

SAMFORD VALLEY TARGET ARCHERS

Newsletter of the Samford Valley Target Archers

(ABN 63 639 289 573) www.samfordarchery.org

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Newsletter No. 24

A new edition!

First, here is the eagerly awaited answer to the *Fabulously* (interestingly, the spelling check also suggested “fatuously”) *Rich Competition* I raised in the last edition.

For those of you who don't remember:-



Some of our archers,

Based upon the picture shown,

Have a yen for Zen.

(\$1 prize for the first Club member who correctly names what I tried to do there!)

Well, it was an Anglicized attempt at a Japanese “haiku”. A haiku “Typically –

but by no means always -has 17 syllables, with lines of 5, 7 and 5 syllables, (the traditional form),

. Some poets want their haiku to be expressed in one breath,

. are about, or mention, an aspect of nature”

Paul O'Brien was the lucky winner of the \$1.00.

Emilia Paton, recently competed in the Youth Nationals in Penrith, NSW.



She did **very** well. What follows is a summary of her achievements.

Intermediate, Female, Recurve

Target - 7th - with score of 1192 (out of a field of 15)

Field - 1st - with a score of 305 (out of a field of 13)

Clout - 6th - with a score of 293 (out of a field of 10)

Matchplay - Gold - 112 - over Elana Kardol - 109 (Silver)

"Best All-round Recurve, Female" - 7th with 1790 points (Top score to Jessica Sutton - 1900) - out of 9 listed archers.

SQAS teams were third in both Compound and Recurve categories.

Congratulations, Emilia – hopefully many more wins to come!

IBO/AMO/ATO Speed ratings - wot the ?

I recently got a new bow! It took 127 days from order to arrival, but eventually, I got it. Looking at the detailed specifications of it, I see it is rated to have an "ATA speed of 308 (feet per second)". That doesn't sound as fast as some, but it's not slow either. But is that really what I'm shooting - an arrow at 308 feet per second?

It's amazing what you can find on the Internet, and some of it makes sense (some doesn't), but here is what I think I've gleaned.

"IBO" means the International Bowhunters Association,

"AMO" means the Archery Manufacturers and Merchants Organisation", but this has been largely superseded by,

"ATA", which means the Archery Trade Association.

IBO and ATA tests of arrow speed differ a little - IBO testing uses a 70# bow, a 30" draw length, and a 350 grain arrow.

ATA testing uses a 60# bow, a 30" draw length and a 540 grain arrow.

So, what happens when you shoot your bow with your arrows ?

Now, I've swiped this from the 'net, so I hope there's no comeback later!

"Elements That Impact Arrow Speed

Let's take a look at some estimates.

Draw Length Impact on Speed

For every 1" of reduction in draw length, you can expect to lose around 10 FPS of arrow speed. IBO speed tests are conducted using 30" draw length, however most people have a draw length of around 28". This is already a 20 FPS reduction compared to the IBO speed rating.

Draw Weight Impact on Speed

For every 10 lbs. of reduction in draw weight, expect to lose around 15-20 FPS. For many beginners using a 70 lbs. draw weight compound (like the ones used during IBO tests) is not possible. A beginner will likely go for a 60 lbs. version. *(That might be so with a hunting situation - but don't turn up to a target club as a beginner with a 60 - 70# bow - EF)* That's another 15-20 FPS reduction.

Arrow Weight Impact on Speed

For every extra 5 grain of arrow weight, expect the speed of your bow to be reduced by around 1.5 FPS. IBO speed tests are conducted using 350 grain arrows, however most people will be hunting using arrows weighing a minimum of 425 grain. That's 75 grain over the IBO arrow weight, which reduces FPS by an estimated 22 FPS.

Extra Accessories on String

When hunting in the real world, you will be likely using some accessories. a D-loop and peep hole are standard, which together weigh around 15 grain. This can rob you of another 5-6 FPS.

Release Method Impact on Speed

IBO tests are conducted using an automated shooting machine that releases the string with absolute perfection. A human isn't capable of such release accuracy as a machine. For this reason, you'll need to subtract another 2-3 FPS compared to the IBO rating.

Demonstrating the Numbers Above Using a Real Life Example

Ok, so suppose you bought yourself a bow with an IBO speed of 320 FPS. You are a beginner, so you get yourself a 60 lbs. draw weight version of the bow. You also have the average draw length of 28", and decide to use 425 grain arrows for an optimal speed-to-kinetic energy ratio. You also install some accessories onto your bow string. Here's what happens:

- You will lose around 17 FPS due to using a 60 lbs. rather than a 70 lbs. bow
- You will lose around 20 FPS due to using a 28" draw length rather than 30"
- You will lose around 22 FPS due to using a 425 grain arrow rather than the 350 used in IBO testing
- You will lose around 5 FPS due to extra accessories on the string
- You will lose around 3 FPS due to imperfections in human release mechanics

$17 + 20 + 22 + 5 + 3 = 67$ FPS that have been lost. This means that the **actual FPS of your bow will be $320 - 67 = 253$ FPS**. Of course, things don't need to be that bad. If you are using a 70 lbs. draw weight, your compound bow would have a 270 FPS. And if your draw length is indeed 30" (as it is during IBO testing), this number would be closer to 290 FPS. And so on.

What's The Bottom Line?

The bottom line is that you should never expect to achieve the same FPS speed as advertised by the manufacturer. The actual difference can vary significantly depending on the bow setup, but you are guaranteed that there will be at least some difference (even if only due to the human release factor)."

For instance, with my setup, the stated IBO speed is 335 ft/sec, but with the figures I've put into "Software for Archers" it says my arrow speed is 269 ft/sec. Considerably slower!

Interesting if you're a bit of a nerd, but so long as the arrows hit the target in the right place, it probably doesn't matter all that much.

"Archers Diary is beginning to work better" (I'm told). As much as anything I think it's more that we are getting more used to using it. (I'm still waiting for the app for Apple stuff).

There may still be a couple of points at which archers might get confused:-

The Saturday shoots are now broken into a morning shoot, an afternoon shoot, and (usually) an indoor shoot. *When you register on the computer be sure that you are registering into the particular section that you mean to shoot!*

These sections are called "FLIGHTS".

The other point over which there has been some confusion was mentioned in the last Newsletter, but let's mention it again

"Archers Diary can list all of the recognised Archery Australia rounds when you get into it, unless the day's shooting

has already been set up. The Club Shooting Calendar lists the rounds that are set down for the particular day, and they are the rounds for which you can score record scores and qualify for medals, etc.

Formal recognition will NOT be given to any rounds which do not appear on the shooting calendar for the particular day - certainly you could shoot any round that you wish, but if it's not on the calendar it will only be a practice round, and the Club Recorder will NOT record it."

Here are a couple of questions for you -

Have you recently changed any addresses?... Home, post-box, e-mail, Internet?

Have you told EVERYONE who might be interested in contacting you (and you wish to or should know about) about the changes?

Do you seem to be not getting mail, e-mails, etc?

Do you have a Blue Card - either in association with this Club, or in other situations?

Have you let your Blue Card contacts - know of the changes?

If you haven't, you'd better get to it, eh?



Drainage problem? Wot drainage problem?

Seen at the lunch table recently,



They don't seem to have been wearing the arm bands recently(not true, I saw them last weekend), but that's Steve Bennett

and this is Don Vanderzee.

They're some extra First Aiders - more recognizable photos on the notice board.



A repeat of the note about the colour coding (of most) of the Club bows.

"The Club bows are colour-coded (usually) on their limbs to indicate the weight of the individual bow. The racks in the bow cupboard have the colours on them to indicate where the bows should be returned. **PLEASE MAKE SURE THAT BOWS ARE RETURNED TO THE CORRECT RACKS** as this will make it easier for members to find the right bow."

This does not seem to be getting through to Club members as well as the Management Committee would like. Admittedly it is usually the newer members who are likely to be using Club bows, and it takes a while to get used to the discipline of the idea, but **PLEASE** try to replace bows in their correct rack.

Having to sort out mixed-up bows, particularly at the time of the Beginner Classes, takes up quite a lot of time which could be better spent.

We had the Adventure Ladies “come and try” day for this year at the Club, recently.



The satisfaction of getting an arrow into the Gold, or even pretty near it, was obvious.



The April, Monthly Club Handicap Tournament was held on the afternoon of Anzac Day. It was a beautiful day, warm without being too hot and pretty easy to shoot arrows

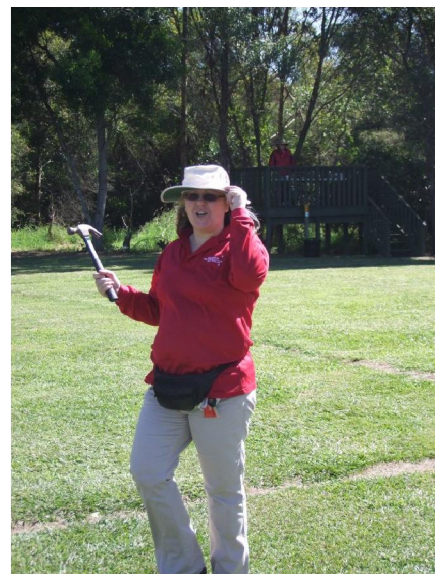
Trent Carberry won the Handicap division of the event, and **Emilia Paton** won the first place for the percentage of GMB (114%).

Then, on Sunday 26th (the following day) we have just had the **South Queensland Archery Society’s Short Range Championships** for 2015.



It was an amazingly blustery, gusty day of archery. Winds, which were guesstimated to be in the 30 - 40 kph range, started with the DOS’ call for practice ends and continued pretty much unchanged for the whole of the shoot - except for the period when there was a prolonged gusting which “us experts” guesstimated at probably 70 kph. Spotting scopes were falling like flies, but at least all of the targets were pegged down, and they didn’t fall.

Sandy Powell did a great job!



I found it a little disconcerting, standing and watching the seconds tick away, and wondering just when the wind would settle enough to hold a bow steady.

The wind pretty much died away as people left to go home - are we missing the omens?

Still, it was a great excuse if the scores weren't the best.

Seventy one archers had registered for the shoot, but, on a count of the results, it seems that there were only sixty three submitted scores. A little disappointing, perhaps.

Of the Club members, first places to **Emilia Paton, Mathew Powell, Madeleine Ferris, Jocelyn McKinley, Nick Horley** (in fact in Nick's **Open Male Compound Division** the first four places were Samford members - Nick, **Alex Low, Trent Carberry and Peter Clark**), **Samuel Jackson, David Barwick, Michael Schilling, Dennis Mycock, David Arrowsmith, Evan Fisher and Patrick Barden**.

Just looking at the results sheet, and I'm not sure if the various archers have already achieved these;

Patrick Barden scored All Gold at 30 metres, **David Barwick**, All Gold at 30 and 20 metres, **Trent Carberry**, All Gold at 60, 50 and 40 metres, **Peter Clark**, Perfect at 40 metres and an All Gold at 40 metres, **Madeleine Ferris**, All Golds at 60, 50 and 40 metres (I'm pretty sure she would have done those before!), **Alison Hagaman** also All Gold at 60, 50 and 40 metres (same comment), **Nick Horley**, Perfect at 40 metres and All Gold at 60, 50 and 40 metres (same comment), **Alex Low**, All Gold at 60, 50 and 40

metres, **Dennis Mycock**, All Gold at 40 and 30 metres, **Emilia Paton**, All Gold at 40, 30 and 20 metres, **Vaughn Pinxit**, All Gold at 50 and 40 metres, **Michael Schilling**, All Gold at 40 metres and **Luke Schmidt**, All Gold at 30 metres.

If my eyes have failed me, and I've left anyone out of the list, I apologise in advance.

As Alison has said, this is the "Championships Season",



so watch the e-mails, the notice boards, and any other methods of spreading the news for **the Field, the Target, the Indoor, and the Clout Championships**.

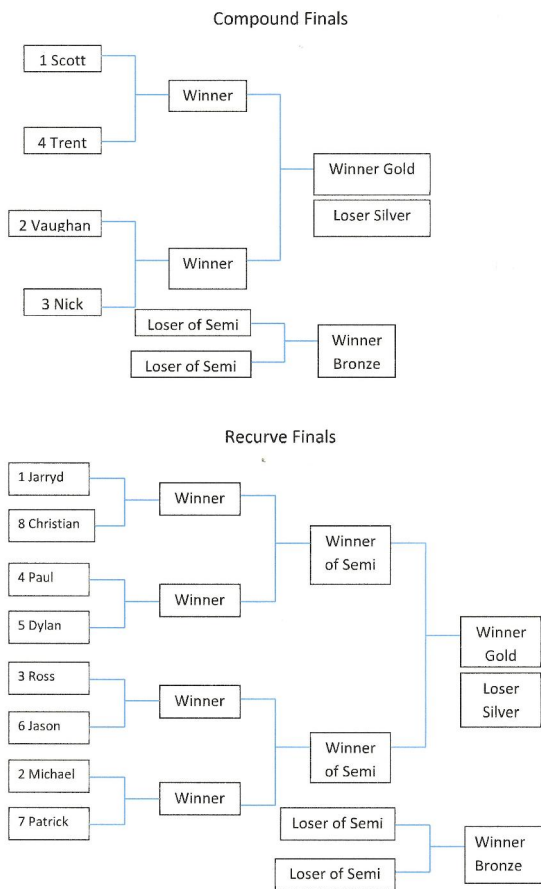
Particularly, note that the entries for the Field Championships close on the 6th May. Don't be late!

I'm *sure* our members wouldn't forget deadlines, miss deadlines, and then not be able to shoot in their preferred Tournaments.

Incidentally, the **Indoor Matchplay League Final** is on on the second

Wednesday night in May - the 13th.
Spectators are welcome.

The draw looks like this -



Now, a couple of requests from the Management Committee!

Enrollments for Beginners Courses appear to have slowed down. 14 of 18 places have been taken for the May course, and there are NO takers for the June Course yet.

So the Committee, in a seemingly unique reversal, is asking members to promote the Club and its Beginners Programme.

Tell your friends and acquaintances how much fun archery is (even if you have to lie a little when it's windy) and convince them they should undertake a beginners course at the first opportunity - which would be June, at present.

Second, If any of our members have contacts with people/companies who might be willing to offer money for sponsorship positions for our Australian Open Championships in 2016, would you promote the idea, and ask them to contact either Brian Hagaman or myself, Evan Fisher.

We are still a little up in the air as to whether, and how much, Easton, Hoyt, etc, might come to the party, so other sponsors could not be archery related at this point, but, for instance, there was a mention of someone who retails shooting glasses, who might be interested.

Generally speaking, money amounts would not be especially large - For \$200 - \$999 we'd name Minor Sponsors, for \$1000 - \$2000, Sponsor, and for \$2000 - \$5000 instance, we'd be looking at Major Sponsors. \$3600 would pay the cost of the target faces for the Tournament.

Contacts and suggestions please, if you have a good idea.

Archery Etiquette would not be a term you'll see mentioned very often. In most cases, it seems that archers are expected to just gradually absorb the idea by osmosis; however Archery Etiquette is important for enjoyable shooting.

Most of us have shot an arrow which missed the target - some of us much more frequently than we'd like.

It's OK to have a fairly quick look behind the target line (and here the Recurve shooters frequently have it over the compounders whose arrows tend to bury) but don't spend a lot of time in the middle of a shoot (even if only a practice shoot). Be considerate of the other archer's time - if it's not easy to find, use a spare arrow (you have them don't you?) and look later.

If you're in a tournament the judges will hurry you up, and you'll need to let the judges know that there is an arrow out there, anyway.

Don't have your phones on "ring" on the shooting line. This is now much more likely to happen when we're using phones for digital scoring. My excuse for the Anzac Day shoot is "It was Brian's phone, he'd loaned it to me for the shoot, and he was waiting for a call from the vet, and I didn't think to ask for it to be silent".

Again, at the moment, digital scoring seems to be slowing scoring at the target down a bit, but as we get more used to it there should be fewer mis-keys and "how do you get out of that?"s). Let's be honest, it is *still* a learning curve. But, that aside, and allowing for close line calls requiring adjudication, get the scoring done as quickly as possible - adding the score at the target face is great, particularly if everyone is shooting "perfects", but it can be done later.

Let's not have long conversations at the target face, you can complain about your shooting on the way back to the line - be

considerate of the people waiting on the line for you to come back to the line.

Obviously, there is not to be any running on the archery grounds - unless we have an invasion of wild lions, or elephants, or such - in which case you just have to be not the last person - but move to and from the target as speedily as reasonably possible.

BE ON TIME for the commencement of the shoot. There could be grounds for cancellation of a planned shoot - or the disallowance of an archer - if things are running too far behind the planned schedule.

That's probably enough of that, if there's any more it might turn up in a following Newsletter.

And, to finish this Newsletter -

We all appreciate to work Tim Millis has done for the Club in the past, is continuing to do, and will hopefully continue to do in the future - as a Club Coach he is doing a great job, and he obviously revels in his Youth Co-ordinator role, because, as you can see -

He

is;



“King of the kids!”

(with thanks to Cholmondley De Mel)