

The Sped Arrow

"Four things come not back - the spoken word, the sped arrow, times past, the neglected opportunity."
Omar Ibn Al Halif



Centenary Archers Club Inc. Newsletter

Editor - Tom Woodley



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Editorial

Here's something that puzzles me. We are one of the few clubs that does NOT have any women shooting compound (except, I believe, for Catherine Parsons – good on you Cat!)

A lot of women participated in the various women's compound events at the Nats just past and it might not hurt if some of our female archers gave this matter some thought. A lot of help is available to those who wish to try it.

I will be including a new feature with the display of scores in future and that is tagging whether a score (either total or distance subtotal) is a personal best (PB).

Those who wish to have such achievements acknowledged will have to advise me if a PB is shot because I won't know and I certainly don't intend keeping a register of members PBs.

Club Notices

The following information should be read by all members:

Cost of Badges

1. Due to the increased cost and the number of members receiving badges the committee has decided that the set of levels badges eg 3rd, 2nd, 1st Master Bowman & Grandmaster Bowman, will be at no charge to the archer but all Gold & perfect and levels badges there after will be at a cost of \$6 each.
2. As an example if you already have all your levels badges in Compound and are thinking of getting them in Recurve Longbow etc they will cost you \$6 each along with any all gold and perfects you may choose to claim.

Personal Profiles for Members - Graeme Jeffrey

By Sandy Dunstan

Graeme's 40 Year Association with Archery

Graeme Jeffrey's archery journey began in Ulverstone, Tasmania in 1970. At high school he found himself between a rock and a hard place one sport's afternoon with a mandatory choice of Rugby or Archery. He chose Archery and the rest, as they say, is history.

He went on to shoot with distinction in State and National Championships, both in Tasmania and Queensland. You can find the extent of his involvement in archery on the Centenary Archers web site (www.centenaryarchers.gil.com.au) under "Author".



Photo by Ross Larsen

In 1992, ten years after he moved to Queensland, he became regional coach and was entrusted with the training of the SQAS Junior National squad. Two years later he was voted AA's Coach of the Year.

Graeme was a member of Mt Petrie Bowman and Ipswich Archery Club before he joined Centenary Archers in 1990. He is currently our Treasurer as well as club coach. 2007 saw him appointed High Performance Regional Co-ordinator for SQAS.

Graeme and I were able to catch up for a chat last Saturday before shooting started:

Do you have other interests outside archery?

"I enjoy reading. Science fiction is a favourite subject. *The Wheel of Time* by Robert Jordan is my choice of best book. At the moment I'm into astronomy, too. The Lunar Landing was one of my most memorable historical events. I can remember staying up all night to watch it."

You're a well known foodie. What's your favourite dish?

"Chocolate pudding with ice cream."

How do you afford chocolate pud. and i.c. – not to mention archery equipment?

"I work as a structural design drafter."

And you brought those skills into constructing the Centenary web site?

"Yes. It took quite a while. Lots of research, lots of study. The first version was only eight or nine pages and that took months. It's grown from there."

Getting back to Archery, what would you say is your most memorable time?

"The first Nationals I ever shot in. It was in Melbourne, 1984, and a huge event."

And a time not so memorable?

"Trying to shoot the Sydney Nationals on a muddy field with the targets slowly sinking in the mud. One target actually leaned over so much they had to quickly send the archers down to prop it up before it completely toppled."

Your vision for Centenary's future?

"Improvement of facilities and encouragement of family participation."

Graeme was part of the committee that organized the recent, very successful, AA Nationals in Brisbane this year. The Nationals will be here again next year so, make sure you 'have a go' no matter what your skill development is.

Birthday: 29th July



Leo (Jul 23- Aug 22)

A typical Leo can be very attractive, imposing and magnetic in looks and demeanour. With all those tough looks, Leos can be very kind and humane as well. In general, all Leos are courageous, creative, exciting, dominant, disciplined and ambitious in their approach.

Australian National Championships

Further information regarding these championships:

1. Sandy Dunstan was not selected for the SQAS team – my mistake and sorry Sandy.

2. Australian records set should also include:

VETERAN WOMEN'S RECURVE BAREBOW – Clout 125 m

Sandy DUNSTAN SQ Clout 125m Double **436**

Sandy DUNSTAN SQ Clout 125m Single **267**

WOMEN'S RECURVE BAREBOW – Clout 125 m

Derrelie RIDGEON SQ Clout 125m Double **540**

Derrelie RIDGEON SQ Clout 125m Single **285**

3. A number of personal best (PB) scores were also shot by our club participants and I have been asked to include these as part of the achievements of those attending the Nats:

a. Abdul SAFAEI	CB	FITA90	1341		
	CB	Field	378		
b. Andre BUHOT	RB	FITA90	1187	90M	283
				70M	289
				50M	296
				30M	319
c. Derrelie RIDGEON	RB	FITA70	1098	50M	282
				30M	321
		CLOUT	254	single	
			504	double	
d. Philip BUHOT	LBVM	FITA60	456		
e. Brad PATTERSON	RB	FITA90	975		
f. Lazuardi TAUHID	CB	FITA90	1155		
g. Sandy DUNSTAN	RBVW	Clout 125	267	half clout	
	LBVW	50M	247		
h. Tom WOODLEY	CBVM	FITA60	1321	50M	337
				40M	324

Key to symbols:

CB = Compound Bow

RB = Recurve Bow

LBVM= Longbow (barebow) Veteran Men

LBVW= Longbow (barebow) Veteran Women

Centenary Archers QRE – 6 June 2010

The Club hosted a SQAS Qualifying and Ranking Event (QRE) at our grounds on Sunday 6 June. There was a good roll up of visiting shooters including one of the top Recurve shooters in Australia and some pretty good compounders as well.

Our Club had 11 shooters present who competed in the following events:

Men's Compound Bow - Open

Abdul Safaei - Opens Mens Compound - FITA 90 – 1338

Arudi Tauhid - Opens Mens Compound - FITA 90 – 1162

Tom Woodley - Open Mens Compound - FITA 90 - 1207

Men's Recurve Bow - Open

Brad Patterson - Open Mens Recurve - FITA 90 - 997

Andre Buhot - Open Mens Recurve - FITA 90 - 1089

Ladies Recurve - Open

Derrelie Ridgeon - Opens Ladies Recurve - FITA 70 - 1073

Veteran Men's Longbow

Phil Buhot - Veteran Mens Longbow - FITA 60 - 386

Veteran Ladies Longbow

Sandy Dunstan - Veteran Ladies Longbow - FITA 60 – 865

Total Score 865 = PB & Aust Record;

30m Score 262 = PB & Aust Record

Master Men's Longbow

Strafford Stark - Master Mens Longbow - FITA 60 - 532

Men's Recurve - Open

Michael Barry - Open Mens Recurve - Horsham – 765

Junior Boy's Recurve

Jon McCullough - Junior Boys Recurve - Horsham – 1070

There are no winners or losers in this type of event. The idea is to shoot a score in a particular event and then each shooter is ranked and the ranking is passed on to Archery Australia (AA) for publication. This allows any archer to compare his/her performance with any other archer who seeks to be ranked, in Australia.

Just a point about those shooters choosing to compete in the longbow and Barebow Recurve events. These are recognised AA events and as such attract the same recognition as the other target divisions. They are perhaps a more purist competition in that they are nearest to what was actually shot by archers some 100 + years ago. They should be considered by all archers as such and not be subject to ridicule, no matter how lighthearted.

Whenever our club runs a QRE we normally run a Club competition at the same time, and it would be great if more club members could come out on these days and get

a feel for the atmosphere and to enjoy themselves. This could lead on to more of our club participating in QREs.

Shooting Tips

I had an "interesting" time at the QRE on Sunday 6 June and I thought I'd share it with you because there are some lessons to be learned.

On the Sat just before the QRE, I was at the club, checking my sight settings for 90, 70, 50 and 30 metres. I had them perfectly centred for all ranges and was shooting good groups at 70 and 90m, so I was feeling pretty good about the following day. I had also fitted a new sight, an Angel Compound sight, made in Japan. It's a lightweight sight and has the vertical slide back on the bow riser and a simple carbon projecting rod which in turn holds the scope.

If you haven't been to a QRE at the Club grounds then you wouldn't know that for these types of events, the targets are turned around and we shoot from the eastern end of the field (where the old tin shed is) into the west. In summer time this is no big deal because the sun is nearly overhead but in winter, particularly with the winter solstice approaching, the sun is low down in the northern sky, which means the light is coming from the shooters right hand side (if you are a right hand shooter).

Now I know this, but it's been over 5 years since I shot a FITA 90 and my 1st practice end left me gobsmacked! My group fell on the left hand side of the target in a neatish group out in the black at about 4 o'clock!! I was a bit stunned at this because of where the sights were shooting on Sat, so I thought there must be some cross wind even though it wasn't apparent (there was a brisk head wind blowing, however), so I wound in 12 clicks of windage, in the direction of the fall of shot and tried again on the next end.

Normally 12 clicks at 90m will move the fall of shot considerably, but on the second end, they fell again to the left and low but this time in the blue. So I racked in another 12 clicks of windage and repeated the process and the results were that the arrow group was barely moving. To cut a long story short, I had to keep clicking in more windage to get the arrows anywhere near the gold and even then they were still favouring the left side.

I know my centre shot is perfect and the sight settings from Sat should have been perfect, so it was either me doing something I couldn't detect, or the light was having a major effect on where the groups were landing or there was quite a bit of cross wind.

I couldn't figure it out and things didn't get any better during the actual round. I found myself aiming off well into the red to try to get my arrows centred in spite of the windage I had already wound in. I just kept plugging away with this, which was fairly unsatisfactory as the wind was gusty and still in our faces. It wasn't until the final end at 90m, that I finally got the sight setting correct with 48 – yes 48 clicks of windage!! I wouldn't have believed it if you had told me this would happen before the match started.

So the question was what was causing this enormous drift to the left. I was pretty sure it wasn't me so it must have been a combination of the side light and a crosswind that the flags weren't showing. I was still having trouble at 70m because the wind was fluctuating quite a bit so it was clear that there must have been quite a bit of crosswind.

I shoot ACEs for my compound so that I can get 90m, because I have wound my bow peak weight down to 45 lbs. ACEs are very light but I simply couldn't accept in my mind that this sort of drift was possible under the circumstances. Well clearly with ACEs, a great deal of drift IS possible.

What's the lesson here? It's simple. If you know that your form is good and that your sight settings were correct for when you sighted in, then if you are shooting under different light conditions and in wind, you have to believe the evidence of your own eyes and make major corrections quickly to re-centre your group otherwise the loss of points will be catastrophic.

I can't, unfortunately, state with any certainty how great the effect of the light coming from a different direction is, nor can I offer any reasons why wind drift to the left would occur when the flags were showing a headwind only. I can only repeat – believe your eyes and correct instantly and boldly.

Good luck!

Archery Scopes and Magnifications

This is going to be annoying for many of you because the archery industry has misled you all this time over the relationship between dioptres and lens magnification. For example, all scope manufacturers show that a .5 dioptre lens is 4X, a .75 dioptre scope as 6X and a 1.0 dioptre scope as 8X. Nothing could be further from the truth.

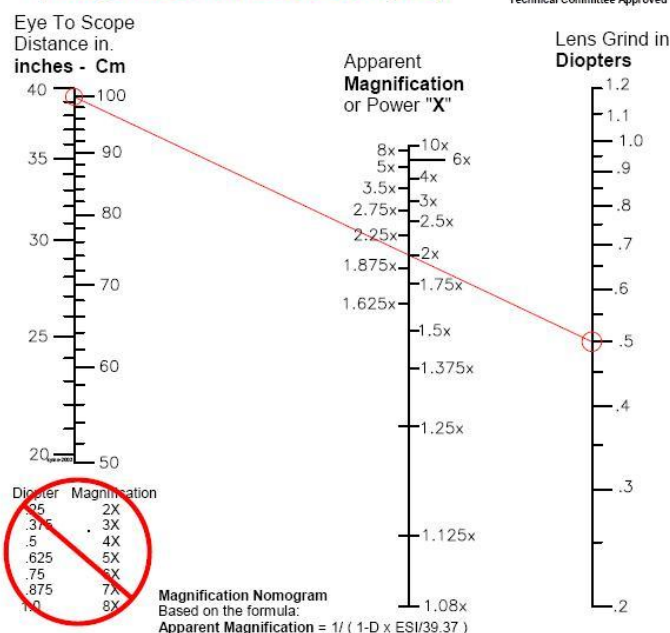
A dioptre is the measurement of the curvature of a lens and is stated as the reciprocal of the lens' focal length. Thus if your scope focuses sunlight to a fine point when it is 2m away from a piece of paper, then you divide 2 into 1 to get a dioptre of .5 (It's really that simple!)

Now finding the real magnification of a lens is somewhat more complicated, viz.:

Unfortunately, these ratios don't have any relationship to actual magnification, which is a bit more complicated because it depends on the distance of the scope from your eye. The actual magnification is determined by multiplying the distance of the lens from the eye by the dioptre, subtracting the result from one, then dividing that result back into one. Thus if your .5 dioptre 4X lens is 800mm away from your eye when you are at full draw, the distance times the dioptre would be $.8 \times .5 = .4$. When .4 is subtracted from one you get $.6$, and when $.6$ is divided into 1 you end up with an actual magnification of only about 1.66X, which (it goes without saying) is a lot less than 4X. If an archer with short arms used that same .5 dioptre lens on a target sight without an extension so that the lens was only 700mm from the eye, the result would be a magnification closer to 1.5X. Now if a long lanky lad were to shoot with the same scope 900mm from his eye, the magnification would be around 1.8X.

It should be clear now how misleading the archery industry figures are. None of us shoot a lens which has anything like the magnifications given. If doing the above calculations give you a headache then it is easier to refer to the graph following, which does the same thing for you without the pain:

Single Lens Bow Scope (Magnification made Simple)



* **Basic Facts:** The actual manufacturers of bow scope lenses specify their product in diopters, which is a measure of the lens' optical strength. Depending on the lens manufacturer, the diopter rating of a given lens may vary \pm some fraction of a diopter.

So, to find out what magnification scope you have fitted, you will need to measure the distance of your eye to the scope, as shown in column 1. Now you will already know the dioptres of the lens because it will be stated as such,

and by drawing a line between the two numbers you find the **real** magnification. So your own lens will give a different magnification to the lens of a taller or shorter person with longer or shorter draw length.

I hope this is of some use to you. You don't have to remember any of the written explanations but I do advise you to keep a copy of the graph so that you will always know what the true magnification of your lens is.



The Parting Shot

I want to reiterate what has been said in the body of this Newsletter, in relation to attending QREs and major tournaments at other clubs. I urge all members to give these matters serious consideration and decide to enter these competitions, partly because there is a lot of very good archers from other clubs present and it is nice to meet them and to have a look at their gear and how they shoot.

Also, attendance will expose yourself to the actual experience of a serious competition, no matter what level you are at. This sort of exposure will help calm future nerves and allow you to gradually relax into your shooting and to enjoy it more.

I wish you all good shooting and lots of deep tens.

