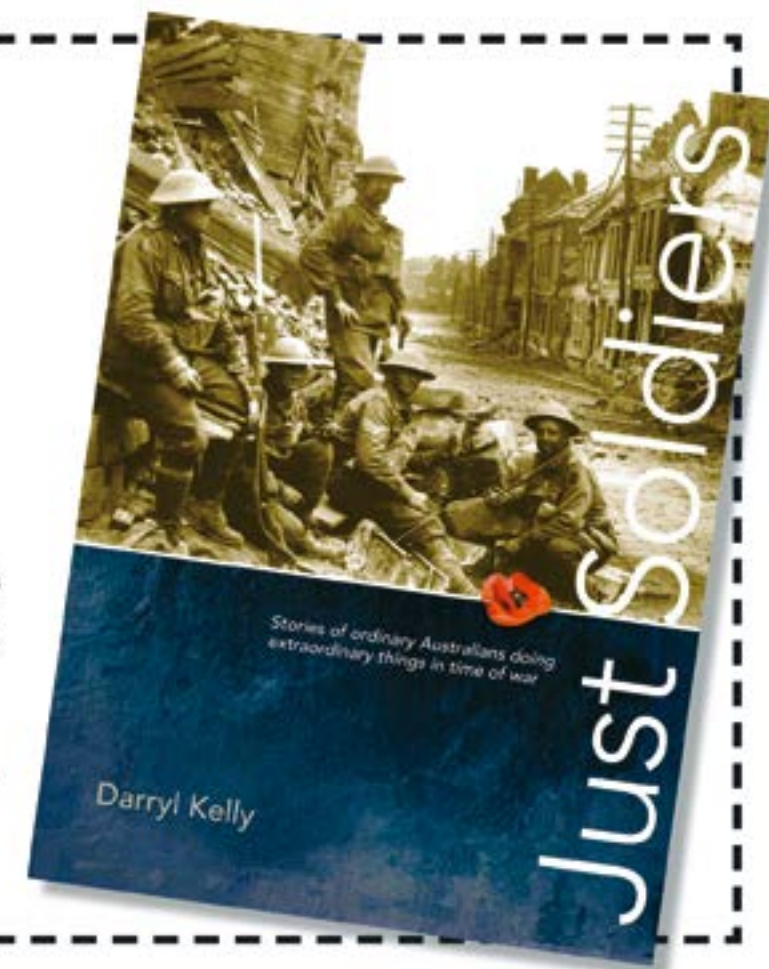
JUST SOLDIERS:

STORIES OF ORDINARY AUSTRALIANS DOING EXTRAORDINARY THINGS IN TIME OF WAR

by Darryl Kelly

In 1914, Australia had a population of fewer than 5 million, yet 300,000 from all walks of life volunteered to fight. More than 60,000 were killed and 156,000 wounded, gassed or taken prisoner. This book of WW1 stories, based on fact, portray the human tragedy of war. Many confirm the reputation of Australians as fearless fighting men. Yet, as in life, not all were heroes.

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Reader Survey

Thank you for participating in this survey. We won't get too personal, but your answers could really help us understand your experience of our magazines. When answering questions, note that round tick boxes will only let you choose one answer, while square tick boxes will let you choose all that are applicable to you. All answers are optional.

Sincerely, Brian Hartigan, Managing Editor, +61 (0)408-490-604

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- ☐ Male
☐ Female

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EX Alam Halfa

Exercise Alam Halfa, involving more than 1000 personnel from four countries, was conducted in various New Zealand locations all through May.

The New Zealand Army and Royal New Zealand Air Force were joined by the Canadian, US and British armies and the US Marine Corps to prevent a simulated insurgent coup.

But it wasn't just military personnel involved in the exercise – residents also got stuck in and played a part.

Commander of 1 (NZ) Brigade Colonel Chris Parsons said having the community involved was essential and appreciated.

"The Tararua and Wairarapa people were vital to the success of the exercise," Colonel Parsons said.

"They had local knowledge and were very supportive of what we were trying to achieve.

"Their input was invaluable."

Mauriceville beef and sheep farmer David Cameron loaned his wool shed to a group of

'insurgents' to lie low and disrupt soldiers trying to flush them out.

He said it was easy to see how hard it would be for military forces trying to identify insurgents who had befriended locals in real conflict situations.

"Insurgents who got on with locals would be very hard to beat," Mr Cameron said.

"I have a totally new understanding and appreciation for what our Defence Force does."

Exercise Alam Halfa 2013 was a precursor to Exercise Southern Katipo to be held in the South Island later this year.



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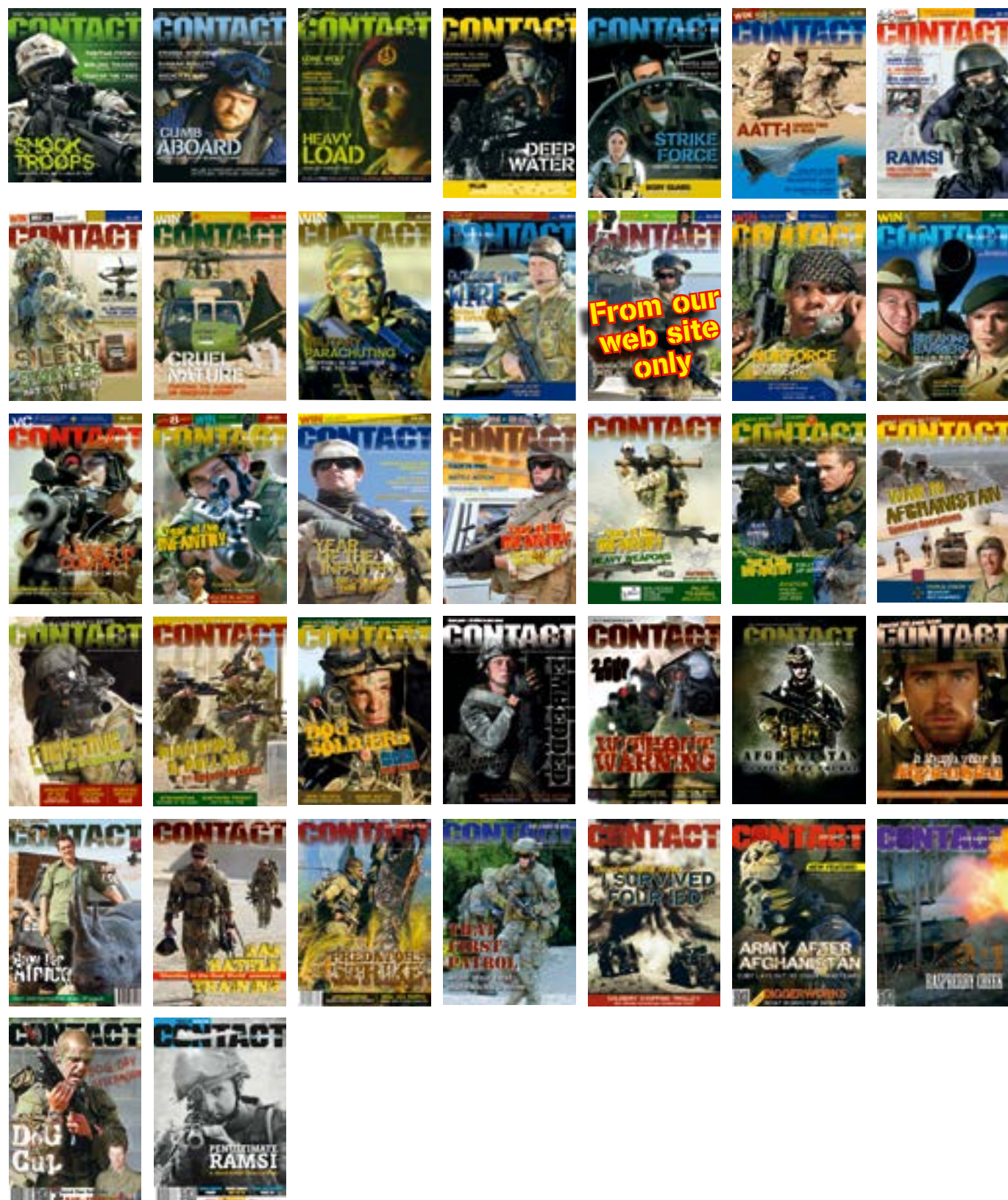


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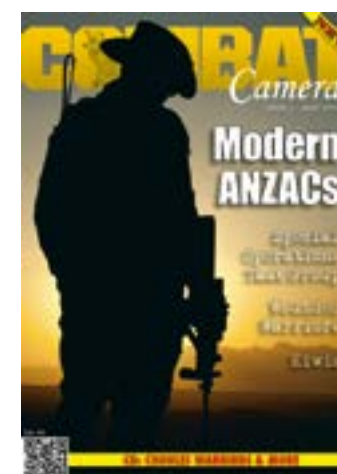
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ANZAC Day around the country - 2013

Clockwise from right: Cadet Tiarna Beasley representing No. 336 Squadron during Richmond's Anzac Day parade – Photo Corporal Amanda Campbell; Flag bearers in Sale, Victoria – Photo Able Seaman Kayla Hayes; Army Cadet Ryan Coghlan from the North Lakes 236 Army Cadet unit stands as one of the members of the guard for the Dawn Service at Toukley, New South Wales – Photo Able Seaman Cassie McBride; A large crowd witnessed the passing of the torch, otherwise known as the flame of remembrance, between WWII veteran John Jeffrey and Navy Cadet Recruit Teagan Weise, at the Ipswich, Queensland, public commemoration service – Photo Leading Aircraftwoman Kylie Gibson; Army Cadet Faith Hunt from the North Lakes 236 Army Cadet Unit stand as part of the guard in front of the HMAS Kuttabul contingent – Photo Able Seaman Cassie McBride.



Garden Island visit

Top: International Navy Cadets chill out during a visit to Garden Island, Sydney on 23 April; with, below, Petty Officer Cadets Sarah Pepperell and Duke Adams, Lieutenant Commander Cadet Debra Shaw, Sub Lieutenant Cadet Garth Schmith, Director-General Australian Navy Cadets Commodore Geoffrey Geraghty, Chief Petty Officer Cadet Fred Bates and Sub Lieutenant Cadet Sharon Holmes. Photos by Able Seaman Sarah Ebsworth.



IN FOCUS

WITH BRIAN HARTIGAN, MANAGING EDITOR

COMBAT CAMERA IS ALL ABOUT PHOTOS - SO WHERE BETTER FOR TIPS ON TAKING PHOTOS THAT GET PUBLISHED?

Previously, I discussed how getting a properly exposed photo was a balancing act, with basically three parameters to play with to achieve that balance. We already discussed shutter speed and aperture. So here comes the third – sensitivity, or ISO speed...

ISO SPEED

I briefly mentioned this back in issue #2, but ISO speeds are a measure of the light sensitivity of digital-camera sensors (and film).

We really don't need to worry about how they are measured, but you can be confident that they are standardised, such that ISO on one camera or brand is mathematically the same across all cameras and brands.

You also need to understand that, like most things in photography, ISO involves another balancing act.

Going to a higher ISO can allow you to achieve correct exposure with higher shutter speeds and tighter apertures, but the trade-off in the digital age is digital 'noise' or in terms of film, grain.

I explored this topic in 'Soap Box' back in issue #1 and basically made a rule, 'do not use ISO speeds higher than 800 if you want to get published in **CONTACT**'. Of course, while there are exceptions to every rule, that's the basic standard I apply in this publication.

Moving on – film and digital sensor chips are rated at different speeds depending on their sensitivity to light.

Each film or chip is given a speed rating known as an ISO (International Standards Organisation) number.

For example;

- 100 ISO is probably the most commonly used baseline speed, though 50 is becoming increasingly popular.
- 400 ISO used to be a very popular 'fast' film, though in the digital age, 800 ISO probably rates as the new norm in this regard.
- 1600 ISO used to be considered a 'very fast' film, back in the days when we all used film.

Today, however, many digital cameras offer speeds up to 3200 ISO and some of the newest, higher-end cameras are capable of up to 52,000 ISO – yes, I said 52-thousand ISO! Though I have had no experience using one of these cameras as yet, you'd have to think, 52,000 ISO is in the realms of night-vision equipment. Before I leave this, I just want to say that the 'digital noise' at the higher ISO speeds on these cameras has been greatly reduced and, from evidence I have seen, photos taken at much higher speeds on these cameras are perfectly acceptable here in **COMBAT Camera** – and even in **CONTACT Air Land & Sea**. But, until you and I can afford one of these new cameras, my max-800 ISO rule stands.

THE AFFECTS

As with shutter speed and aperture (already discussed), changing ISO speed has a predictable mathematical affect on your camera and your exposure balancing act.

100 ISO speed chips or film need twice as much light as 200 ISO. Therefore, 200 ISO film is said to be one stop faster than 100 ISO. Also, 800 ISO needs half as much light as 400 ISO – or, in other words, 800 ISO is one stop faster than 400 ISO – or two stops faster than 200 ISO and three stops faster than 100 ISO.

WHAT DOES THIS MEAN

At the end of the day, what this all

means is that ISO gives you a third option, a third variable factor in your quest to balance the perfect amount of light hitting your chip or film.

COMING TOGETHER

Let's pull them all together and examine a couple of scenarios.

Take the abseil photo on page 62 this issue as an example.

It was a bright sunny day and the action was relatively slow. So, as a standard for everything that day, I was using my slowest speed, 100 ISO, for best picture quality – that is, least amount of digital noise.

Because of the relatively slow action, but as a balance against camera shake (I'm scared of heights :-)) I was using Tv (time value on Canon = S or Sp for shutter priority on Nikon and others), with the speed set on 1/200th of a second.

Also, in this case, I was using a 'short lens' (another variable we will have to discuss later) to take in a wider scene.

All these variables meant that the camera chose to shoot, in this case, at an aperture of f9, which coincidentally, gave nice depth of field – that is, the subject and the background are both in focus.

Let's look at a second example from the same assignment (Exercise Southern Jackaroo, which I photographed as an Army Reserve photographer, which means the photos are copyright to the ADF and available on the Defence web site), the main photo on p60-61.

In this case, I knew the subject would be moving very fast and I wanted to stop the action, if I could.

So, again using Tv on my Canon, I chose to use 1/8000th of a second shutter speed. But, knowing that such a shutter speed would not let in enough light to make a balanced exposure, I had to also choose to set chip sensitivity to 800 ISO.

And the camera set f2.8 as the

aperture, which is as wide as the lens would open, putting foreground and background well and truly out of focus – shallow depth of field, which is good and desirable in this case.

The result was a pretty decent 'peak-of-action' photo, with smoke coming from the rifle and the bullet streaking away across my view. You might like to note that the picture on p58-59 (and right) was taken with all the same camera settings, yet the bullet can actually be seen frozen in mid air, not streaking. That's because of the perceived speed difference of an object going across my view as opposed to going away (or coming towards), as discussed using the example of a runner, in issue #2.



Both: Canon EOS 1D MkIII, 800 ISO, 1/8000th shutter speed, f2.8.

Note: While I achieved what I wanted with both these photos, it took two weeks and thousands of photos (and bullets) to capture them. Why? Because shooting at 1/8000th of a second at 10 frames per second, means there are 7990/8000th of a second not being photographed! So luck can be as important as knowledge.

*After chasing these shots for three weeks, I finally got four corks in one day! And I'm saving the best for the September issue of **CONTACT**.*

By Sergeant Brian Hartigan

I have no soap box to climb onto this issue – At least, not photography related. I did, however, receive a package of materiel in the mail recently that came with the hand-written advice, "Don't worry about getting sued. XXX already threatened to do it but backed off when I said it was a good idea to get this into a real court of law instead of the fake XXX Inquiry". What chances do you reckon that materiel has of getting published in **COMBAT Camera** or **CONTACT Air Land & Sea** – or anywhere else?

This might be a good opportunity to say that if you have any particular questions about getting stories or photos published in **COMBAT Camera** or **CONTACT Air Land & Sea**, I'd be happy to answer them here or privately.

Write to me at editor@militarycontact.com or PO Box 3091, Minnamurra, NSW 2533.



IN MEMORY OF A MATE

Anzac Day was a very special occasion for the family and friends of fallen Australian soldier Corporal Ashley Birt as they sampled Birty's Bitter, which was brewed in his honour and made commercially available in his home town, Gympie, and in Brisbane near his unit, 6ESR.

The beer was originally designed and made at home by Corporal Nick Wiseman, an ARMY newspaper reporter, who befriended Corporal Birt at the School of Military Engineering in 2008.

"He was one of those people that everyone liked straight away," Corporal Wiseman said.

"But, after SME, the next time I heard his name was after he was killed in an insider attack in Afghanistan on 29 October 2011.

"Birty was the first KIA I knew personally, and it really hit me.

"After a few months I knew I had to do something in his honour and, as a keen home brewer, it

made sense to make a beer I could have on tap to remember a mate."

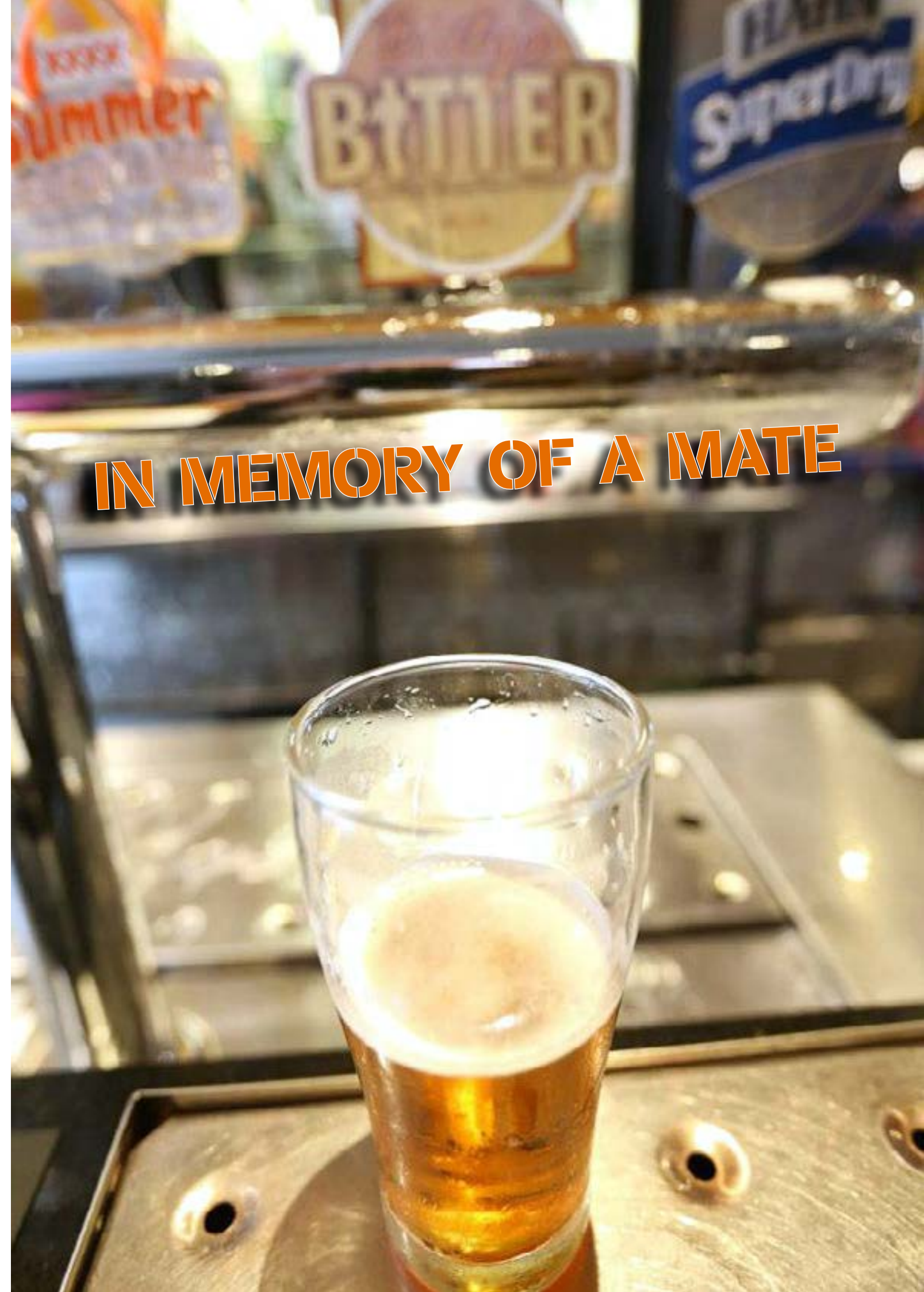
Corporal Wiseman designed a classic English pale ale, or bitter, he described as an "easygoing beer dedicated to an easygoing bloke".


Then, a friend of the Birt family heard what Corporal Wiseman had done and asked for the recipe. One thing led to another and the beer was professionally brewed and made available to the public as a one-off on Anzac Day 2013.

Corporal Birt's mother, Linda, said it was an amazing tribute to their son and she just knew "he would be smiling down on us as we have a beer for him".

Since Anzac Day, Corporal Wiseman said there had been a lot of interest in seeing the beer made again – but at this stage, no more batches have been laid down.

Stand by.



A close-up portrait of Tim Kennedy, a man with a weathered face and short brown hair, wearing a camouflage military shirt. He is holding a black Gerber CFB folding knife in his right hand, with the blade extended. The knife has a serrated edge and the Gerber logo and '154CM' are visible on the blade. The background is a blurred, industrial setting.

HELLO, TROUBLE.
THIS IS MY KNIFE.
IT NEVER RUNS
OUT OF AMMO.

Tim Kennedy and his Gerber CFB.

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