

NATIONAL RIFLE ASSOCIATION JOURNAL



Autumn 2014 – Volume XCIII No. 3

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JEENS

WINS QUEEN'S

Richard makes it a family affair at Bisley

11-PAGE

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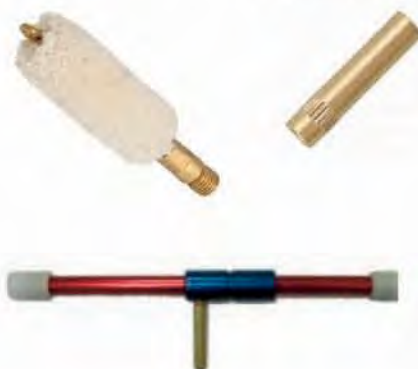
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Welcome: The current status of shooting

Chief Executive Andrew Mercer reflects on the Imperial Meeting and Commonwealth Games, and details how the NRA is progressing with improvements to Bisley

The four-week extravaganza collectively known as the Imperial Meeting is now behind us, as are the 2014 Commonwealth Games. Overall entries to the Imperial were up on last year, but delving into the statistics, a more confused picture emerges. The competitions showing the most positive growth were Civilian Service Rifle and Target Rifle; entries to the Historics and Match Rifle were, however, down on last year. We need a little time to reflect before leaping forward with plans for the 2015 Imperial, but one of the obvious issues we need to address is the lack of decent, affordable accommodation on site. All of our accommodation had been booked by mid-May, including the popular but hideously expensive 'bunkabins'.

While on the subject of accommodation we have been delighted

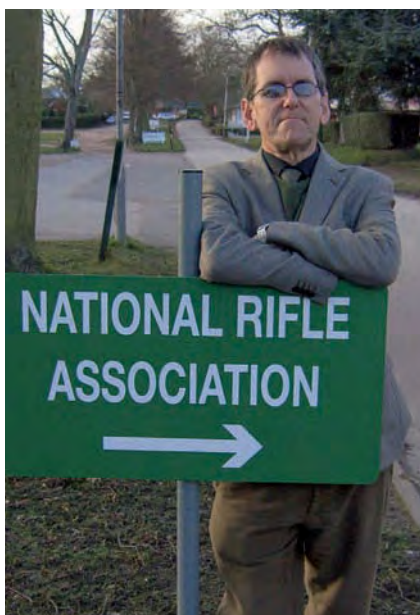
at the uptake on the new serviced caravan pitches, with over half now sold. This development generated frankly astonishing levels of gossip and rumour, and has been a salutary lesson in how difficult delivering positive change to Bisley can be.

I had the pleasure of attending the Commonwealth Games and returned home full of genuine concern about the future of fullbore shooting in future games. The battle for the medals provided genuine theatre and excitement; however, the broadcasters and most of the spectators present would have been oblivious to the drama as we have yet to get to grips with presenting our sport to a modern standard. That said, a cracking group formed the "Barry Buddon Broadcasting Corporation" and streamed results (almost) live for the individual medal

competitions. The many competitions we host and organise at Bisley gives us the unique opportunity to improve the presentation of our sport.

The Value of Shooting report co-funded by the NRA has been published and delivers essential statistics that support our assertion that shooting is a major sport of national importance, both in terms of the number of regular participants and economic worth to the UK. We have sent copies to our affiliated clubs to help them in the campaign to protect and promote shooting; copies can be downloaded from www.shootingfacts.co.uk.

Works to improve the ranges continue at Bisley, and our focus at the moment is centred on the largely redundant Cheylesmore and Winans ranges. Cheylesmore is a gem of a range, and staff and contractors have





removed boisterous undergrowth that had rather overwhelmed the stop butt, and stripped out years' worth of accumulated debris. Roofs are being repaired, partition walls upgraded, services installed and we are finalising the siting of new toilet facilities. New turning targets, advancing targets and a 'traffic light' electronic target suite are all part of our plans as we work through this autumn.

The Bisley General Meeting generated the usual lively debate with some of the strongest comments centred upon the fees that we charge commercial traders on Bisley. From my perspective there

We have yet to get to grips with presenting our sport to a modern standard

is a tricky balance to achieve; the NRA as landlord needs to maximise rental income to contribute to the substantial costs of maintaining the large Bisley estate, traders come for profit and expect to pay an economic stand fee, and the shooting membership wants a wide range of stand holders selling their wares at attractive prices. This balance has not been achieved over several years with the number of traders declining even though the NRA was charging a nominal £40 per pitch per day. My thoughts are that we should concentrate on delivering a decent trade show on the busiest weekend of the Imperial and invest all of the trader income into promotion and advertising to attract new customers, primarily to the trade show but also to allow them to experience the magic of the meeting.

We are making some progress with our colleagues at the MoD on a host of issues surrounding civilian shooting on military ranges. Investigations into two

recent safety incidents are progressing; we negotiated an agreed modification to the operation of .50" calibres and this has removed the restriction previously imposed prohibiting the use of certain rifles and ammunition. The investigation on the breech explosion of the Krag Jorgensen rifle is awaiting metallurgical analysis of the damaged rifle.

I enjoyed a fascinating visit from International Practical Shooting Confederation President Nick Alexakos and Secretary Dmitri Tzismas; their membership accounts for over 200,000 enthusiastic practical shooters worldwide and they have made impressive progress in developing this form of shooting into a recognised and responsible sport.

One of the enjoyable and illuminating events over the Imperial is the opportunity to spend some time in Century butts helping with the Marker's Shoot. Two things became quickly apparent: I am very unfit from the waist up, and the work of the marker is frustrating when serving a shooter who fails to communicate effectively. Good markers work terrifically hard and far too frequently receive little or no thanks. As an aside, our investment in the new 12 target frames in butt 14 appears to be paying dividends and they are standing up well to the rigorous demands placed upon them.

Finally I would urge you to take a moment and look at the NRA's Facebook page. I know some members think social media is the spawn of Satan but it has proved remarkably popular in communicating the rich and varied activities of our members. Today we have more than 2,100 people following our posts and have hit the heady heights of 18,000 people reached in one memorable week. Have a look – you will not be expected to sell your soul. ■



NEWS

REPORTS

TRAVELLING WILBURY

Wilbury Club has made its first Overseas Championship Tour. Christopher Hockley reports from Chilliwack, British Columbia

The Wilbury Club, based in Oxfordshire, wandered into its first overseas tour almost by accident. Team captain Chris Fitzpatrick had accepted an invitation for the RAF to visit British Columbia and compete in the 130th BCRA Championship. Unfortunately due to service commitments the RAF had to withdraw, so as he had done a lot of the early planning and organisation, Chris asked his Wilbury Club colleagues if anyone still wanted to go. Mick Silver and Chris Hockley smartly stepped forward – but we needed a fourth to make the required number for the Club team matches. Tom Walters, who moved to BC from Wales some years ago and fulfilled the Wilbury Club membership criteria, was recruited and the team was set.

Travelling out five days before the Championship started still allowed hardly enough time to deal with the eight hours' jet lag – but it did allow some sightseeing, including a trip by sea-plane to Victoria and Vancouver Island. Why we ended up with Mick, the RAF regiment gunner, sitting in

the co-pilot's seat instead of the ex-RAF and Easyjet pilot, was beyond comprehension. The RAF engineer spent the flight checking the fuselage for cracks.

The BCRA 2014 Championship had been shortened by a day as there were few visitors and no opportunity for a full international team match. However, it was a no less interesting three days' shootiavng on one of the prettiest ranges in the world. About half the competitors were F Class and mostly we shot in threes. Those F Class guys sure are noisy in their chat between each other, with expressions of surprise and apology when the one they are marking for drops a four.

The advantage of such a small entry was that we got to know everyone, and some of those F Class guys are really quite nice, even if they were eternally keen on showing us pictures of the grizzly or moose they had shot. The whole competition is run by the Pitcairn family and it was a superb performance by Bob Pitcairn that saw him chaired off the range in the Lt Governor's



The Wilbury team with their haul of trophies

final. All but one of the team matches were concurrent, and Wilbury came good in every one bar one – we thought we had better let the locals have one. A couple of individual trophies also came our way as well. There were a lot of trophies, as one can imagine for an association with 130 years of history.

So, Wilbury, a small club, can be proud of its first overseas tour – and hopes this inspires other clubs to visit such beautiful places as Chilliwack, British Columbia.

'FRENCH BISLEY' UNDER THREAT

The biggest shooting club and rifle range in France is facing closure, with its 1,500 members set to be left without a target-shooting home.

A petition has been set up to try to save the Tir National de Versailles, which has seen shooting for over 100 years but faces a court ruling to cease activities.

The range said the decision was made without consulting the French Shooting Federation – and has appealed to UK NRA members for help.

"It's killing us – as if Bisley range was to be closed," said Bernard Collot of the Tir National de Versailles. "The range is also for official and professional personnel to train: policemen, soldiers, customs and special forces."

Sign the petition for yourself at <http://bit.ly/TNVersailles>.



NRA REPORTS SURPLUS

The NRA has reported a surplus for the first time since 2009, chairman John Webster revealed at the NRA AGM at Bisley.

With staff having fallen by 20 per cent since 2010, the organisation has been described as “more efficient and often more effective,” and John Webster paid tribute to the work of chief executive Andrew Mercer and his staff in ensuring a successful turnaround.

“The healthier state of our finances will now allow us to focus more of our time on the strategic issues we face as an organisation and as the National Governing Body for the sport of target shooting,” said the chairman. “The role of any NGB is to set out and guide the backdrop in which its interests must operate. This brings many different

challenges, including balancing the interests of our many different stakeholders across a number of different target shooting disciplines, while ensuring that the sport of target shooting continues to develop and even thrive over the coming years.”

In his speech, Andrew Mercer added: “Demand for our ranges here at Bisley is growing dramatically this year – some 25 per cent higher than last year – and that growth is continuing. And indeed that demand for the ranges is now starting to outstrip supply, certainly at weekends.

“We are starting to develop significant commercial revenue sources that use the range infrastructure and that is good news, in my humble opinion, because it deflects costs away from the shooting membership.”

SHOOTING'S WORTH £2BN

An independent report has confirmed that shooting contributes a massive £2bn a year gross value added to the UK economy.

The Value of Shooting report, carried out by Public and Corporate Economic Consultants (PACEC) and funded by organisations including the NRA, reveals that the estimated 600,000 shotgun and rifle shooters and 1.6 million airgunners in the UK support the equivalent of 74,000 full-time jobs between them.

Shooters spend £2.5bn a year on goods and services, which accounts for almost 10 per cent of the £27bn estimated total spent on outdoor recreation in a year. The PACEC report also gives a measure of the economic growth of shooting. The last time it was conducted, in 2006, it gauged shooting's value at £1.6bn – indicating it has grown by 25 per cent.

NRA chief executive Andrew Mercer said: “This report confirms what the shooting community has long understood – that shooting is a major sport of national importance in terms of the number of regular participants and economic worth to the UK. The rich diversity of shooting often means we operate in small groups, unnoticed and quietly enjoying our sport responsibly and with passion. Together shooting sports are a force for good; we are law abiding, strictly regulated, safety-conscious, enthusiastic environmentalists, whose passion can literally last a lifetime.

“Support for target shooting is growing rapidly, from grass roots to international competitions such as the Commonwealth Games. Shooting can genuinely claim to be a sport for all ages, sexes, budgets, and any physical ability.”

NEWS IN BRIEF

VIKING ARMS GETS RCOS

Distributor Viking Arms now boasts seven qualified NRA range conducting officers. Viking has recently been holding a large number of range days to allow its dealers to get to grips with its rifle brands, and felt that the RCO qualification would better equip them to host future events. CEO Sam Macarthur said: “We are investing in our staff and our customers, so we can invite them to more unique, hands-on events.”

INTRODUCTION TO CIV SR

The Introduction to Civilian Service Rifle course is open to all NRA members, and will provide the fundamental skills for taking part in Civ SR. The course will involve classroom and practical range work, and will include individual coaching of positional shooting techniques. The course fee is £70 to include range fees, targets, scorebook, individual coaching and lunch; courses take place on 27 September and 15 November. Download the sign-up form from nra.org.uk.

COUNCIL ELECTION RESULTS

The following NRA members have been elected to fill the ordinary member vacancies on the NRA general council: JPS Bloomfield, DP Calvert, DC Crispin, TS McDowell and GMLN Gilpin. They were elected at the Bisley General Meeting on 17 July, and have taken up their posts as ordinary members. The following have been elected as regional members: HRM Baillie (Northern Ireland), GV Barnard (East Midlands), TLW Kidner (Scotland) and DG Young (North West). And the following regional representatives were elected: Dr AMW Cargill-Thompson (Match Rifle), NJ Francis (Gallery Rifle and Pistol), I Shirra-Gibb (300m), P Ryder (Historic and Classic Arms).

IMPERIAL 2015 DATES

Missing the Imperial Meeting 2014 already? We are happy to announce that the Imperial 2015 will take place at Bisley from 24 June to 18 July 2015.



YOUR VIEWS

If you have an opinion or suggestion you would like to share, write to “Journal Letters” at NRA HQ or email nra@blazepublishing.co.uk

Committee concerns

I have just returned from a committee meeting of my club's management committee where I brought up affiliation to the National Rifle Association. I presented the meeting with the affiliation form and explained the fee. I was asked what the benefits of affiliating were to the club.

I found it difficult to come up with any substantial reasons why a club in Northern Ireland should affiliate. Our club has never needed to book targets at Bisley. When club members wanted a target at Bisley, as individual NRA members they booked their own. I was asked about club competitions, but unless the club qualified and wanted to enter the Astor county competition at £260, this on its own was not a convincing reason to affiliate. I was asked about insurance but had to inform the meeting that we got our insurance elsewhere and needed no insurance from the NRA.

The fullbore shooters were the least keen to affiliate. They believed they got no support from the NRA and were very disillusioned – one person said “the NRA are only out to make money for the NRA”. It was also said that unless you are in the south of England, affiliating to the NRA is a waste of money. The costs appear the same to clubs regardless of location or usage.

It was decided in the end to affiliate but this decision was carried by non-fullbore shooters. I am worried that keen fullbore rifle shooters have become disillusioned with their governing body. I am sure my fellow club members in Northern Ireland are not the only shooters remote from Bisley who feel this way.

Gary Clarke

Short Siberia shortage

On a recent weekday I tried to book a lane on Short Siberia. I was informed by a polite lady that the police use Short Siberia

Monday to Friday (and Long Siberia was not available for the month due to the Imperial).

I have no problem that Bisley opens its ranges to the police, but I would like to know what is offered to the civilian shooter/club that wants to shoot under cover, and therefore be protected from the British weather, Monday to Friday. Or is Bisley going to become a weekend-only venue for the civilian who wishes to shoot in the dry?

That the NRA cannot offer the civilian shooter protection from the weather on any range Monday to Friday, and only on one range over the weekend, is a poor show and a missed opportunity to bring in revenue.

Furthermore, there is a massive shortage of ranges over the distances provided for by Bisley for the civilian shooter, and not providing basic amenities such as weather protection will not encourage more people to take up our wonderful sport.

Mark Wojtecki

The police and other firearms training organisations are important customers at Bisley who primarily use the ranges during the quieter weekdays. Every pound they spend is one less that has to be found by NRA members. Demand for our ranges is growing rapidly and we are investing in new range facilities such as the 100-yard firing point on Century and refurbishing redundant ranges such as Cheylesmore and Winans.

Dress impressions

My shooting activities make me a regular visitor to Bisley and I am irritated by fellow shooters who find it necessary to dress like ‘Japanese Generals’ in an array of military clothing. DPM, MTP, German Flecktarn, and other patterns are regularly sported around the complex. My concern is our image on display to the public, who can see our activities from the Century Range boundary as well as open days, and the non-shooting events hosted at the Pavilion.

What must they think? ‘Gun nuts’ probably. That’s not a label I want sticking on me.

Gentlemen, you are not in the army and being associated with firearms doesn’t mean you have to dress like a military cast-off. NRA, please can you start policing this issue. The range office sees these people coming and going and they should be pointing out the error of their ways. I for one would be in favour of an outright ban of military clothing around the campus.

Steve Houghton

Club correction

On pages 47 and 48 of the Summer Journal, you list the names and clubs of those who came second in The Queen’s Prize. For 1997, you list Stuart Collings as representing “Windsor Pistol Club”. To my knowledge, there is no, and never has been, a “Windsor Pistol Club”. Stuart represented Windsor Rifle & Pistol Club as it was then known. The following year, with new legislation making pistol shooting almost impossible in this country, the club changed its name to the “Windsor Rifle Club” as correctly shown in the 2004 entry against Nick Tremlett.

M Fugeman, President, Windsor Rifle Club

Pistol plans

Regarding the article in ‘News in Brief’ of the NRA Journal Summer 2014, which states that this government has no ‘plans’ to re-categorise pistols. Did we really expect anything different from this lot? Think about how they let the fox hunters down.

The only ones that have come out in support of returning pistols to honest, upright, responsible people are UKIP. I know who I will be voting for (as I have already done in elections so far) – it will be someone who will look after my interests.

Charlie Quinn

Typeface thanks

Thank you for changing the typeface in the NRA Journal. The Summer issue is much easier to read. There are still some typos that should have been spotted by your proofreaders, and there are still some uncaptioned pictures, or like the range on page six, a caption that doesn’t tell us where it is. I support David Smith’s letter in the Summer Journal and request that you identify places as well as people in future.

Carol



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Spotting quality

Testing a high-end unit from Meopta, Nick Parrish makes the case for shelling out on a quality spotter

In the hierarchy of target shooting equipment, spending your money on a high-quality spotting scope might be thought of as something of an extravagance – but much can be learned from their use in all disciplines, whether it is for watching the all-important v-bull markers or spotting discs positioned over bullet holes. A lot can be learned from just observing shooters and ranges, too, and a quality spotting scope provides this ability, along with the secrets of wind and mirage coaching that are so key to competition success.

The golden question about spotting scopes is, “Can you see a given calibre in a target from 1,000 yards?” The answer is almost always no. But when the ranges decrease and we shoot without target markers in the butts, being self-sufficient starts to matter, especially when practising. The type of target used, its colour and how ‘patched over’ it is are definite factors, but when I got my hands on the Meopta S1-75 APO spotting scope to test, I found myself

confronted by a deceptively rewarding optic. With a plethora of available accessories, I was awarded the opportunity not only to learn more from my own and others’ shooting, but also to display to others precisely what I was watching.

At 430mm in length and weighing 1.405kg, the angled-body APO is reasonably compact for storage and transport yet still offers the versatility of a 75mm objective lens. The body and eyepiece are available separately and the former can be specified in straight or angled variants (angled is my preference). The underside of the tube shows a robust 35x52mm foot containing the standard $\frac{1}{4}$ in UNC thread adopted by most photographic equipment for tripod mounting. The entire aluminium tube is a dull green, matt-finished machined aluminium component, but I liked that the foot incorporated a stainless steel bushing for the thread to assure long-term durability at this highly stressed junction.



The focus collar is well weighted and precise in use



The folding eyecup allows spectacle wearers to get maximum use from the scope

“At one point, I realised I was looking at a spider’s web on the side of a target frame

The eyepiece screws on at the back, and I chose a 20-60 zoom specification, though others are offered including a fixed 30x unit with a wider field of view. Magnification is controlled by a ribbed rubber collar, and the eyepiece has a fold-down eye cup to allow spectacle wearers to achieve correct positioning of their eyeball for full exit pupil vision. Midway along the tube, there’s a 70mm diameter collar to control focus, with one rotation allowing fine control of image detail from seven yards to infinity. It’s positioned just above the ‘foot’ for a good reason: to prevent physical contact with the scope disturbing the sight picture with any more leverage than necessary.

A 40mm sunshield surrounds the objective lens and can be extended into position. It contains a simple aperture system that, viewed from along the side of the body, allows you to set the approximate aim of the scope before you ‘set eye upon optic’ to focus on your target.

the first thing that spotting scope users often get wrong is their support method. The rigidity of the support mechanism is paramount to appreciating the image quality the optic delivers – to my mind it is akin to the relationship of a riflescope to its rifle and mounting system. I tested the optic on both desktop and prone-use scope stands as well as full height, wide

base tripods costing a quarter of the price of the scope itself. After a few minutes, I was counting them as a good investment. You really can’t appreciate the sublime image quality of the S1-75 if it’s not mounted securely.

Removing the eyecups front and rear immediately exposes you to a different level of optical clarity. Once aimed in and focused, the image on display is warm, rich and detailed, all the way out to the edges of the 31-16 metre field of view (at 20/60x mag, at 1,000 metres). At closer ranges, .30 cal bullet holes were easily visible against the dull colouration of a McQueens head target at 300 yards, and I was simultaneously watching black powder shooters engaging a steel buffalo at 600 yards. The ‘splash marks’ on the steel showed individually, as did the explosion of lead on bullet impact.

The scope was supplied with a full set of accessories including SLR camera and Meopix iPhone 4 adaptors, allowing video display, photography and film recording. The Meopix adaptor was useful as it removed the need to ‘address’ the scope close-up – one or more people could watch the action, or if used prone, it certainly allowed easier viewing of the target with less positional shift. The SLR camera adaptor screws on instead of the eyepiece and effectively turns the scope into a 600mm

The stay-on carry case lets you use all functions while protecting the scope from the elements





The scope didn't strain the eyes even when wind coaching for long periods

lens. You lose the zoom adjustability but I got some great photos and video of long-range targets through it.

As the light diminished the image quality suffered very little, and most importantly, as the zoom was applied there was no sudden drop in image brightness (something often seen in cheap optics). Minor re-focusing was required to keep the image sharp, but resolution never failed. At one point, I realised I was looking at a spider's web on the side of a target frame. At 100 yards, that's quite a feat of optical resolution.

The waterproof tube is nitrogen-filled, and the scope boasts all Meopta's premium lens coatings, resulting in a stated 86-93 per cent light transmission. A 30-year warranty backs up Meopta's claims.

The APO (Apochromatic) provides what is promised: an internal lens structure that resists chromatic aberration of colours



The SLR adaptor is on the large side but offers a host of new opportunities

through the multiple compound lens and prism assemblies. On some optics the colour spectrum of light can 'halo' around each other owing to differing wavelengths and the refractive properties of simpler lens assemblies. This scope, however, is in the premier league of image quality and was enjoyable to use, causing no fatigue in the viewer's eyes. The exit pupil diameter at either end of its magnification travel is quite satisfactory, but most importantly, the 15mm eye relief allows you to 'float' your eye away from the eyepiece with rubber cup raised or folded. Clarity with comfort – fantastic! My only real criticism of the scope is that the foot does not rotate around the body, meaning you need a tripod that allows the scope to be horizontally offset if your type of shooting means this position is required.

A final word on accessories: a 'stay-on' case opens front, centre and at the rear to expose all lenses and focusing collar. It is snug and well-tailored to avoid flapping about too much in the wind – and if it does, it's easy to remove the carry strap and tuck in the focus collar flap. The underside is also zippered to accommodate most tripod head units, regardless of overall size.

Watching the McQueens tournament being shot at 300 yards, I could easily identify bullet strike of .30 cal and even 6mm projectiles on both the sighting-in target and the 'heads' as they rose and fell in three-second exposures. These are dark targets but on a white background. Out to 500 yards, I could spot 6.5mm holes, although as expected, darker targets or line cutters often remained unidentified. Of course at 60x magnification in warm air,

mirage became a factor, but this is a simple fact of physics – nothing in any scope can help here.

Fine focus and field of view allowed wind flags to remain in sight when I was deliberately adjusting the focus range. At extreme range with larger projectiles, I used the scope at an elevated angle to detect bullets' 'trace' in flight. This wouldn't be possible without generous viewing width and flat field of view – edge to edge without any barrel distortion. Watching darker targets on the McQueens also displayed the contrast and colour rendition of this scope, and the lack of eye strain was very welcome at such a fast fire tournament. The eyes have little time to accommodate any optical confusion, and the fact that 6mm holes could be seen in the black at 300 yards clearly enough that they could be called within the three-second showing was testament to how good this scope is.

I very much enjoyed using the Meopta, but remember, it's no good on its own. A quality tripod is required to fully appreciate spotting optics of this standard. To really appreciate the high levels of light transmission and the mechanical quality of the lens grinding for razor sharp image, use it on a dimmer day with cooler air. ■

Specifications

Model: Meopta S1-75 APO Angled

Magnification: 20-60x

Field of view: 31-16m/1000m

Lens diameter: 75mm

Exit pupil diameter: 3.75mm -1.25mm

Dioptic correction: +/- 5Dpt

Eye relief: 15mm close focus (with 0 Dioptre)

Tripod thread: 1/4in UNC

Length (without eyepiece): 365mm (with 430mm)

Weight (without eyepiece): 1295g (with 20-60x, 1405gr)

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20-60x Eyepiece £238

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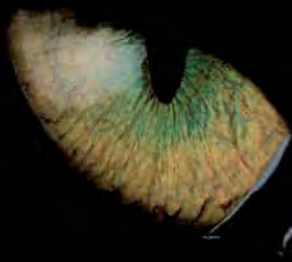
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In a 'topsy turvy' final, the star remained against Jeens thanks to his better count of centrals

Jeens on top in the Queen's

Richard Jeens swapped rifle for newborn baby as he ascended the chair as the winner of the Queen's Prize, reports Tony de Launay

Once in a while there is a dynasty that etches its name into the history books. In top-class rifle shooting we have had the Fultons, famous over successive generations. Of course there have been individuals that have stamped their names on shooting history for all sorts of reasons – Marjorie Foster, Keith Pilcher, Arthur Clarke and arguably others who were individual milestones in their own right.

But here, like London buses, three come along together: Henry, Ed and now Richard Jeens. Henry won the prize 10 years ago; Ed was second last year. On Final Saturday at this year's Imperial Meeting it was Richard who

took the blue riband award. And if the bundle so carefully carried by Richard in the appropriately considerate chair ride to the NRA office was any indication, perhaps there may be another Jeens to watch in the future.

As always we start at the beginning of the three-stage path. The first stage on Wednesday 16 July fell during some of the hottest and most humid weather of the year. A moderate left-hand breeze kept things interesting, but did not prevent Ant Ringer (Uppingham Veterans) and Alex Coetzee (South Africa) from each scoring 105 with 19 of their 21 shots in the central ring. Ringer took the tie by 25.5 to 25.2. James Borland of East of Scotland was third

with the only 105.18. The cut for the second stage was 102.12.

Second stage: second chance for the hopefuls on Friday afternoon with some stiff and variable wind from around 4 o'clock. It was 2013 Queen's champion Corbett at the top with a fine score of 150.24, just edging out Frank Bilton of Leiston Patriotic Rifle Club, the first time that he had ever scored a maximum 150 (and 23 centrals). It was the right time to do it. Richard Jeens was third on 149.24, handily placed as it turned out. Steve Thomas of Central Bankers took the 100th place with the only 146.17.

So to the final – a topsy-turvy affair. With only two scores of 150 carried

forward and a spread of four points, it had a little uncertainty from the start. The wind was first over the left shoulder and then down the range and back again. It promised intrigue and drama.

James Corbett squadded 0-4, Bailey 2-2, Bob Oxford 0-4 and David Armstrong 3-1 led at half-time all on 224. Jon Cload had a maximum 75 to pull himself up to 223. At 1,000 yards Rob Sandlant of Australia, Richard Jeens of NLRC and Simon Carson of Comber all joined the chase, producing a frenzy of nameplate-swapping tantrums on the leaderboard. With Corbett an early finisher on five off, the race settled into a nail-biter between Jeens, Sandlant and Carson, each creeping up shot after shot with just three off. But the star remained against Jeens thanks to his better count of centrals, and did so until the end.

Jeens, Sandlant and Carson finished on 297 counted out by 44, 33 and 30 centrals with Corbett fourth after his win last year. Richard, swapping rifle for newborn son (fast asleep all the while), was chaired off the range by a loud band and some careful bearers. It was an extremely popular win. ■



If the bundle so carefully carried by Richard in the appropriately considerate chair ride to the NRA office was any indication, perhaps there may be another Jeens to watch in the future

Richard Jeens is chaired off the range a worthy winner



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Wizards of Oz

Tony de Launay reports from a tightly contested St George's shoot that saw eight possibles and two Australians on the podium

To be sure of a high place in the final of the three-stage St George's these days, you would do best to make 75 in each of the rounds. A statement of the obvious maybe, but it is a far cry from not so long ago when 147 or 148 might have been good enough. Perhaps we are just getting old.

The Tuesday first round produced a tie between George Cotton of Horsham and Tom Drysdale of City of Newcastle, each with a perfect 75.15. Cotton tied it up with 24.2/V to 24.2/5 on the first sudden-death shot. James Corbett was there again, third on 75.14. The cut for the second stage was 73.9.

Second stage, Thursday evening, and 300 for 100 places. In the warm conditions with a right-hand wind Corbett took the lead, winning outright with an aggregate 150.26, and Jim Bailey of Australia holding second with 150.24. Oliver Rolfe of Wellington College, also on 150.24, was counted out into third. The cut for the final was 147.18, eight tying for three places.

Saturday morning dawned with overcast conditions and drizzle at 8.30am, soon replaced by high cloud and then the warm, sunny and humid conditions that typified the whole week. The wind came in from over the left shoulder, switching to straight down the range and flicking from side to side – a good testing start. Bullseyes blessed the top

eight for scores of 150. The top 25, ending with Jon Underwood, bottomed out on 149.17, but at the top of the lot was concrete and paving specialist Jim Bailey on 150.25. To him the trophy, the St George's Badge and the Gold Cross, followed by Rolfe one central behind who relegated Corbett into third place by two more centrals. ■



Jersey's Barry LeCheminant shot his way to the third stage



2013 Queen's Prize winner James Corbett was third



Jim Bailey receives the St George's Badge after posting the top score of 150.25

Kent makes it count

Tony de Launay recounts some truly grand shooting from Paul Kent in the ultimate test of consistent marksmanship

To break the habit of a lifetime and to recognise a special feat, we start at the end of the 11 matches. GB, Surrey and Old Epsomian Paul Kent took the Grand Aggregate in style, his second title – the first being in 1999. Along the way he chalked up his 30th appearance in the Queen's Prize final which, although not strictly a Grand achievement was, nonetheless, a grand achievement. He looked a tad shell-shocked at the end but that is forgivable.

The Daily Telegraph (500 yards), demanding of 15 shots in the bull's-eye, turned out to be a one-horse race. John Warburton of Huddersfield produced something better than sliced bread with the only 75.15, to take an outright win. James Watson (UVRG) and Rupert Clarke (RAFTRC) were second and third with 75.14. The paper had its copy without a need for a tie-shoot and in time for the Monday edition.

On we moved to Sunday, at the end of which we get a full measure of the first four events. Along with the generally breezy, hot and sunny weather we had another perfect possible, 50.10, from Warburton in the Alexandra (600 yards), this time sharing the brilliance with Steve Negus of Australia. The tie went to the Huddersfield man by 25.2 to 24.2 with Ant Ringer third.

With the wind changes getting quicker as the day wore on, the Daily Mail (500 yards) produced an outright winner in Rob Lygoe of Dursley on 75.15. Kent and James Corbett of Australia followed on 75.13. Over on Stickledown Hill the Duke of Cambridge heralded another clear winner in Barry Le Cheminant of Jersey with 50.10 followed by Colin Sherrat (Club 25) and Nigel Cole-Hawkins (NLRC) on the best 50.9s.

This meant that Parag Patel (Old Epsomians) led the Grand on 250.33 with John Bellringer (OEs again) on

250.29, Warburton 249.43 and Paul Kent (OEs yet again) on 249.40 – a close-run thing.

Monday's Times produced two 50.10s, Andrew Lothian of Epsomians vanquishing Richard Jeens in the tie-shoot. Two 50.9s contested the Wimbledon tie with Bevan Mehrtens of New Zealand beating Philip Lanigan of GB U-25s in the tie. Ant Ringer was third. The Corporation (1,000 yards) belonged to David Armstrong of Guildfordians, outright on 50.7 with Kent on five centrals the only other 50. The Grand had changed with Kent moving ahead by two points, followed by Warburton, Patel and Bellringer all on 395. By Tuesday lunchtime, post-St George's I, the order had changed again: Kent still led by two with Warburton and Patel on 470, with Le Cheminant on 469 ahead of Corbett and Jon Underwood.

Wednesday's Queen's I and Conan Doyle would set the scene for the final Prince of Wales match at 600 yards. In the Doyle, a tie of six 50.9s went in favour of Chris Haley of OCRA with the only perfect 25.5 in the breaker. On Wednesday evening Kent still led by two, with Corbett moving into second followed by Patel and Le Cheminant. With his two-point advantage, Kent could afford to lose one point and still post an outright win. Corbett and the rest had to make 75 with lots of centrals if Kent were to have a disaster.

No disaster was incoming however, with Kent making 74.11 for 700.102, Corbett on 74.10 for 698.10, while Le Cheminant pulled back one point with 75.13 for 697.101 to beat Patel for fourth by seven centrals. It had been a superb battle that ultimately ended with Kent getting the laurels. Great credit is due to the other pack leaders. To break 700 in the winds of the week has to be seen as a grand achievement. ■

Paul Kent and Steve Thomas await QII results. Paul had already taken his second Grand Aggregate title



John Warburton under weigh. He won the Daily Telegraph with the only 75.15

MAIN TR RESULTS SUMMARY

EVENT	1ST	2ND	3RD
Daily Telegraph	John Warburton (Huddersfield) 75.15	James Watson (UVRC) 75.14	Rupert Clark (RAFTRC) 75.14
Alexandra	John Warburton (Huddersfield) 50.10/25.2	Steve Negus (Australia) 50.10/24.2	Ant Ringer (UVRC) 50.9
Daily Mail	Rob Lygoe (Dursley) 75.15	Paul Kent (Old Epsomians) 75.13	James Corbett (Australia) 75.13
Duke of Cambridge	Barry Le Cheminant (Jersey) 50.10	Colin Sherratt (Club 25) 50.9	Nigel Cole-Hawkins (NLRC) 50.9
Times	Andrew Lothian (Old Epsomians) 50.10/25.4/5/5	Richard Jeens (NLRC) 50.10/25.4/5/4	Jeremy Thompson (Central Bankers) 50.9
Wimbledon	Bevan Merhtens (New Zealand) 50.9/25.4	Philip Lanigan (GBU25) 50.9/23.1	Ant Ringer (UVRC) 50.8
Corporation	David Armstrong (Old Guilfordians) 50.7	Paul Kent (Old Epsomians) 50.5	Simon Belither (UVRC) 49.6
St George's I	George Cotton 75.15/24.5	Tom Drysdale (City of Newcastle) 75.15/24.2	James Corbett (Australia) 75.14
Queen's I	Ant Ringer (UVRC) 105.19/25.5	Alex Coetzee (RSA) 105.19/25.2	James Borland (East of Scotland) 105.18
Conan Doyle	Chris Haley (OCRA) 50.9/25.5	Jeremy Thompson (Central Bankers) 50.9	David Richards (Old Marlburians) 50.9
Prince of Wales	David Armstrong (Old Guildfordians) 75.13/24.3/V	Jack Kelleher (Victoria College) 50.9	Martin Millar (Comber) 50.9
Donaldson Mem	George Cann (Exonia & Tiverton) 75.12	Peter Holden (OGRE) 75.10	Jonathan Haward (Exonia & Tiverton) 75.8
Grand Aggregate	Paul Kent (Old Epsomians) 700.102	James Corbett (Australia) 698.101	Barry Le Cheminant (Jersey) 697.101
St George's II	James Corbett (Australia) 150.26	Jim Bailey (Australia) 150.24	Oliver Rolfe (Wellington College) 150.24
St George's III	Jim Bailey (Australia) 150.25	Oliver Rolfe (Wellington College) 150.24	James Corbett (Australia) 150.22
Queen's II	James Corbett (Australia) 150.24	Frank Bilton (Leiston Patriotic) 150.23	Richard Jeens (NLRC) 149.24
Queen's III	Richard Jeens (NLRC) 297.44	Rob Sandlant (Australia) 297.33	Simon Carson (Comber) 297.30

Andrew Lothian of Epsomians
vanquished Richard Jeens in
Monday's Times tie-shoot



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Imperial team matches

Tony de Launay witnesses English and British victories at the National, Kolapore and Mackinnon TR matches

THE NATIONAL MATCH

Thursday afternoon, and with the Grand Aggregate completed, shooters could concentrate on the first of the national and international matches in the intense heat. Teams of 20 on five targets, five target coaches and a main coach, not to mention adjutant and captain, from England, Ireland, Scotland and Wales joined on the Century's heath to battle for the magnificent National Match Trophy. In recent years Ireland and Scotland have shown that the old gap between themselves and England has drawn steadily closer with noted defeats of the *auld enemy*.

Nick Hinchliffe for England was determined that his team would score well. Chris Fitzpatrick (Ireland), Tim Kidner (Scotland) and Paul Gray (Wales) certainly had their own plans. England's start at 300 yards was a captain's dream, dropping just five points in some testing breezes at a distance that does not forgive first range nerves. Scotland followed 16 points off, Ireland 18 and Wales 23 away. England increased their lead at 500 dropping just two more points, while the rest maintained station a further eight, 10 and 12 points off.

At 600 yards England gave no mercy, dropping just five for a total of 13 off, while the Scots finished 28 off, the Irish 40 off and the Welsh 57 off. It was a new record for Hinch's team which posted 11 scores of 105 in their total. As a fitting finale, and in memory of a very fine and much loved Scot worldwide, the David Hossack Memorial Salver was presented to England's Matt Purdy on the range. He just edged out Scotland's Sandy Walker, both on 105.17, by virtue of counting back to one central bullseye at 600 yards.



Paul Kent checks the contents of his ammunition box

1. England 2087.278 (M Purdy 105.17)
2. Scotland 2062.264 (A Walker 105.17)
3. Ireland 2060.256 (R McQuillan 105.14)
4. Wales 2043.223 (C Watson 105.15)



Emma Cannings updates the scores as England head for victory

THE KOLAPORE



With only eight dropped from 1200, it's a truly great British performance

Great Britain, led by Dick Rosling, stamped their mark on the seven team Kolapore Match. After a start at 300 yards in which they dropped two points and led Jersey by one point, Canada and Australia by two and Guernsey by three, Great Britain made the longer distances tell. With just a single point dropped at 500 and five more at 600, they finished a total of eight off.

Jersey maintained their record of fine finishes on 25 off, with the Australians third, 29 off as they strive for more regular visits to the Bisley Meeting. Guernsey, never say die, were fourth on 31 off but Canada's promising start ended with disasters at 600 to drop them from a potential top three finish to fifth overall on 37 off.

One interesting statistic to come out of this was the appearance by GB's Bill Richards in a coaching berth in the match for the 13th time, equalling the record set by the late Arthur Fulton. Congratulations to a notable lizard – Bill, that is.

1. Great Britain 1192.177 (A Ringer 150.25)
2. Jersey RA 1175.146 (D Richardson 149.23)
3. Australia 1171.138 (J Bailey 149.18)

THE MACKINNON

An almost dead flat calm between the early and later breezes greeted the nine teams in the Mackinnon long-range match on the Saturday morning. It was ideal for records, and so it proved. With an Australian team keen to repeat their success after their stunning victory last year, the needle was well and truly in the match. England's sucker punch knocked the wind out of just about everyone at 900 yards, their 12 shooters dropping a miserly two points among them. Nearest chasers were Scotland and Canada on seven off, with the rest nine or more points lost.

The English screw tightened with three more 50s at 1,000 yards as the breezes started to lift the flags away from the post. They finished ten off at the distance for a total of 1,188.149, a second new record at the meeting, this time masterminded by Kentish farmer Peter Bromley. Four scores of 100 were on their board with five 99s, and Ant Ringer added top English score to his top GB score in the Kolapore.

With Canada fading, Scotland held on well to take second place, finishing thirteen points adrift, Sandy Gill on 100.16 also posting the top individual score. Wales finished in third, a deserved podium place for Paul Gray's team.

1. England 1188.149 (A Ringer 100.15)
2. Scotland 1175.129 (S Gill 100.16)
3. Wales 1167.130 (R Jeens 100.10)



Wales were helped to third by a 100 possible from Richard Jeens...



...but ultimately England were unstoppable once more

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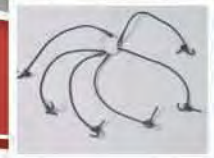
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Imperial Meeting: Around the disciplines

MATCH RIFLE

JOHN LINDSAY REPORTS ON THE INDIVIDUAL AND TEAM AGGREGATES FROM THE MATCH RIFLE EVENTS, WHICH SAW ENGLAND TRIUMPH AND LYGOE ON TOP OF THE HOPTON

The Hopton Match Rifle aggregate 2014 was quite a meeting, with tricky wind conditions and a constantly changing weather forecast that left competitors guessing. Highlights included veteran shooter David Friend winning the Whitehead with an impressive pair of 75s. Another experienced shooter with an impressive pair was Ted Hobbs, who claimed victory in the Halford with 150.20, despite having confused the Any Rifle with the Any Target competition on Friday.

The second day saw one member of the match rifle community narrowly beaten by another, with Rob Lygoe winning the Cottesloe ahead of Tim Kidner by just one v-bull, with a score of 100.17. 1,200 yards saw the Scots vying for independence, with Mike Baillie-Hamilton taking top spot in the Armourers with a score of 98.13. The Scots continued their winning streak when they brought in their secret weapon and Commonwealth Games shot, Angus McLeod, sporting his new national colours, who won the Edge by five clear points with a score of 198.27. The standings, going into the final day, had Englishman Rob Lygoe leading the Hopton by only a handful of points, closely pursued by the eager Welshman Ted Hobbs.

The final day of the Hopton was taken up by the Albert, a particularly challenging competition owing to its format of no sighters and 15 shots to

count at 1,000, 1,100 and 1,200 yards. Special mention must go to Fiona Day, who adeptly handled her rifle and began the competition by top-scoring at 1,000 yards with an almost perfect 75.14, narrowly beating Rob Lygoe's 75.13.

As competitors fell back to 1,100 yards, the heavens opened, resulting in soggy scorecards and even soggy scores. A couple of Welsh competitors, not used to the weather, were even seen running for cover. By the time 1,200 yards began, the skies had cleared and the wind settled down (a bit). Rob Lygoe and Phil Bain managed 75.9 and 75.8, respectively, which is always impressive at 1,200 yards. The winner of the Albert, however, was Nick Tremlett, who only dropped four points over the three distances, scoring 221.31 – no mean feat in a competition without sighters. The prize for top tyro in the Albert went to Mike Budsey-Judge with a highly competitive 214.21.

Despite finishing third in the Albert, Rob Lygoe held on to his convincing lead and won the Hopton Aggregate with a score of 1003.129 – particularly notable as competitors rarely finish with a score of over 1,000 points. Ted Hobbs finished in second place with 993.124, and Mike Barlow took third with 991.83. The Ogden Challenge Cup for top Tyro in the Hopton Aggregate was won by Sgt Rob Kitson, with a score of 961.88. The winner of the RWS aggregate (comprising all 1,000 and 1,100-yard shoots in the Hopton, shot



Lord Elcho presents the Elcho Shield to England's team captain Nick Tremlett

with issued RWS Target Rifle ammunition) was Parag Patel with a score of 398.30, with Wg Cdr Dave Calvert in second place, scoring 394.36 and Ross McQuillan in third place with 386.24.

In the team competitions, the Match Rifle Pairs was won by the 'Anglo-Supines' (Rob Lygoe and Julian Peck), with a score of 188.20. The Five Nations Match was won by the Welsh team, with a score of 734.52, with the Irish hot on their heels in second place, scoring 734.49. The FW Jones was won by the NRC of Scotland team, which made a score of 567.49. In second place was the Etonian Shooting Club with 564.45 and, in third place, the inimitable Hopton Supper Club, who dined out on a score of 560.38.

The pinnacle of the Match Rifle week, however, was the competition for the Elcho Challenge Shield, which took place on Wednesday between

England, Ireland, Scotland and Wales. Like the Albert, the course of fire for the Elcho match consists of no sighters and 15 shots to count at 1,000, 1,100 and 1,200 yards. Getting a shooter's elevation right for the first shot at each distance is as important as the coach making sure that they are on top of the wind. In light of this, it was no surprise to hear the English coaches asking firers to make sure that they 'had their Alberts on' before the start of the match.

Teams were greeted with a tricky fishtailing wind at 1,000 yards, and the lack of possibles reflected this. However, David Friend (England) managed 75.8, Mike Barlow (Scotland) shot 75.9 and David Lindsay (Ireland) did best of all on 75.10. With the first distance completed, Scotland found themselves in the lead with 586.69, three points ahead of England with 583.71 and seven points ahead of Ireland with 579.66.

At 1,100 yards, flags were blowing in different directions, leaving coaches wiping their brows in frustration. In spite of this, Rob Lygoe managed the range's only possible, scoring 75.11.

The rest of the England team only dropped 40 points, allowing them to establish a two-point lead over Scotland, with one distance remaining. Ireland trailed Scotland by 18 points and Wales followed another five points behind.

With the scores so tightly bunched, it was all to play for at 1,200 yards. The tricky wind meant an ill-timed shot would be all it took to knock the leaders out of contention. Coaches pressed their eyes to their scopes, while England adjutant Richard Whitby went in search of their star shooter, Rob Lygoe, who had 'just gone for a quick nap in his caravan'. In the end England increased their lead with some consistent scores, only dropping four more points at 1,200 yards than they had at 1,100. The match concluded with England in first place, retaining the Elcho Challenge Shield, having made a total of 1699.154 out of 1800. Scotland were runners-up with 1663.134, Ireland in third place with 1632.140 and Wales in fourth with 1626.105.

With all shooting concluded, competitors retired to the garden of the English Eight Club, where distinguished

guests, the Earl of Wemyss and March and Lord Elcho, presented both the individual and team Match Rifle trophies, including the Elcho Challenge Shield itself. It was then time to pack rifles away for another year, with competitors shuffling off, mumbling things about 'not having got too wet' and 'using those bullets next year, then I'll show them how it's done'.

Photography courtesy of Silke Lohmann and Nick Tremlett



Kate Fitton put in an impressive score at 1,200 yards



The England team: Bill Richards as main coach, Derek Lowe coaching Andy Gent and Alex Cargill Thompson coaching Hopton winner Rob Lygoe

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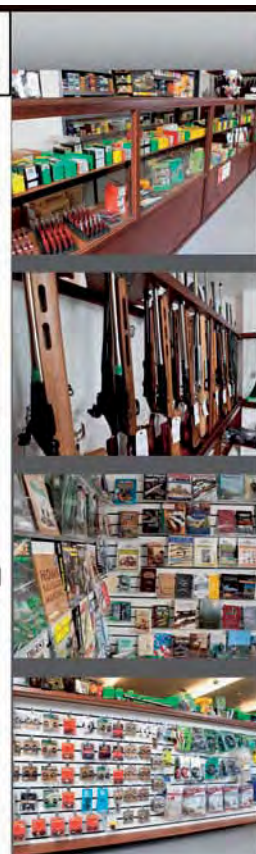
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CIVILIAN SERVICE RIFLE

MARK BRADLEY HAS THE FULL RESULTS FROM A PACKED FIVE DAYS OF CIV SR ACTION THAT SAW WELL OVER 300 CARDS SCORED

Shot over five days on four different ranges with 10 competitions, the Imperial Civ SR championship is a feast of variety, with positional shooting at distances from 25-600 yards as well as a bit of a physical effort (not too strenuous though – none of us are getting any younger).

With a total of 345 individual entries, the games began on 29 June. Wednesday saw the Imperial Practical Rifle Match: starting at 600 yards with the only two permitted sighters of the day, the competitors took their turns in butts or on the firing point.

After 10 stages fuelled by glorious sunshine, the winners of the four classes were Nigel Greenaway (Service, 448), Mike Barratt (Practical, 443), Bob Wightman (Iron, 325) and Alan Godfrey (Historic, 271).

Thursday is the day the championships truly start, and the day is split into four matches. In the morning, it's the Urban Contact on Short Siberia and the 100 & 200 matches on Century. Adam Chapman took the honours in Service with an impressive 188 ex-200, while Ben Salford (171), Bob Wightman (151) and James Geering (138) took the honours in Practical, Iron and Historic.

The 100 match is a 10-shot standing and kneeling series of three-second snap exposures, which again saw class wins for Adam Chapman (44), Bob Wightman (42) and James Geering (38), while Colin Hudson took the gold in Practical with 42.

The 200 match is made of two practices: the Bisley Bullet (similar to the McQueens) and the Sitting rapid fire. Top shooters here were Nigel Greenaway in Service (98),

Fred Cooke (Practical, 95), George Ellis (Irons, 78) and Doug Cross (Historic, 65).

In the afternoon all firers assembled at 300. The 300 match is made up from three practices, the Kinnaird, Stevens and Wantage, and is also a mixture of prone, snap and rapid-fire practices. Nigel Greenaway again took the Service with 149. Olivier Larrue (149), Dave Moran (144) and Andy Harrison (76) also took home golds.

To Friday, and the Long-Range Rural Contact. This features a 500-yard rapid fire, 500-300 rundown, 300 snap and 400 sitting. First place went to Chris Vale in Service (178), Adrian Newberry (Practical, 188), Sean Clarke (Irons, 154) while Doug Cross picked up another gold in Historic with 103. Next was the Short Range Rural Contact: a total of 52 rounds, including 300 Rapid, 300-100 Rundown, 100 Standing, 200 Sitting Rapid and 300 Snap. The class winners were once again Nigel Greenaway (238), Adrian Newberry (225), George Ellis (210) and James Geering (153).

Saturday was the final day of the individual Championship and saw all firers leave Bisley and head over to Stoney Castle for the Rural Contact. This match is made up of six stages, and starts at 100 moving back to 500, with the final stage being the 500-300 rundown. 62 rounds in total, with the only sighters of the day at 500.

During this match the weather decided to throw us a surprise by bringing a deluge of rain of almost biblical proportions. The last rundown of the day saw the final detail scampering across the gorse while thunder bellowed and forked lightning streaked across the sky. Despite the unfamiliar

conditions, the match winners were familiar: Chris Vale 178, Adrian Newberry 188, Sean Clarke 154 and Doug Cross 103.

Sunday saw the final event: the Methuen Team match. This saw 15 teams of six shooters compete across the Practical and Historic classes. This is the flagship event on the CSR calendar and brings out the full colour seen at many other NRA events.

As in previous years the main rivalry in the Practical Class was between the Highpower Rifle Association (HRA) and the London Practical Shooting Club (LPSC). After five stages of excellent shooting, the HRA was crowned the winner and managed to retain the Mauser Trophy for the second year. In the Historic Class, LERA went home with the Mons Trophy.

The 2014-2015 Winter CSR League starts off again on Sunday 5 October. Hopefully we'll see you there.

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1st	Peter Cottrell	1116
2nd	Bill Ellis	1099
3rd	Chris Vale	1092

PRACTICAL

1st	Adrian Newberry	1105
2nd	Martin Camp	1076
3rd	Nick St Aubyn	1061

IRON

1st	George Ellis	949
2nd	Bob Wightman	902
3rd	Sean Clarke	875

HISTORIC

1st	James Geering	692
2nd	James Drummond	637
3rd	Doug Cross	586

METHUEN PRACTICAL

1st	HRA	1351
2nd	LPSC	1307
3rd	PSSA	1277

METHUEN HISTORIC

1st	LERA A	861
2nd	LERA B	652
3rd	Mars & Minerva	592



GALLERY RIFLE

NOW'S THE TIME TO GET INVOLVED IN GALLERY RIFLE, SAYS NEIL FRANCIS,
AND THE IMPERIAL GR&P EVENTS ARE THE PERFECT EXAMPLE OF WHY

Smack bang in the middle of the Imperial meeting, a bunch of shooters, range officers and other enthusiastic souls gather around Melville ranges for a few days of relaxed but competitive Gallery Rifle and Pistol (GR&P) shooting. The meeting runs for five days – middle Wednesday to middle Sunday – and is worth at least a couple of days off work to attend. But it seems to be off the radar for a lot of GR&P shooters. Many a time I've been met with quizzical looks when trying to entice them to shoot the meeting. So it's high time for an outline of what people are missing.

In the 1990s and earlier it was a pistol meeting. Pistol shooting at the Imperial? It was always thus! It changed to a GR meeting in latter years and has been tweaked and amended as time has progressed but the overall ethos of the meeting has remained.

The meeting is open to all shooters and offers competitive challenge in Gallery Rifle Centrefire (GRCF), Gallery Rifle Small-bore (GRSB), Long-barrel Revolver and Pistol (LBR/LPB), Muzzleloading Revolver/Pistol (MLP/MLR) and some Air Pistol. There are unlimited medal entry matches, squadded trophy matches and team matches.

The traditional trophy matches are run over the weekend and if entered will be squadded affairs. The trophy matches, for GRCF, are iron sights only. Come on – there are scoped matches galore elsewhere, and the classic entries at the other GRAW meetings are on the increase. There is no need to be intimidated. All are at 25m, and with practice anyone can hold their own with iron sights at this distance.

But the bulk of the shooting is the unlimited entry matches. Any sights are allowed here. The idea of the 'unlimiteds' is exactly that: unlimited entries. People can shoot as many times as they want in a given event and keep handing scorecards in. In fact, to get a score on the board you have to submit at least two cards in any event.

On this basis entry costs are kept low. This year medal entries could be had for



as little as £4.50 a card. It's the cheapest shooting on the GR circuit I know of.

The Events

There are seven unlimiteds, and they are described in the Bisley Bible – but here's a summary. These are available for both GRCF, GRSB and MLP.

- Advancing Target
– 24-round course of fire
- America Match
– 30-round course of fire
- Police Medals (T&P1)
– 30-round course of fire
- Service Medals (Multi-Target)
– a 24-round course of fire
- Scott Medals (precision)
– 20-round course of fire
- Granet Medals (duelling match)
– 20-round course of fire
- Silhouettes Medals (rapids match)
– 15-round course of fire

Now the Grand Aggregate, available for GRCF and MLP. Take one of each of the above events for GRCF and nominate the card. Exclude America and Silhouettes and it's the MLP Grand Agg. Shoot them all and you are in the mix for the Imperial Grand Aggregate medal. Remember the GRCF sights rule mentioned above for the unlimiteds? The one exception is here – it's iron sights only for the Grand Agg.

As previously mentioned, trophy matches are competed for over the weekend and are

available in the following events. They are all for GRCF apart from the two indicated. And remember, they are all iron-sighted affairs!

- Police Match (T&P1)
- Service Match (Multi-Target)
- Scott Cup (Precision)
- Granet Cup (Duelling)
- Silhouettes Cup (Rapids)
- Cotterill Trophy (Air Pistol)
- Lightweight Sporting Rifle (LSR) match (Smallbore)
- Galleryrifle Match
(currently precision and duelling)
- Man v Man match

Club teams will also find plenty on offer.

There are nine team events in total but three are restricted to University teams and one is a traditional Oxbridge match. It still leaves five open for any club team, and some of the trophies on offer are magnificent to behold.

The final medals on offer are the Highest Possible Score (HPS) jewels. These offer a chance to achieve a reward based on achieving perfect scores in any of the competitions. As with most shooting, you are only competing against yourself.

In reality that's about it. Because it runs for five days the meeting has a more relaxed feel than the more intense GRAW meetings. That and the lack of weekday squadding – just turn up and shoot – makes it an ideal was to introduce people to the competitive side of GR&P shooting at Bisley. See you there in 2015 maybe – 8-12 July. ■

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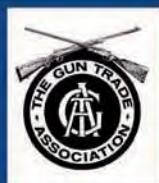
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Summer shoots

Outside the Imperial, the major events taking place at Bisley and further afield from June to August

FIFTY CAL WORLD CHAMPIONSHIPS NEW MEXICO, 3-5 JULY By Mike Roberts

Three of us set off for New Mexico on 1 July, the fourth team member having left the week before for a family holiday in the US.

Arriving at Heathrow with the .50s was an unnerving experience, especially when British Airways decided they were completely unaware we were travelling with firearms, even though we had phoned, checked, re-checked and confirmed that they knew before we left. The problem became greater in that they deemed the .50s weapons of war, not sporting rifles. If it were not for G4S, things would have been a lot worse. Their supervisor (a young lad of Gurkha upbringing, whose dad is a serving British Army NCO) went above and beyond and dealt with BA on our behalf in a very professional manner and had the problem resolved in no time, through his determination and by skipping out the 'middle men' and going directly to the head of BA security at Heathrow.

Rifles finally checked in, after being X-rayed and inspected by customs, it was time for a 10-hour flight to Denver.

The first day of competition saw us at the briefing for 6am. Rifles weighed in and matches entered, two of us were shooting in all classes and two in only two of the classes, plus all of us were shooting in the Practical class (yes, PR with a .50!)

The PR took place at the 600-yard point and consisted of five sighters (unmarked) and then 15 rounds to score, the 15 rounds having to be shot in 10 minutes. Top honours went to the Barrett team, who incidentally supplied all the ammo for the practical match.

Friday saw the start of the match proper and it was again a 6am briefing for a 7am start. Early starts were essential as by early



Brits abroad: Heading out on to the range at Raton

afternoon the temperature was pushing well into the hundreds.

The team shot well on the first morning, with consistent hits and good scores. As those who have shot at Raton will testify to, the wind flags had a mind of their own – one flag may be showing a full value-wind left to right, while the next flag would be blowing directly at you. Gusts in excess of 50mph were common throughout the two days.

The afternoon saw Chris Buckley and Malcolm Hurst swap roles (as they were only shooting two classes each, they shot alternately, one shooting, one pulling the targets). Stuart Gilbert and I had the luxury of having 'paid' target pullers for our targets. Stu continued to shoot well, but my rounds started going astray and I could not figure out why. There was no pattern to it – one would go left and then one would go right (elevation remained constant). This knocked me back in the standings.

I scrubbed my rifle until it shone ahead of Saturday's proceedings. Stu continued to shoot well and push hard. I stayed with him all morning and shot my smallest group of the match just before lunch: an 11.2" group,

the smallest of the British team. After lunch, things started to go astray for me again. I just could not figure it out and was starting to get frustrated, when I noticed the windage drum on my scope was doing its own thing. I left the point mid-relay, found my toolkit in the car and managed to solve the issue, allowing me to finish that relay with three more bulls and drag my scores back up. It turns out the high temperature was causing the screw on the drum to come loose and let it rotate under the intense recoil of the .50s – big relief that it was not down to my shooting.

The team did well. We took third (Stuart Gilbert), fourth (me) and fifth (Malcolm Hurst) in the international event, along with fifth (Stuart) and sixth (me) in the Iron Man competition, which is for those who shot in all four matches.

A long, hard week's shooting – I shot just over 300 rounds of .50 BMG in three days of competition. Thanks to those that helped make this trip a success: The Shooting Shed, Scott Country International, Extreme Performance, Sniper One and the FCSA (UK).

NOTTS RA VS. DERBY RA FULL-BORE CHALLENGE DRA, 19 JULY

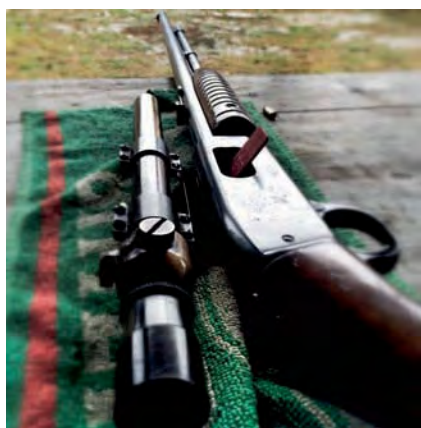
By Simon Favell

First of all, I would like to thank all the individuals who made the effort, both for Nottinghamshire RA and for the home team of Derbyshire RA, who turned out to Thorpe, on one of the wettest days we have shot for a long while.

The morning started off badly, with the delayed start time being pushed further back due to the heavens opening. The rain was pretty much constant then until the second detail after lunch. However, the second detail did not have it all their own way as the temperature started to rise, so did the humidity and then the heat haze off of the mantle. Both teams were reduced down to the best eight scores from nine, as one Notts RA team member left without shooting due to the inclement weather, and a Derby RA team member owing to medical reasons.

The results are in the table to the right. The next Derby / Notts Inter County Shoot is on Saturday 13 December.

NOTTS VS DERBY: FULL RESULTS					
NAME	CLASS	300 YARDS	400 YARDS	500 YARDS	TOTAL
DERBY RA TEAM					
P Wright	TR	50.7	50.7	48.7	148.21
M Parkes	TR	48.5	48.8	48.3	144.16
A Banner	TR	48.5	47.4	47.6	142.15
B Stubbins	TR	46.4	46.3	48.6	140.13
T Stubbins	TR	45.4	47.4	46.3	138.11
P Brown	TR	45.6	48.3	43.2	136.11
O Favell	OR	38.1	48.2	47.5	133.8
D Raybould	F	45.1	42.2	43	130.3
NOTTS RA TEAM					
W Mott	TR	47.2	49.2	48.1	144.5
M Woodward	TR	48.2	46.2	44.3	138.7
G Sheldon	TR	45.3	46.4	45.2	136.9
D Robson	TR	44.2	45.1	47.3	136.7
D May	TR	45.3	46.4	44.4	135.11
F Day	TR	42.2	46.4	46.3	134.9
M Mott	TR	44.1	44.3	46.3	134.7
D Woodward	TR	45.3	43.2	43	131.5



HBSA MINIATURE RIFLE MEETING BISLEY, 9-10 AUGUST

By Derek Stimpson

Bisley played host to a double inauguration featuring a Historic Rifle Meeting and the famous Edwardian Pistol Gallery Range.

The HBSA held its first open Classic and Historic Miniature Rifle Meeting (replacing the old SMRC meeting, which was part of HARC). This took place on the Winans Range, which had been refurbished for the occasion. Winans Range is the old pistol gallery situated in the heart of the camp and built in 1906, named for Walter Winans, the famous revolver and running deer shot.

The event has been expanded from just .22RF and is intended to provide competitions for historic and classic, single-shot, rook, and gallery rifles. These are for lower-powered rifles (up to 2,000fps and 1,200ft/lb energy – typically chambered for .22, but including .310 Cadet, .300 Rook, .360

and .380 Rook and several others) shot at 25 yards and competing in the ‘spirit of the original’.

Fifty entrants shot around 175 competitions. Most of the shooting was standing but there were prone matches too, plus ‘standing supported’. Among the rifles used were many BSAs, including Sportsman 15, Century, Models 2, 5, 6 and 8, a Raylock, .310 Cadets, plus Brownings, Brno Mod 1, Winchesters, Remingtons, Marlin, SMLE .22RF conversions, and a selection of British makers such as Greener, Pape, and Woodward.

The meeting was a lively, friendly event, with much mutual admiration of the interesting rifles being shot, and much nostalgia, combined with a very competitive atmosphere. Winans also proved to be a pleasant range to shoot on – and right in the core of the camp.

The weekend is set to become a fixture in the HBSA and the NRA calendar for the second weekend in August. Contact HBSA for further information: www.hbsa-uk.org or shooting@hbsa-uk.org.



NRA PRACTICAL PISTOL MATCH BISLEY, 3 AUGUST By George Granycome

Following the last few years of action shotgun and multi-gun matches, a few diehard pistol shooters decided that the decline of practical pistol had to end and conspired to put on the largest and best long-barrelled practical pistol match in Great Britain for almost 20 years.

Ideas, bookings and stage designs frantically followed (many of which were completed in the car-park at Shield on the back of a copy of the NRA accounts – but that is another story). Thanks to Neil Brooklyn of Frome club for the ideas and to the Club itself for loaning the pepper poppers (metal targets) and moving targets. A special mention to Peter Matthews and Steve Denton for assisting with the build on 2 August and not getting annoyed at the meeting director's constant changes of mind.

The stages, nine in all, were laid out across the full width of Butt Zero and comprised almost 100 separate targets and penalty targets that variously bobbed, dropped and fell when shot at, depending on type. Most of the targets were between 5 and 10 metres

PLACE	NAME	%	POINTS
OPEN DIVISION			
1st	Chambers, John	100.00	619.42
2nd	Brooklyn, Neil	95.49	591.49
3rd	Vowles, Richard	83.50	517.19
STANDARD DIVISION			
1st	Towndrow, Nicholas C	100.00	660.88
2nd	Harris, James	71.74	474.13
3rd	Swift, Matthew	70.93	468.78

but the odd long shot at 25 was snuck in and a few were closer to speed the pace up.

The favourite, judging by the laughter, was stage 2, which required you to activate 'dropper-turner' targets that appeared for about a second by shooting the pepper poppers around a Bianchi barricade. Bear in mind that you had to shoot the popper before swapping sides around the barricade to shoot the droppers. To get a shot on each dropper was a good result; to get two shots was beyond most.

Stage 4 was also well received. It had three falling poppers, a bobbing target and a host of paper targets from close up to far away. Smoothness and reliability of equipment ruled the day here, and it was demonstrated by the division winners Nick

and John. Since we were only shooting .22s, the MD decided that everyone would score minor points for non-central hits, and as such accuracy was rewarded.

The efficient running of the match meant an early finish, so the new .22 falling plate racks were rolled out for trials while the adjacent ranges were cleared. The intention is to use these plate racks for man-v-man competitions and falling plate practice.

It was pleasing for an old-time pistol shooter like me to be asked to act as range master for this event, and I must add my warmest congratulations to the winners and thanks to the participants for turning out. It bodes well for the future of practical shooting that the NRA can put on such well supported events at short notice.

SHIELD SUMMER CHALLENGE SHIELD SHOOTING CENTRE, 7-8 JUNE *By George Granycome*

The highlight of the action and practical shotgun year is always the match at Shield Shooting Centre in Dorset, just inland off the coast road between Weymouth and Bridport. A comprehensive, cleverly designed match, it always offers the best of both worlds to competitors – it normally has three or four woodland and field stages, and seven or eight in the old pistol ranges next to the spacious clubhouse and car park.

The field stages were, as always, wonderful. Two were mixed birdshot and buckshot stages. The buckshot is specified as being SG (Special Game) and each cartridge contains about nine pellets, each of which leaves a big enough hole in a paper target to be scored normally. Each target must receive two buckshot hits. If a shooter gives a paper target a full pattern of birdshot it does not count – but he can still score if he subsequently hits it with buckshot.

But there are also clay pigeons attached to steel posts with elastic bands. A lucky shot with buckshot

will break them, more often the clays survive unscathed in the gaps in the shot pattern, especially at long range. It is therefore necessary to use birdshot to be certain of breaking the clay. The problem for the shooter is that the arrangements of paper targets and clay pigeons, and also a few steel-plate falling targets to add even more interest, is always in such an order as to make reloading planning very difficult – and the plan will fall apart with an oh-so-common miss.

Time and space prevent me from describing every stage plate by plate, but there were some exceptionally good stages, including a slug stage of about 20 rounds, which was absolutely outstanding and required you to hit bobbing paper targets at approximately 25 metres and miss large and well placed penalty targets at the same distance. Another old favourite was the swinging platform – while many shooters can hit moving targets from a static position, hitting static targets from a moving platform is not so easy.

I hope I have indicated here that this match is the pinnacle of the shotgun year, and although results are of little interest to me, as I believe that it is the taking part that is more important, I must give the winners. There are three main divisions

in Shotgun: Mathew Warne, who cuts a distinctive figure about the range, won the Open Class, a small but growing class that takes in guns with red dot sights, box magazine guns, and traditional shotguns with huge magazine tubes. Iain Guy won Pump-Action, officially known as Standard Manual. Iain's main club is Romsey and he is probably the most laid back of all the top rank shooters – or perhaps he just looks that way! Mike Darby, a Shield club member who has won so often in recent years that his house is now full of cups, medals and certificates and is in danger of becoming a veritable Steptoe's yard of shooting trophies, won the largest class, Standard Auto.

After a long period of decline, action/practical shooting seems to be on the up again thanks to the hard work of the NRA and the promotion of club matches by F4i – the entries to this one match almost topped 100 this year, which would have been unthinkable five or six years ago. It appears that with the correct leadership and a light touch the sport can flourish. Why not join us next year at Shield and help break the century?

For more details of shotgun events contact the hard-working discipline rep James Harris via targetshotgun@nra.org.uk or go to <https://four4islands.org>. ■



Matthew Warne, later crowned winner of Open class, turns his hand to the RO job as Jon Holloway shoots



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Double gold for England

The BBBC (Barry Buddon Broadcasting Corporation), led by James Watson, reports from the Commonwealth fullbore events where Luckman and Patel were the names atop the scoreboard

As the nation's attention turned to Scotland for the Commonwealth Games, home country shooters from England, Scotland, Northern Ireland, Wales, Jersey and Guernsey joined the other commonwealth countries for five days of intense competition on the fullbore ranges at Barry Buddon.

For most of the home countries, this marked the end of months if not years of selection trials and training to represent their nations. There were those with significant experience (David Calvert of Northern Ireland, for example, attained his 10th Commonwealth cap), but for most of our competitors, it was their first experience of this rare event of this calibre.

The pairs and individual competitions are based on a "Queen's" course of fire: two sighting shots and seven to count at 300, 500 and 600 yards in the first stage; two sighters and 10 to count at the same distances in the second,

followed by two sighters with 15 at 900 and 1000 in the final stage. The competitors were divided into two details with the top shooters in the second detail in the final stages.

The pairs competition was shot first and skips the first stage; the scores of both shooters are combined and generally the firers coach each other.

After a week of practice days, the pairs competition started on Friday 24 July and, having shot 300 and 500, the sea mist (haar) began to engulf the targets making it impossible to see the end of the range. This is a regular occurrence at Barry Buddon (on the coast just north of Dundee) and it is never clear how long the mist will linger, clearing for a few minutes then hiding the targets again. At about 5pm, following an afternoon of waiting, the officials made the decision that the 600-yard range would be shot on the Saturday morning before the final

stages; five minutes later, the mist cleared and there was perfect visibility across an empty range.

Going into the second day, there was little to separate the pairs: Patel and Luckman had the lead by three v-bulls from the Australians Corbett and Grenfell, both teams with perfect scores of 200. Chasing them were Jersey, Northern Ireland, Scotland and Canada a point off the leaders with South Africa, Guyana and Wales a further point away. As the start approached, many familiar faces appeared to watch, and competitors had their families with children camped out behind the firing point – it was almost Bisley recreated in Scotland.

The conditions at 600 yards were relatively calm, and Australia closed the lead to a single v-bull with some minor shuffling of places below them. It was all to be decided at long range – then the haar reared its head once again. The delay lasted about three hours, and during

this lapse the spectators passed the time discussing the scores and media coverage (or lack of it by the BBC).

The mist cleared and detail one at 900 started at about 3pm. Scores were once again high, but Australia dropped a point to give England a slight lead. The scores from the chasing pack of five countries spread out as Canada rose to the top of the group.

So to the final range and the skies began to darken. Spectators converged under the limited number of gazebos as the heavens opened and the first detail were treated to a downpour. By the time the second detail began, the rain had eased off and an enthralled group crowded round a makeshift leaderboard on which a few volunteers were keeping track of the teams. Patel then Luckman shot quickly, dropping a total of five points and finishing before many of the other teams had even started their second shooter. Australia found a magpie (dropping two points) and then put a bull on England's target just as David Luckman was about to fire his sighters. It wasn't until Scotland and Canada were in their final shots that we realised England had gold and couldn't be beaten, and it was then a scrap for the silver medal. Parag was aware from David's 10th shot that they were almost certainly going to take gold.

What gave England the edge? Luckman attested to the "third member of the team", Jeremy Langley, in the team manager role being essential in assisting the pair.

With the completion of the pairs event, the shooters returned to the range on Sunday morning for the individual match. Weather was forecast to be better for the first two days, but a strong tail-wind was expected on the Tuesday. As with the pairs, the sea mist caused disruption which turned the shoots into one range at a time, consequently disjuncting them and hence making it difficult to maintain concentration. After two days of competition, three points separated the first 17 firers – any of whom had the potential to win. The 900-yard shoot was relatively calm, but light changes caused low shots for many. The final

PAIRS RESULTS

		TEAM MEMBERS	300,500,600	900,1000	TOTAL
1	England	Parag Patel, David Luckman	300.43	295.34	595.77
2	Canada	Des Vamplew, James Paton	298.30	294.24	592.54
3	Scotland	Angus McLeod, Ian Shaw	298.36	292.29	590.65
4	Australia	Geoffrey Grenfell, Jim Corbett	300.42	286.24	586.66
5	Jersey	Barry Le Cheminant, Dan Richardson	298.37	287.20	585.57
6	Guyana	Mahendra Persaud, Lennox Braithwaite	296.26	289.21	585.57
7	Wales	Gaz Morris, Chris Watson	298.33	286.27	584.60
8	New Zealand	John Snowden, Mike Collings	295.27	288.17	583.44
9	Northern Ireland	Jack Alexander, David Calvert	298.32	283.19	581.51
10	South Africa	Johanes du Toit, F Alexander Coetzee	296.32	278.21	574.53



The Canadian pair shot their way to second place in the singles and pairs



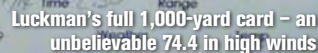
Good start: Parag Patel's scorecard on the way to a bronze medal

As often is the case, the requirements for a 1,000-yard range meant shooting could not be held in the immediate vicinity of the rest of the Games. Therefore, the athletes were housed in hotels in Dundee near the shooting facilities and the English pair took advantage of the location to go for runs along the river Tay. Other teams found less athletic ways to wind down in the evenings. Security was very strong, with airport-style X-rays at the hotel entrance and armed police. Parag said: "Being in a satellite village loses some

The ranges were situated at Barry Buddon, a military base on the outskirts of Carnoustie (also famous for hosting the golf Open several years ago). The facilities were excellent although there were some firing points that were not quite as good as one might hope for the Games.

Early on in the pairs competition it became clear that there was not much interest from the media in the events. Information on the progress of the shooters was limited to Facebook posts from some of the competitors and the

That night, reflecting on the interest that the posts had received and with



Individual Results						
			Day 1	Day 2	Day 3	Total
1	David Luckman	ENG	104.11	149.21	148.10	401.42
2	James Paton	CAN	104.08	150.15	143.13	397.36
3	Parag Patel	ENG	103.13	149.17	142.05	394.35
4	David Calvert	NIR	104.12	148.19	141.07	393.38
5	Jack Alexander	NIR	103.09	149.18	140.05	392.32
6	Alexander Coetzee	RSA	104.11	150.15	137.08	391.34
7	Barry LeCheminant	JER	104.10	150.22	136.09	390.41
8	Nick Mace	GUE	104.10	147.15	139.03	390.28
9	Ian Shaw	SCO	102.13	149.17	137.11	388.41
10	Angus McLeod	SCO	102.09	150.21	136.10	388.40

the arrival of another volunteer, the Barry Buddon Broadcasting Corporation (BBBC) was formed. A Facebook page was created on the Sunday morning with an associated Twitter account, and the coverage of the individual event began. Within hours, there were hundreds of worldwide followers, building to in excess of 1,100 over the subsequent few days. Initially the posts were limited to brief updates and pictures of the plotted targets, but over the course of the next two days, these grew to video clips and interviews with the match referee and shooters. By mid-Monday, 30 hours after the creation of the page, it became apparent that there were a number of non-shooters and journalists watching the posts, and the team began to include articles to help explain the sport and, in particular, the significance of the 'chairing' off the range.

The highlight of this coverage was a live scoreboard – a Google Docs spreadsheet built by volunteers in London, miles away from the event.

This was updated as they receiving shot-by-shot information from the growing army of volunteers (paying spectators) phoning the information through.

Over the course of the four to five days, the Facebook page received 50,000 'post clicks' with a total audience reach of over 7,000 people, 1,200 of whom 'liked' the page. It was also evident in some of the reporting and coverage that the media eventually provided that they were using the BBBC as their source.

This really goes to show the power of social media and how much can be achieved by a relatively small group of volunteers who showed up the BBC's coverage of the events. It's fair to say that as the following on the page grew, the BBC appeared to take more interest in the fullbore shooting (this is also likely due to the correspondence they received following a post requesting followers to contact the BBC about the lack of coverage). The intention is to keep the page running (although with a new name) as we look to provide results



He came, he saw – and he conquered

and commentary at future international fullbore events. You can now view the BBBC page at www.facebook.com/BBBCShooting.

The BBBC team was made up of Will Hanley, Tom Drysdale, James Watson, Amie Clarke and, for the final shot by shot coverage: Ross McQuillan, Matty Ensor, Matthew Charlton, Ellie Joseph, Becky Laird, Mark Forsyth, Steve Postins and Victoria Watson. ■



Queen's is recreated in full, with victorious Luckman chaired off the range

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Introduction to Handloading

Laurie Holland brings life to the inert cartridge with his guide to inserting the primer

Having resized and decapped the cartridge case, we must remove any residual lubricant. This is important as a film left on the case-walls reduces their grip in the chamber increasing bolt-thrust. Having done that, we have another safety related task, measuring case lengths since they 'grow' over successive firing / resizing cycles. If the maximum allowed OAL is exceeded, the case must have its neck trimmed. Sticking with the .308 Winchester, this is 2.015" with a 'trim-to' figure of 2.005". (These values vary by cartridge and are available online, or in each cartridge's data section in reloading manuals.) We watch this as an over-long case may see the case-mouth forced beyond its recess in the rifle chamber into the smaller diameter leade pinching it onto the bullet and stopping a clean release. In extreme cases, pressures rise to dangerous levels, but even a minor infraction may produce a 'flyer' on the target. Measure cases after resizing as this process itself often lengthens a case. The bad news is that sampling is no good – every case must be checked as growth is rarely even.

The frequency with which trimming is needed depends on the case shape, pressures encountered, fit in the chamber, resizing method / die internal dimensions. The .308 usually sees cases stretch by

three to six thou' per cycle, so they'll likely need trimming every third loading having started at the minimum 2.005" OAL. This is done on small bench mounted lathe type tools, although Lee produces a two-part kit where the case and trimmer are hand-held – a cheap, but slow and wearisome process. The trimmed case-mouth comes with a broad lip, so a two-way handheld cutter is employed to remove the outside edge followed by reversing the tool to cut a small inside chamfer to allow bullets to be

seated without damaging their soft copper-alloy jackets.

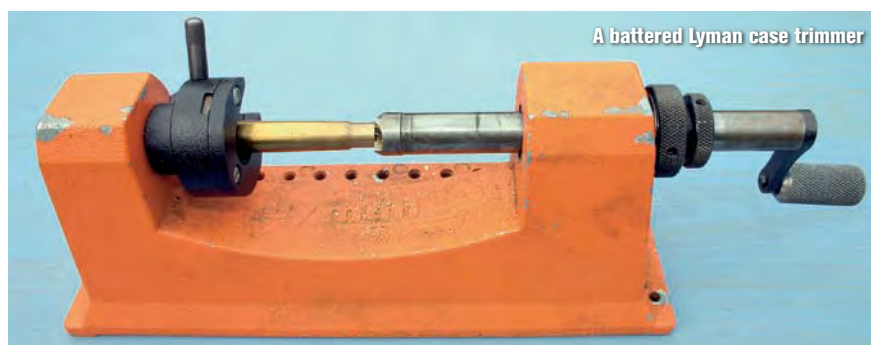
These things checked and rectified, the case is finally ready to accept fresh consumables starting with the primer. Safety is crucial: while handloading produces downstream risks for the stupid or careless, priming is one of the few directly hazardous steps, involving the insertion of a potent explosive device into a smaller diameter housing (primer pocket). The key rules are to ensure the primer is always inserted right way round. Don't laugh – I've seen factory rounds with reversed or sideways primers, and they're awkward little beggars that tip over in the priming tool and end up facing the wrong way if you're not 100 per cent vigilant!) It must be fully seated in the pocket with its internal 'anvil' under light tension, but not pushed in so hard as to distort or damage the 'cup' surface that faces outwards. A properly seated primer is slightly recessed in the case-head – if you can feel it standing proud with a thumbnail, it's too high. If excessive pressure is encountered



At 2.0085" OAL, this .308 Win case is well under the limit



Lapua .308 Win cases – ‘Palma’ small primer variety on the left and standard large primer on the right



A battered Lyman case trimmer

during seating, that’s a sign that something is wrong and it’s vital to stop and ascertain the cause. Eye protection is essential in case of accidental detonation.

Tools and makes

There are three delivery options: built-in press facility, bench-mounted or handheld dedicated tools. Presses suffer from a lack of ‘feel’ having too much weight and leverage for this delicate job. Bench models are excellent and fast in use, but cheaper hand-held priming models do such a good job that they’re my first choice. They come in two forms: palm-grip and squeeze; thumb operated lever – I prefer the latter, but it’s a personal thing. Most are magazine fed, but a few expensive specialist versions only handle one primer at a time. My favourite model is also the cheapest, the Lee Auto-Prime XR at about £25 but you also need interchangeable Lee Auto-Prime shellholder(s) to suit the cartridge(s) being loaded, another £3 each. Magazine fed priming tools are supplied with two combined primer tray/seating punch assemblies for large and small types.

This belatedly brings me onto primer types. There are two main distinctions – small and large varieties dictated by the cartridge designer and hence the pocket dimensions in the case; then within each size, rifle or pistol versions. While rifle and pistol primers have common diameters, (small at 0.175» / 4.45mm, large at 0.210» / 5.33mm), the Large Rifle (LR) model is slightly taller than its Large Pistol sibling with pockets naturally dimensioned to match. Moreover, the weight of the explosive pellets and their formulations vary between the types to suit different charge weights and propellant

characteristics, so naturally enough Large/ Small Rifle models are normally used for high-pressure rifle cartridges with a few exceptions such as the diminutive .22 Hornet. Pistol varieties use softer cups to suit handguns’ weaker hammer and firing pin springs so may not cope with full-house rifle pressures around 60,000psi.

There are further choices, or should be, but there is a severe supply drought currently, so it’s a case of what you can find. Six or seven makes should be available, some like Germany’s RWS only occasionally, and they do not perform identically, so switching makes and models willy-nilly is very poor practice as they may develop different pressures and affect the ammunition’s performance. CCI and Federal produce higher priced ‘match grade’ products, the CCI-BR2 and F210M in the .308’s LR size, and most manufacturers also offer ‘magnum’ versions with larger pellets and/or more aggressive mixes to ignite large charges of slow burning powders, 60gn and upwards. Their use in .308 cartridges isn’t recommended – overly aggressive ignition increases muzzle velocity variations and they may also increase pressures significantly. Finally, Lapua makes a specialist ‘Palma’ .308 Win case for long-range F/TR and Target / Palma Rifle that uses the Small Rifle primer. SR Magnum or BR models should be used in this application, but even so they’re only marginally effective for the 308’s 42-47gn propellant charges and may not provide reliable ignition in very low temperatures. The ‘Palma’ case was introduced as it reduces muzzle velocity spreads by around a third in temperate conditions compared to standard LR ignited brass, thereby reducing ‘elevations’ on the target. ■



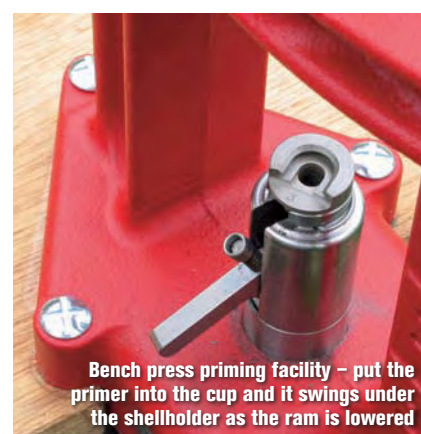
A Wilson / Sinclair trimmer suite with case-mouth deburr and chamfer tools in front



Lee XR thumb-lever model



A Hornady palm-squeeze hand priming tool



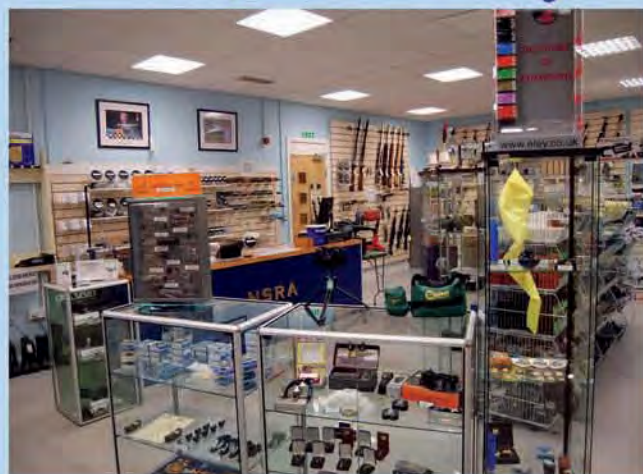
Bench press priming facility – put the primer into the cup and it swings under the shellholder as the ram is lowered

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Price: Various

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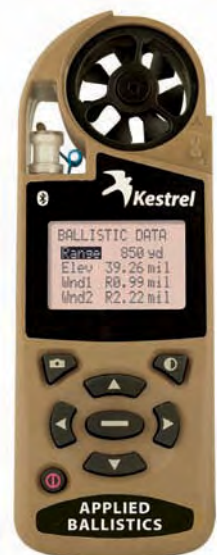
Kestrel ballistic weather meter

If you're looking to get your long-range shooting sorted this winter, this is the gadget for you. RPR has released a version of its Kestrel weather meter specifically for target shooters, with a built-in Applied Ballistics calculator. As well as measuring environmental factors such as wind speed, temperature, relative humidity, barometric pressure and altitude, this is packed with a host of ballistic data, including ballistic coefficients for more than 225 popular bullet makes and calibres. You can 'train' the software to match your kit based on observed impacts at long range – so the unit becomes even more precise over time.

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Schmidt & Bender Exos/PMII

News has just reached us of a truly advanced new scope from Schmidt & Bender: the 1-8x24 Exos, boasting a staggering 8x zoom and red dot sight. It's not just about the zoom though – it's got flawless image clarity from edge to edge and . Admittedly, it's more of a hunter's model, though – dyed-in-the-wool target shooters might be more interested in the 3-27x56 PMII scope, with nine times' worth of zooming power and parallax adjustment from 10 metres to infinity. Weighing in at 1128g, it's a true high-end scope that'll be a joy for F Class shooters.

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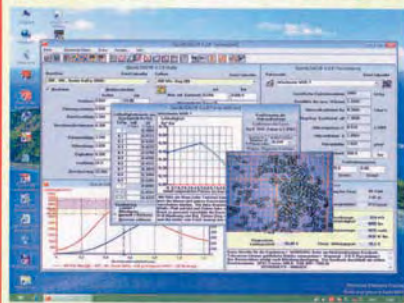
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Price: Free

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It's your Journal

Want to improve the NRA Journal, or see your discipline represented more on its pages? Now's the time to do something about it, says Barry Morgan

This is the 12th edition of the new-look NRA Journal that first came out in the winter of 2011. The conservative, in-house-run, previous version had been with us for many years, and though it was popular with some members of the shooting fraternity, it was out of touch with what most of the membership wanted, too focused on TR and costing too much to produce and post.

The plunge was taken, and a contract was agreed with Blaze Publishing to produce the new-look Journal from the material still being sent in by members and other contributors to the NRA, but with a more modern outlook and supplemented by advertising to help balance the costs of a commercial publication. We currently have a position where the net cost to the NRA of the Journal is about half what it used to be. The adverts are in general directly related to shooting and are of interest to many members.

In the early days, there was criticism of the content, style and accuracy of the new version. It was clear simply taking the material, passing it to an outside publisher and waiting to see what came back was not the way to proceed. We therefore set up an informal editorial

sub-committee, comprising primarily me, Iain Robertson, Tony de Launay, James Harris, Alastair Bullen, and Silke Lohmann. Our main job is to study the information provided by the contributors and check it for accuracy, consistency, and political correctness. Silly things such as photographs that aren't relevant to the subject matter being discussed, or incorrect names being used in classified results or photo captioning, have (I hope) been reduced since the establishment of the committee.

But we are only a few people who spend a few hours each quarter reading the inputs and agreeing where changes need to be made. As a rule, we try not to make fundamental changes to what an individual has sent us without referring back to the contributor. Sometimes we get it wrong – but we are learning and hopefully improving as we go along, and we will continue to improve all aspects of the Journal that we can.

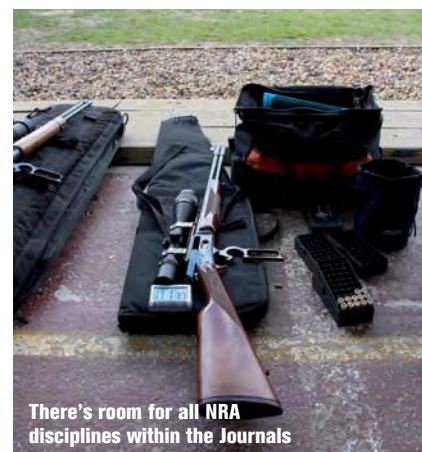
However, there are still grumblings about this new-look "rag" even though the NRA's survey on communications showed a clear majority of members preferred it. To the unsatisfied minority, I would say the important point to remember is that it's your Journal. It needs to be inclusive to all disciplines for

which the NRA is responsible, and it also needs to ensure that outspoken views from one section of the community do not antagonise others. For that reason we tend to take a conservative line when making judgement.

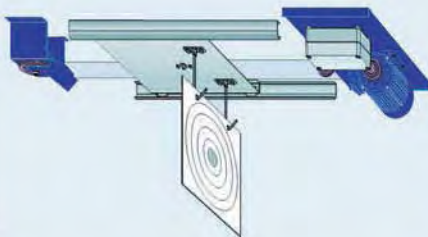
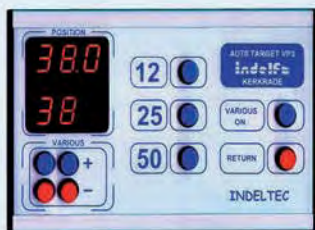
As it's your Journal, it means that if you feel it is not up to the mark, you can do something about it. Greater involvement from the membership will always improve the Journal's output. If there are no articles written about a particular meeting, that is down to the membership – if no one can be bothered to write anything, the result is either nothing or a poor attempt by someone less qualified. It is down to you to help us ensure a consistent stream of high-quality, comprehensive articles.

The best way to improve the Journal is for all disciplines to engage with it. Discipline representatives have it in their power to ensure that their discipline is properly represented in future editions – it would be appreciated if they would do so.

Finally, if there is anyone out there who thinks they can make a positive contribution, I would welcome more assistance in the editorial sub-committee. If you want to help please contact Katia at katia.malcauscooper@nra.co.uk and make your contribution to your Journal. ■



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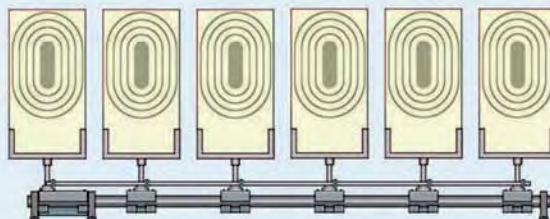
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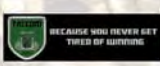


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OBITUARIES



ARTHUR CLARKE
1921 - 2014

Arthur Eric Clarke, international rifleman and gunsmith, was born on 3 December 1921 and died on 4 July 2014, aged 92.

Arthur Clarke was arguably one of the most influential riflemen to have featured on both small-bore and fullbore firing points across the world. An excellent shot in his own right, as his Commonwealth Games gold medal at Brisbane for Scotland at the age of 59 will testify, he was instrumental in bringing the art of wind-coaching to the professional levels of today.

Although his early skills lay with small-bore rifle shooting, he quickly realised on his introduction to outdoor range shooting that a good shot accompanied by a mediocre wind coach would be at a disadvantage compared to a solid shooter piloted by a top class wind-coach. He assessed the job of the wind-coach in team competition as being the key to success or failure. More than that, in teams where several targets were in use, each with its own coach, he demanded that communications between the target coaches and the main coach overseeing all the team targets should be constant and informative. While many teams took these truisms for

granted, Clarke knew that they were, more often than not, randomly followed.

With these principles and his ability to teach others how to develop wind-reading skills, from the direction and attitudes of the wind flags and from the behaviour of the mirage visible in the spotting telescopes, he built the practices that are in common use today by all the most successful teams. From his first involvement with the British World Championship teams competing for the Palma Trophy came the foundations for the many titles that have been won by British teams in recent years.

Arthur Eric Clarke was born in Greenock, Scotland in 1921, one of six brothers, where his father was stationed as a BQMS in the Royal Artillery. As a young boy in the 1920s and early 1930s he spent many years in Hong Kong. At the age of 14, and following in the family tradition, he joined the army as a boy soldier and trained as an armourer in the Royal Electrical and Mechanical Engineers. During his 26 years in the army he served in Egypt, Singapore, Malaya, Hong Kong and the UK. It was during the tour in Egypt, after the war, that his lifelong passion for target shooting started.

He first represented Great Britain in the early 1960s shooting three position smallbore rifle. In 1967 he set up a training school for police armourers in Kenya and in 1972 was the main shooting coach to the Kenya shooting team at the Munich Olympic Games.

In 1973 he returned to UK to set up his own business, building and servicing match-winning rifles in Blackwater, Surrey. The business thrived, both for the quality of his work and for his calm and instructive manner helping customers deal with their own shooting problems.

His international reputation both as a shooter and a coach developed. He toured with Great Britain target rifle teams on 12 occasions being the adjutant to the teams

in 1977 to Kenya, to Canada in 1983 and Captain of the team to Canada in 1989.

He made seven appearances in the major Commonwealth Team event, the Australia Match, mostly as a wind coach. At the World Long Range Team Championships for the Palma Trophy he made five appearances and was the main coach to the winning Great Britain teams of both 1992 and 1995.

As an individual he had myriad honours. He shot in three Commonwealth Games for Scotland, winning the fullbore individual gold medal in Brisbane in 1982. He appeared 19 times in the National Match and 13 times in the Mackinnon Match for Scotland, and made seven appearances for Great Britain in the Kolapore match, all at Bisley, captaining the winning team in 1992. He also shot in the European 300m Championships. In 1979 and 1980 he won the Grand Aggregate at Bisley and came second in 1985. He also won the Canadian Grand Aggregate and came second in the Canadian Governor General's prize.

He was an excellent match rifle shot at the longer distances of 1000-1200 yards and was the first person to record a possible 225 out of 225 in an international match.

He earned a reputation of being one of the best teachers of shooting and wind reading techniques. One item of advice that he dispensed freely was that if you were not fit at 60 you never would be. His was always a still small voice of calm for the frustrated shooter, something that typified his approach to matters on the firing point in team matches.

His kindness was legendary. He was shooting with a younger competitor in the final of a major competition at Bisley when the other shooter's rifle suffered a malfunction. "Wait and let me finish", he said, "and then use my rifle to complete your shoot". This duly happened, and after explaining a few idiosyncrasies of his rifle the result was that the remaining four shots hit the target. It was an act of

generosity not lost on a keen and relatively new competitor.

Clarke was also a devoted family man, in 1943 meeting and marrying his wife Phyllis in Northampton. He spent much of his life helping others. In the shooting world his legacy will be found for many generations of shooting in the wind reading skills and shooting knowledge that he passed on to others. Far too modest a man to do so, he could have claimed with justification that his example has helped to keep Great Britain at the forefront of international fullbore rifle shooting.

Arthur's wife pre-deceased him. He is survived by his son Mike and his daughter Jacky.

VERONICA MARY EKERS 1916 - 2014

Mrs Veronica Mary Ekers, née

Clift, died peacefully at 10.15am on 10 August 2014, aged 97, after a short illness. She had spent the last three months in a care home having decided to relinquish the responsibilities of her flat in Erdington.

Veronica was born on 24 October 1916. Her father (Major J.G.N. Clift) formed the Cheltenham Rifle Club and he would take Veronica, from the age of about 12, along to the Drill Hall in Cheltenham to compete. He also constructed a shooting range in the back garden and her early duties included retrieving targets and cleaning the guns. She showed great aptitude under his tutelage and eventually would travel around the countryside with him, attending shoots, bent double in their bull-nosed Austin on the way home clutching prizes.

I am sure you have better records than I can recall about her shooting prowess and her record of successes. If you remember, we came to Bisley for a weekend and stayed in the Pavilion Hotel so that Veronica could again see the shooting taking place. The NRA kindly brought out the trophy she won on three



ROY STANLEY POOL
1925 - 2014

Roy was born in Nelson, Lancashire, and the family moved to Bexley before the outbreak of the war in 1939. He started work in January 1941 at Barclays Bank Clearing House, Stoke-on-Trent. In June 1943 he joined the RAF and up to his demob in June 1947 had qualified as a sergeant wireless operator and air gunner on Dakotas in Egypt and India.

After demob he returned to Barclays Chief Foreign branch in Fenchurch Street, London, and the proximity of a .22 range in the basement of Barclays Head Office in Lombard Street encouraged him to take up target shooting. From that he progressed to Bisley Rifle Club

(subsequently Bullet Lodge Rifle Club). He first shot in the Imperial Meeting in 1960, then every year for the next 50 years. During that time he won five Queens Final badges, six St. George's Final badges, the Clock Tower 1963, Howard Wilkinson 1967, and P.W. Richardson 1976. In 1972 he won the North London Rifle Club Chairman's Prize.

He was a member of Great Britain teams to Canada in 1970, 1973 and 1980. On his first visit he won the Canadian Grand Aggregate and in the same year was third in the Grand Aggregate at Bisley. As an example of his determination to succeed, on one occasion he tied for first place in the United Banks' individual championship with a competitor from another bank, and the resultant tie shoot went to 26 shots each before being resolved in Roy's favour. He won that particular competition five times.

In addition to his shooting activities, Roy and his late wife Eunice were keen offshore sailors, buying their first boat in the early 1970s based on the Hamble river. Promotion in 1976 to Barclays Bank International Local Head Office in Poole enabled them to join Poole yacht club and move their boat to the club marina. They regularly took part in club events and Roy served on the committee for many years. Roy had been a widower for 25 years and is survived by his sons Robert and Guy.

occasions, and showed her the trophy with her father's name engraved on it.

She applied to join the Women's Royal Navy Service in September 1939, and was called up in August 1941. She applied to be a sniper but was allocated a quartermaster role, which suited her as she had trained at Gloucester College of Domestic Science and worked as assistant matron in private schools in Worcestershire. She was posted abroad, departing the UK on 13 September 1943, and travelled to Colombo, Trincomalee and on to Bombay, where she served until her discharge from the services in February 1946.

She was married in May 1946 in Bombay. She played crown green bowls

up to the age of 86, winning two cups during her last year. She had been a widow for 50 years since our father died at the age of 61. She worked hard to bring up three children, having to give up her golf (handicap of 11) due to work pressures. During the last 20 years of her life she was an extremely active ballroom dancer, played snooker to a high standard, and up to the point of leaving her flat was still involved in whist drives (often winning Top Lady). She has written an autobiography and we hope to publish this in the future. Her life and achievements are being celebrated with a family funeral.

Pam Perry, Pat Follett and Anthony Ekers, daughters and son

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The new Schmidt & Bender 3-27x56 PM II sniper riflescope was originally designed for a US SOCOM tender, requesting an ultra long range riflescope suited for sniper applications. With this design Schmidt & Bender exceeded all expectations and won this benchmark

setting contract. In addition to these essential operational features, this scope is > 40 cm long and weighs only 1128 g.

The 3-27x56 PM II High Power is now also available on the commercial market, offered in different configurations, turrets and colors.

For more information about the 3-27x56 PM II High Power scope and all other Schmidt & Bender products visit www.schmidt-bender.com.



Results

TR: HM THE QUEEN'S PRIZE TOP 20

Scores: Second Stage, 900, 1000, Total

1. RCT Jeens, 149.24, 74.10, 74.10, 297.44v
2. RW Sandlant, 149.16, 74.12, 74.5, 297.33v
3. SJ Carson, 149.20, 73.4, 75.6, 297.30v
4. J Corbett, 150.24, 74.12, 71.6, 295.42v
5. JAM Paton, 148.20, 74.9, 73.9, 295.38v
6. AR McLeod, 149.25, 73.10, 72.6, 294.41v
7. RC Oxford, 149.20, 75.12, 70.7, 294.39v
8. JP Bailey, 149.22, 75.9, 70.5, 294.36v
9. RM Roberts, 148.17, 73.10, 73.8, 294.35v
10. JH Messer, 148.17, 75.13, 71.5, 294.35v
11. TA Ringer, 148.17, 74.10, 72.7, 294.34v
12. DR Armstrong, 149.19, 75.10, 70.4, 294.33v
13. RSF Shouler, 147.19, 73.8, 74.3, 294.30v
14. J Cload, 148.23, 75.10, 70.7, 293.40v
15. D Rose, 149.22, 73.10, 71.7, 293.39v
16. AD Hunter, 147.16, 72.6, 74.8, 293.30v
17. MJ Purdy, 147.21, 74.6, 72.3, 293.30v
18. LM Peden, 149.19, 74.8, 70.2, 293.29v
19. TJD Raincock, 149.20, 70.6, 73.9, 292.35v
20. PD Sykes, 147.20, 75.11, 70.3, 292.34v

TR ST GEORGE'S: TOP 10

Scores: Second Stage, Final, Total

1. JP Bailey, 75.13, 75.12, 150.25v
2. OJ Rolfe, 75.11, 75.12, 150.23v
3. J Corbett, 75.12, 75.9, 150.21v
4. GE Grosskreutz, 75.9, 75.11, 150.20v
5. OS Marshall, 75.10, 75.10, 150.20v
6. JH Messer, 75.10, 75.10, 150.20v
7. JP Tapster, 75.8, 75.11, 150.19v
8. MJ Purdy, 75.11, 75.7, 150.18v
9. JD Warburton, 75.12, 74.13, 149.25v
10. SIM Anderson, 74.11, 75.13, 149.24v

TR GRAND AGG: TOP 10

1. PG Kent, 700.102v
2. J Corbett, 698.101v
3. BJ LeCheminant, 697.101v
4. P Patel, 697.94v
5. JAM Paton, 696.100v
6. JD Warburton, 696.95v
7. JC Underwood, 696.90v
8. DR Armstrong, 696.87v

9. DC Luckman, 695.94v
10. CN Tremlett, 695.87v

SERVICE RIFLE CHAMPIONSHIP

1. Al Nasser, WO2, SOAF, 430
2. Al Shamli, Cpl, SOAF, 427
3. Al Nasser, Cpl, SOAF, 426
4. Al Daraai, WO1, SOAF, 425
5. Al Raqadi, Sgt, SOAF, 424
6. Ferguson, Cpl, CAFCS (Pres), 422
7. Al Rahbi, WO2, SOAF, 422
8. Al Khatri, Lt, SOAF, 419
9. Al Aghbari, WO1, SOAF, 417
10. Al Mandari, Cpl, SOAF, 416

MATCH RIFLE - ANY RIFLE 1200x

1. JMB Baillie-Hamilton, NRC of Scotland, 97.9v
2. AM Gent, SRA, 95.9v
3. K Fitton, SRA, 95.6v

IMPERIAL F CLASS Queen's Prize

Scores: 900, 1000, Total

- F-Open Gold Medal: DN Kent, Old Epsomian RC, 70.4v, 65.0v, 135.4v
F/TR Gold Medal: AW Marsh, Somerset CRA, 65.3v, 65.1v, 130.4v

St George's

- F-Open Gold Medal: R Eckbauer, BDMP Germany, 73.4v
F/TR Gold Medal: G Wiens, Canada, 72.4v

Grand Aggregate

- F-Open: DN Kent, 823.77v
F/TR: KE Ferguson, 810.62v

Hobson/Kent Cup

1. DN Kent, Old Epsomians, 958.81v
2. SP Barrett, Welsh RA, 937.62v
3. AS Webber, Canada, 934.61v

THE CADET NATIONAL

Scores: 300, 500, 600, Total

1. Channel Islands, 273.31, 275.30, 272.22, 820.83
2. England, 275.34, 272.28, 270.25, 817.87
3. Scotland, 264.24, 274.24, 265.23, 803.71

IMPERIAL CIV SR - LONG RANGE AGGREGATE					
HISTORIC					
PLACE	NAME	CLUB	LRRC	RC	TOTAL
1st	DJ Cross	LERA	103	144	247
2nd	J Drummond	Ham & Petersham	84	162	246
3rd	J Geering	NRA	81	153	234
4th	T Cattermole	Luton	60	67	127
IRON					
1st	S Clarke	Offas Dyke	154	215	369
2nd	G Ellis	Greensleeves	144	214	358
3rd	D Moran	KLSM	133	204	337
4th	R Wightman	HRA	121	193	314
PRACTICAL					
1st	A Newberry	Lincoln & District	188	257	445
2nd	O Larrue	Vaudoy	172	253	425
3rd	M Camp	NRA	169	253	422
4th	N St Aubyn	HRA	163	254	417
SERVICE					
1st	W J Ellis	HRA	174	269	443
2nd	P Cottrell	ATSC	178	259	437
3rd	C Vale	LPSC	178	242	420
4th	S Beard	NRA	174	245	419

4. RCAC NRT, 266.20, 270.30, 266.24, 802.74
5. Northern Ireland, 264.21, 270.26, 266.19, 800.66
6. Wales Cadets, 218.14, 262.14, 252.15, 732.43

BRITISH RUNNING DEER CHAMPIONSHIP AGGREGATE

A Harvey, 86, 83, 169
R Jeffery, 85, 79, 164
D Cottee, 83, 79, 162

VIZIANAGRAM

1. Lords, 639.39
2. Commons, 604.33

HRA ROYAL BRITISH LEGION, 2 AUG

Short Range .223: B Ellis, 228
Short Range .308: B Reacher, 205
Short Range Wildcat: C Vale, 215
Long Range .223: G Haywood, 145
Long Range .308: G Eracleous, 178
Long Range Wildcat: G Bayley, 195

PRACTICAL PISTOL MATCH, 3 AUG

Open Division

1. John Chambers, 100.00%, 619.42
2. Neil Brooklyn, 95.49%, 591.49

3. Richard Vowles, 83.50%, 517.19
4. Stephen Drew, 80.58%, 499.14
5. Paul Nicol, 76.89%, 476.27
6. Stuart Green, 71.94%, 445.59
7. Steve Smoothy, 70.60%, 437.29

Standard Division

1. Nicholas Towndrow, 100.00%, 660.88
2. James Harris, 71.74%, 474.13
3. Matthew Swift, 70.93%, 468.78
4. Richard Clifton, 69.77%, 461.06
5. Adam Williams, 51.85%, 342.67
6. Frank Connelly, 41.51%, 274.30
7. Steve Denton, 35.44%, 234.22

IMPERIAL SCHOOLS AGGREGATE

PLACE	SCHOOL	ASHB'TON	M'BOROUGH	CADET	MARLING	PAIRS	VICTORIA	TOTAL
1st	The Oratory	728	291	706	159	166	389	2439
2nd	Sutton Valence	662	254	713	172	144	345	2290
3rd	Lancing College	676	228	591	69	0	355	1919
4th	Wycliffe College	607	174	495	111	123	292	1802

IMPERIAL MATCH RIFLE - MAXWELL AGGREGATE

PLACE	NAME	CLUB	HOPTON	GRAND	TOTAL
1st	RJ Lygoe	Dursley	1003.129v	684.88v	1687.217v
2nd	CN Tremlett	Windsor RC	990.116v	695.87v	1685.203v
3rd	MJ Barlow	Fife & Kinross	991.83v	686.78v	1677.161v
4th	TLW Kidner	West Atholl RC	990.120v	673.69v	1663.189v

IMPERIAL MATCH RIFLE - HOPTON AGGREGATE

PLACE	NAME	W'HEAD	HALFORD	COTT	WIMB	ARM	EDGE	ALBERT	TOTAL
1st	RJ Lygoe	149.21	148.21	100.17	97.8v	97.12	192.19	220.31	1003.129
2nd	EJ Hobbs	148.23	150.20	99.14	95.12	95.10	191.22	215.23	993.124
3rd	MJ Barlow	146.18	143.11	99.10	97.12	96.4	193.10	217.18	991.83
4th	TLW Kidner	147.21	148.21	100.16	96.4	91.6	190.18	218.34	990.120

IMPERIAL GALLERY RIFLE GRAND AGGREGATE

PLACE	NAME	ADV TARGET	AMERICA	GRANET	POLICE	SCOTT	SERVICE	S'ETTE	TOTAL
1st	M Peppitt	117	283	300	200	191	115	149	1355
2nd	A Podevin	117	268	300	192	195	116	144	1332
3rd	IA Grant	115	269	300	197	200	107	144	1332
4th	AEH Warner	115	267	299	192	182	195	138	1298

IMPERIAL MUZZLE LOADING PISTOL GRAND AGGREGATE

PLACE	NAME	ADV TARGET	GRANET	POLICE	SCOTT	SERVICE	TOTAL
1st	RB Philpott	79	82	282	85	94	622.20
2nd	R Hankey	71	84	276	84	78	593.7
3rd	AJ Duffy	64	83	270	58	103	578.10

IMPERIAL CIV SR – SHORT RANGE AGGREGATE								
HISTORIC								
POSITION	NAME	CLUB	SRRC	UC	300x	200x	100x	TOTAL
1st	J Geering	NRA	153	138	66	63	38	458
2nd	J Drummond	Ham & Petersham	125	115	75	52	24	391
3rd	DJ Cross	LERA	120	81	56	65	17	339
4th	RA Morris	Kings Lynn	109	63	37	25	22	256
IRON								
1st	G Ellis	Greensleeves	210	145	131	78	27	591
2nd	R Wightman	HRA	204	151	120	71	42	588
3rd	S Clarke	Offas Dyke	182	112	116	65	31	506
4th	D Moran	KLSM	179	94	119	44	32	468
5th	V Inman	NRA	157	142	83	56	23	461
PRACTICAL								
1st	A Newberry	Lincoln & District	225	164	145	89	37	660
2nd	M Camp	NRA	219	154	148	95	38	654
3rd	C Hudson	LPSC	215	150	147	93	42	647
4th	N St Aubyn	HRA	222	169	130	82	41	644
5th	B Salford	PSSA	202	171	147	83	39	642
SERVICE								
1st	N Greenaway	NRA	238	172	149	98	42	699
2nd	A Chapman	1066	231	188	138	86	44	687
3rd	P Cottrell	ATSC	227	175	144	92	41	679
4th	C Vale	LPSC	227	174	144	88	39	672
5th	J Morgan-Hosey	NRA	224	176	141	90	41	672

HBSA HISTORIC MINIATURE RIFLE MATCH, 9-10 AUG

.22LR Target Rifle pre-1946 prone

1. C Painting, .22 BSA No8, 201.0
2. A Adams, .22 BSA 12/15, 200.8
3. D Love, .22 Enfield 5%, 196

Historic Breechloading .22 Rimfire repeating rifles

1. M Kanareck, .22 Walther Semi Auto, 91*
2. D Stimpson, .22 Brno Mod 1, 91
3. G Lewin, not known, 90

Historic Centrefire Gallery Rifle

1. B Turneau, .25-20 Marlin 1894, 73
2. J West, .38 Rossi 1892, 66
3. A Hamilton, .257 Winchester 1984, 51

.22LR military training rifles standing

1. L Welsh, .22 BSA Military Trainer, 140
2. I Thomas, .22 Lee Enfield No 8, 139

3. T Read, .22 Mossberg M42, 137 .22LR military training rifles standing supported

1. J Selwyn-Smith, .22 Enfield No 2, 140 / 140 (outward gauge)
2. D Howard, .22 Lee Enfield SMLE, 140 / 139
3. J West, .22 SMLE No 2, 140 / 136

.22 Historical Sporting Rifles

1. N Roberts, .22 BSA Sportsman 5, 140
2. R Welsh, .22 Winchester Mod 94, 139 / 136 (outward gauge)
3. P Smith, .22 Greener Martini, 139 / 135 (outward gauge)

.22 Historical Sporting Rifles supported

- 1= C Painting, .22 BSA No 8, 140 / 140 (outward gauge)
- 1= N Roberts, .22 BSA No 5, 140 / 140 (outward gauge)
2. B Yard, .22 Browning Takedown, 140 / 138 (outward gauge)

Centrefire Classic Rook Rifles

1. P Smith, Westley Richards .310, 140
2. N Field, .32-20 BSA Martini, 138
3. A Warner, .357 Marlin Lever Action, 137

Centrefire Classic Rook Rifles supported

1. R Wills, .32-20 BSA Martini, 140 / 135 (outward gauge)
2. A Warner, .357 Marlin Lever Action, 140 / 134 (outward gauge)
3. D Heath, .380 Armstrong Martini, 137

Centrefire Full-Stocked Training Rifles

1. A Hamilton, .310 BSA Cadet, 137
2. E Hatcher, .310 BSA Cadet, 136
3. P Smith, .310 BSA Cadet, 135

Historic .22 Rifle with Telescopic Sight

1. N Roberts, Browning Takedown, 139
- 2= A Gran, .22 CZ Mod 1, 138
- 2= L Welsh, .22 Winchester 1980, 138

GENERAL NOTICES

Great Britain Match Rifle Team Australia 2016

I am delighted to have been selected as captain of the Great Britain Match Rifle Team to Australia to compete for the Woomera Match in 2016. I am pleased to announce that Nick Brasier has accepted the position of vice captain and Richard Whitby has accepted the position of adjutant. The tour will be from late February to the middle of March 2016.

The competition in Australia is likely to be hard-fought and we would welcome applications from those who are strong team players, with the focus on 'team'. Our intention is to announce the team plus reserves during October 2014.

Please address your application by 30 September 2014 to Martin Townsend.

Address: PO Box 10, Hitchin, Herts, SG4 9PE

Email: martin@martintownsend.com.

Martin Townsend

Nominations invited: GB and NRA team captains

Nominations are invited for captains of the following teams:

- Great Britain Rifle Team Kolapore 2015
- NRA Team to the Channel Islands 2016
- Great Britain Rifle Team to Canada 2016
- Great Britain Rifle Team to South Africa for the Australia Match 2017

Nominations in writing, signed by three proposers, who must be full annual or life members of the NRA, must be received by the secretary general no later than 5pm on Friday 30 January 2015. Requests for nomination forms to be sent to Georgina.Thatcher@nra.org.uk.

Trip to St Augustine

Following on from the article in the last issue of the Journal, F4i will be running a shooting trip to St Augustine, Florida, and though it is not an official NRA trip, have opened it to any NRA member.

The range crew will be a mixture of British shooters from the multi-gun, CSR and Target Shotgun fraternity, with tuition from local professional coaches. The trip is designed to be suitable for even novice shooters as the training is some of the best available in the United States – though the minimum age is 14 accompanied by a shooting adult.

There will be three days of professional tuition with handguns, AR

rifles and shotguns, followed by three one-day matches: one pistol, one CSR and one multi-gun. The multi-gun will be shot against the local club members.

The package is £995 and includes all tuition and entry fees, equipment (just bring eye/ear protection), hire of new guns and 2,250 rounds of ammunition. Flights, accommodation, car hire and meals are excluded, though we can assist with arranging these. £20 from each shooter goes back into the NRA funds to buy action/practical equipment.

Full details are on the dedicated trip website: www.shootflorida.co.uk. A deposit of £295 secures your place with full payment due by 1 November.

St Augustine is a smart beach town, the oldest in the USA, and is ideal for non-shooting partners to shop and soak up the sun while you're having fun. Follow the email link on the website for any questions.

James Harris

International Confederation of Fullbore Rifle Associations

The ICFRA will need a new secretary-general to take over the day-to-day running of the Confederation following the World Long Range Rifle Championships in the United States in August 2015.

The appointment is initially for four years, and is renewable. It is unsalaried, though a modest honorarium is payable covering telephone, fax, email and stationery and postage costs. The cost of the secretary general's passage and accommodation for the Long Range and F-Class World Championships is jointly payable by ICFRA and the host NRA.

A more complete job description and more details about how to apply is on the NRA website – closing date for applications is 9 January 2015.



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A399	223 Match BT HP69gr NEW	£65.65
A495	223 Match 75gr	£65.65
A253	22-250 Rem SP 50gr	£62.85
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A212	22-250 Rem FMJ BT 55gr	£62.85
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A047	25-06 Rem PSP 100gr	£68.85
A208	6.5 x 52 Car FMJ BT 139gr	£68.85
A084	6.5 x 55 SP BT 139gr	£62.85
A083	6.5 x 55 FMJ BT 139gr	£62.85
A227	6.5 x 55 SP RN 156gr	£62.85
A161	270 Win SP 130gr	£62.85
A027	270 Win SP 150gr	£62.85
A141	7 X 57 FMJ BT 173gr	£62.85
A400	7mm - 08 PSP 140gr	£68.40
A024	30 Carbine FMJ RN 110gr	£52.35
A119	300 WM FMJ 145gr NEW	£76.00
A034	308 FMJ BT 145gr	£63.70
A020	308 SP 150gr	£62.20
A362	308 PSP BT 165gr	£62.80
A363	308 HP BT Match 168gr	£75.00
A366	308 FMJ BT 175gr	£62.80
A035	308 SP 180gr	£62.80
A028	30-30 FSP 150gr	£62.80
A346	7.5x54 French FMJ 139gr	£68.40
A345	7.5x55 Swiss FMJ BT 174gr	£68.40
A094	30-06 FMJ 150gr	£68.40
A365	30-06 HP BT 168gr	£68.40
A323	30-06 Grom 170gr	£84.00
A066	30-06 SP 180gr	£68.40
A041	7.62 X 39 FMJ 123gr	£58.70
A169	7.62 X 54 FMJ BT 182gr	£68.40
A143	303 British FMJ BT 174gr	£77.00
A267	375 H&H Mag 300gr	£171.50
A265	375 H&H FMJ RN 300gr NEW	£171.50
A384	8x56 RS Manl FMJ BT 208gr	£76.00
A128	8x57 JS SP 196gr	£62.80
A348	8x57 JS FMJ BT Match 198gr	£82.75
A351	8x57 JS Grom 185gr	£83.80



PPU HANDGUN AMMUNITION

Priced per pack of 100

A298	32 S+W Long 98gr w/c	£28.50
A112	9mm Luger 115gr FMJ	£28.50
A044	9mm Luger 115gr TMJ	£28.50
A033	9mm Luger 124gr FMJ	£28.50
A166	9mm Luger 147gr FMJ	£28.50
A140	38 SPL RNFP 158gr	£28.50
A446	357 Sig 125gr FMJ	£42.80
A339	357 Magnum FPJ 158gr	£42.80
A353	40 S&W 180gr TMJ	£42.80
A222	44 Magnum 180gr FPJ	£53.55
A221	44 Rem Mag FPJ 240gr	£53.55
A079	45ACP FMJ 230gr NEW	£42.40

PPU BRASS CASES

Priced per pack of 100

C193	22 Hornet	£20.30
C032	222 Remington	£24.50
C132	223 Remington	£23.70
C211	22/250	£33.50
C134	243 Winchester	£35.00
C062	30-06 NEW	£43.60
C125	303 British	£39.00
C421	338 Lapua Magnum NEW	£96.50
C111	357 Magnum NEW	£15.55
C154	44 Magnum	£28.90
C118	6.5 x 52 Carcano	£50.30
C083	6.5 x 55 Swedish	£38.60
C027	270 Winchester	£35.60
C345	7.5 x 55 Swiss	£43.60
C030	7.62 x 39	£35.00
C020	308 Winchester	£37.00
C346	7.5 x 54 French	£43.60
C031	7.62 x 54R	£40.20

PPU BULLETS

Priced per pack of 100

B008	22 FMJ BT 55gr	£14.25
B484	6.5mm FMJ BT 110gr	£17.50
B083	6.5mm FMJ BT 139gr	£17.50
B127	7 FMJ BT 174gr	£18.10
B105	7mm 158gr Grom*	£27.90
B010	30 FMJ RN 110gr	£18.15
B009	30 FMJ BT 145gr	£18.15
B007	30 FMJ 139gr	£18.15
B099	30 FMJ 150gr	£18.15
B496	308 Match HPBT 168gr	£24.20
B345	30 FMJ BT 174gr	£18.20
B366	30 FMJ BT 175gr	£18.20
B074	7.62mm FMJ 123gr	£17.50
B143	303 FMJ BT 174gr	£18.20
B437	303 FMJ BT 170gr NEW	£18.20
B348	8mm Match FMJ BT 198gr	£24.20
B351	8mm 185gr Grom*	£30.50
B323	30 Grom 170gr*	£27.90
B140	38 158gr RNFP	£7.50
B339	38 FPJ 158gr	£17.30
B221	44 FPJ 180gr	£20.30
B180	45 FMJ 230gr	£20.30

*Please call for details

KEY

SP - Soft Point

PSP - Pointed Soft Point

SPBT - Soft Point Boat Tail

PSPBT - Pointed Soft Point

Boat Tail

SPRN - Soft Point Round

Nose

FSP - Flat Soft Point

HPBT - Hollow Point
Boat Tail

FPJ - Flat Point Jacket

FMJ - Full Metal Jacket

FMJRN - Full Metal

Jacket Round Nose

FMJBT - Full Metal

Jacket Boat Tail

RNFP - Round Nose

Flat Point

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Marksman's Calendar

PLAN THE REST OF THE YEAR WITH OUR GUIDE TO THE REMAINING SHOOTS IN 2014. ALL EVENTS AT BISLEY UNLESS OTHERWISE STATED

SEPTEMBER

6 NRC of S Match Rifle Open Championships (Blair Atholl)

Tim Kidner, 01224 321468, tlk762@aol.com

7 Bisley Clubs (LMRA v RAF)

LMRA, 01483 473006,
secretary@lmra.co.uk

7 NRA Shooting Club

Sarah Boxall, memadmin@nra.org.uk

8-14 F Class European Championships

Mik Maksimovic, 01507 343898,
mik@mikdolphin.demon.co.uk

13-14 City Open NSC Bisley

City RC, meetings@cityrc.org

13-14 Club Instructor Course

Nick Halford, 01483 797777 ext 138,
memassist@nra.org.uk

13 Affiliated Clubs Championships pairs

LMRA, 01483 473006,
secretary@lmra.co.uk

13 East of Scotland Open Championships (Blair Atholl)

Major (Retd) RJ Aitken, 0131 445 1948,
baitkenshooting@btinternet.com

14 Multi-Gun Match

Shooting Division,
shootingdivision@nra.org.uk

20-21 RCO Course

Shooting Division, 01483 797777,
shootingdivision@nra.org.uk

21 LMRA v ATSC

LMRA, 01483 473006,
secretary@lmra.co.uk

21 Gloucestershire Autumn Open

Simon Cox, 01242 512711,
shandmacox@talktalk.net

26 NRA Shooting Club

Sarah Boxall, memadmin@nra.org.uk

26 LMRA v CLRA

LMRA, 01483 473006,
secretary@lmra.co.uk

27-28 LMRA Open Meeting

LMRA, 01483 473006,
secretary@lmra.co.uk

27-28 English & Irish Autumn Meeting

Bill Taylor, bill@englisheight.co.uk

28 MLAGB RCO Course

01483 797777,
gallerysquadding@nra.org.uk

OCTOBER

4 Historic Service Rifle Match

Shooting Division,
shootingdivision@nra.org.uk

4 NRA Shooting Club

Sarah Boxall, memadmin@nra.org.uk

4 LMRA v Scotland Rifle Association (Blair Atholl)

LMRA, 01483 473006,
secretary@lmra.co.uk

5 Civilian Service Rifle (Winter league)

Shooting Division,
shootingdivision@nra.org.uk

11 Range Conducting Officer Course

Shooting Division,
shootingdivision@nra.org.uk

11 LMRA Open Day

LMRA, 01483 473006,
secretary@lmra.co.uk

11 European Long Range Team Championships

Peter Cottrell, 01483 798808,
peter.cottrell@nra.org.uk

11 F Class League (Blair Atholl)

Des Parr, desparr@yahoo.com

12 NRA Shooting Club

Sarah Boxall, memadmin@nra.org.uk

18-19 Trafalgar Meeting

Shooting Division,
shootingdivision@nra.org.uk

22 NRA Shooting Club

Sarah Boxall, memadmin@nra.org.uk

25-26 Gallery Rifle

– Autumn Action Weekend

Shooting Division,
shootingdivision@nra.org.uk

NOVEMBER

1 Civilian Service Rifle (Winter league)

Shooting Division,
shootingdivision@nra.org.uk

2 NRA Shooting Club

Sarah Boxall, memadmin@nra.org.uk

21 NRA Shooting Club

Sarah Boxall, memadmin@nra.org.uk

30 NRA Shooting Club

Sarah Boxall, memadmin@nra.org.uk

DECEMBER

7 NRA Shooting Club

Sarah Boxall,
memadmin@nra.org.uk

7 Civilian Service Rifle (Winter league)

Shooting Division,
shootingdivision@nra.org.uk



Trade members' listing

A2RM (RISK MANAGEMENT)

An independent risk and security consultancy offering a unified approach. Incorporating strategic intelligence, project design, management and technological innovation to deliver operational security across land, air, cyber and maritime domains. Delivered by experienced military, defence and commercial specialists.

Tel: 07827 012369

Email: martin@mmwc.org

Website: www.a2rm.co.uk

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Custom-built target, match and F Class rifles and accessories including the CG Centra rear sight, the CG Centra trigger and front sight. Manufacturers of the CG Delta and the CG inch range of rifle actions and tube chassis systems in target and repeater model. All of the above designed by the world renowned Robert Chombart.

Tel: 01234 295229

Email: sales@actionclear.co.au

Website: www.actionclear.co.uk

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Aim Field Sports offers hunting & shooting accessories for all types of shooting, country and field sports, from our own brand of tactical drag bags to Sightron riflescopes.

Designed in the USA and made in Japan, Sightron optics offer the highest edge-to-edge fine contrast in the industry and come with a lifetime warranty as standard.

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Website: www.aimfieldsports.com

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Tel: 07711 773878

Email: keith@bangsbucksbullseyes.co.uk

Website: www.bangsbucksbullseyes.co.uk

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Tel: 0208 574 7700

Email: hire@bapty.demon.co.uk

Website: www.bapty.co.uk

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Email: service@benchgradebrands.com

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Website: www.bluestonetravelagency.com

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Email: mik@mikdolphin.demon.co.uk

Website: www.dolphinguncompany.co.uk

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Heather Close, Lyme Green Business Park, Macclesfield, Cheshire, SK11 0LR

Tel: 01625 613177

Email: admin@edgarbrothers.com

Website: www.edgarbrothers.com

GMK LTD

GMK is a privately owned company, trading since 1971. It is the leading UK shooting sports distributor for many shotgun and rifle brands including Beretta, Sako and Tikka. Our product range also includes the following brands: Leupold, Redfield, Steiner, Federal & CCI Ammunition, Boker Knives and RCBS reloading equipment.

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Email: sales@gmk.co.uk

Website: www.gmk.co.uk

HPS TARGET RIFLES LTD

Britain's premier target rifle supplies company. Commercial manufacturer and supplier of a vast range of top quality Target Master ammunition, from new to once fired to reloading free issue cases, HPS offers a bespoke ammo service for target shooting and hunting. From custom rifles to range equipment and accessories, HPS should be your first stop for all your shooting needs.

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Email: info@hps-tr.com

Website: www.hps-tr.com

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Opticians specialising in vision aspects for all shooting disciplines. We supply Zeiss-Sports for clay, game, F class. We also supply CHAMPION shooting glasses for target rifle and pistol. Rear sight lenses supplied. Advice given on prescription, tints, eye dominance problems and eye safety.

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Email: info@stewardsportsglasses.co.uk

Website: www.stewardsportsglasses.co.uk

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We can duplicate any existing stock shape, including broken stocks. A stock from us will greatly improve the fit aesthetics, accuracy and reliability of your rifle.

Tel: 07770 710331

Email: joe@joewestriflestocks.co.uk

Website: www.joewestriflestocks.com

LONDON GUN SERVICES

London Gun Services is a premium shooting service run by shooters for shooters. We offer gun storage in our dedicated facility, professional gun safe fitting, quality shotgun cartridges, airport collection of firearms, gun valuations, visitors' permits and a team of gunsmiths to service and repair anything your gun may need.

Tel: 0207 622 1200

Email: gary@londongunservices.co.uk

Website: www.londongunservices.co.uk

MARINE TACTICAL SUPPLIES LTD

Marine Tactical Supplies is a Dorset-based registered firearms dealer primarily supplying maritime security companies and providing basic firearms competency training, as required by many shipping companies on an annual basis.

Tel: 01202 570413

Email: marinetactical@me.com

Website: www.marinetacticalsupplies.com

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McQueen Targets produces almost 20 million targets a year, distributing to over 30 countries. We have supplied targets to the British armed services, police constabularies and national shooting organisations for over 100 years. We also supply a range of items to cover all your shooting needs including spotting discs, patches and danger flags for ranges.

Tel: 01896 664269

Email: targets.ukgal@sykes.com

Website: www.mcqueentargets.com

MIDWAY UK

The UK's biggest store for reloading and shooting supplies. Midway UK supplies more than 80,000 products from 750 different manufacturers to form the UK's largest online source for all your shooting needs. Our objective is to ensure that all shooters have access to the best possible selection of products at competitive prices.

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Email: sales@midwayuk.com

Website: www.midwayuk.com

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High quality gun & rifle manufacturers and repairers with over 36 years' experience. Visit our large retail outlet. Specialists in reloading components and accessories for rifle, pistol & shotgun. Importers for Berger bullets, Sierra, Redding, K&M, Proshot, Shooting chrony & Dewey. Also major stockists of Hornady, Caldwell, Tipton and many other products.

Tel: 01788 579651

Email: info@normanclarkgunsmith.com

PGS GROUP

PGS is the trading name for a group of UK-registered maritime security companies providing specialised security services to industry, governments and private clients.

Tel: 01823 256601

Email: pete.omalley@pgsgroup.co.uk

Website: www.pgsgroup.co.uk

PROTSC

Manufacturers of practical and tactical bags for all shooting disciplines.

Tel: 07787 420768

Email: steve@practicaltacticalbags.co.uk

Website: www.practicaltacticalbags.co.uk

RUAG AMMOTEC UK LTD

With parent company RUAG having manufacturing plants in Switzerland, Germany, Sweden and Hungary, RUAG Ammotec UK imports and distributes RWS, GECO and Norma ammo. Other brands include Nightforce scopes, Titan and Diana rifles, Perazzi and Bettinsoli shotguns.

Upton Cross, Liskeard, Cornwall PL14 5BQ

Tel: 01579 362319

Email: enquiries@ruag.co.uk

Website: www.ruag.co.uk

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Tel: 07793 012317

Email: safeshot@btinternet.com

Website: www.safeshot.org.uk

SALAMA FIKIRA

An authoritative risk management consultancy based in Nairobi. Established in 2005 to address the security challenges posed by large-scale Somali piracy, the group has since expanded to provide diverse security services, project planning, robust logistics and in-depth information support.

Tel: +254 20 269 3846

Email: jake.phillips@salamafikira.com

Website: www.salamafikira.com

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International standard target rifles and match rifles. Rebarrelling and bedding. Ready-proofed barrels kept in stock including Border and Krieger. Actively researching – and shooting – all calibres from 5.56mm upwards. Manufacturers of the famous AGR COBRA precision rearsight.

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Email: shed@shootingshed.co.uk

Website: www.shootingshed.co.uk

SPORTING SERVICES

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Email: sales@sportingservices.co.uk

Website: www.sportingservices.co.uk

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Email: info@thetunnel.co.uk

Website: www.thetunnel.co.uk

MARITIME ASSET SECURITY AND TRAINING (MAST) LTD

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Tel: +356 2132 4917

Email: paul.brown@mast-security.com

Website: www.mast-commercial.com

TRIMSTONE MANOR COUNTRY HOUSE HOTEL

3* Country House Hotel in glorious North Devon countryside. Two excellent clay shooting grounds nearby. Gun safes in several rooms. Safe parking. Free WiFi, pool, gym, sauna, games room, gardens and grounds.

Tel: 01271 862841

Email: info@trimstone.co.uk

Website: www.trimstone.co.uk

UK CUSTOM SHOP LTD

Retail and online shop for all shooting accessories. Manufacturer of Wildcat range of sound moderators.

Tel: 01905 797060

Email: james@wildcatrifles.co.uk

Website: www.wildcatrifles.co.uk

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West Park is located 30 minutes from Carnoustie, 60 minutes from Edinburgh and 90 minutes from Glasgow. We have free on site car parking for over 100 cars.

Tel: 01382 647171

Email: siobhan.slater@westpark.co.uk

Website: www.westpark.co.uk

WILLIAM EVANS

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Tel: 01483 486500

Email: richard@willamevans.com

Website: www.willamevans.com

XAMPLE TECHNOLOGIES LTD

Air-Ammo.co.uk (trading name of Xample Technologies Ltd) is the European distributor of Clear Ballistics gel and the UK's widest range of air gun ammunition. Licensed to sell FBI grade ballistics material.

Tel: 01303 297033

Email: jake.pearson@air-ammo.co.uk

Website: www.air-ammo.co.uk



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Why don't they cost more? The answer is simple, economies of scale, Leupold make more scopes than all of Europe's manufacturers combined. Making quality optics is a case of designing an excellent product and removing any variation in production output. So confident are they in their manufacturing quality that they are the only company to offer a lifetime guarantee.

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► The VX-2 benefits from all of the features of the VX-1 but its superior lenses and coatings ensure upto 94% light transmission. FROM £400



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◀ The VX-3L™ riflescopes combine low-light performance and the revolutionary Light Optimisation Profile™, so you can mount your 56mm riflescope as low as a 40mm, or your 50mm as low as a 36mm. FROM £910

VX-1



► The VX-1 offers a fast focus eyepiece and finger adjustable windage/elevation dials. Also benefitting from Leupolds advanced Quantum Optical Multicoat lens system providing up to 92% light transmission, crisp clarity and sharp contrast. No other scope in its class comes even close to the quality, performance and value. FROM £285

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GMK

GMK Limited, Bear House, Concorde Way, Fareham
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