Fall/Winter SSAC Scores
Winter/Spring SSAC Rules

Quivers & Quarrels

The Official Publication for the Archery Community of the Society for Creative Anachronism, Inc

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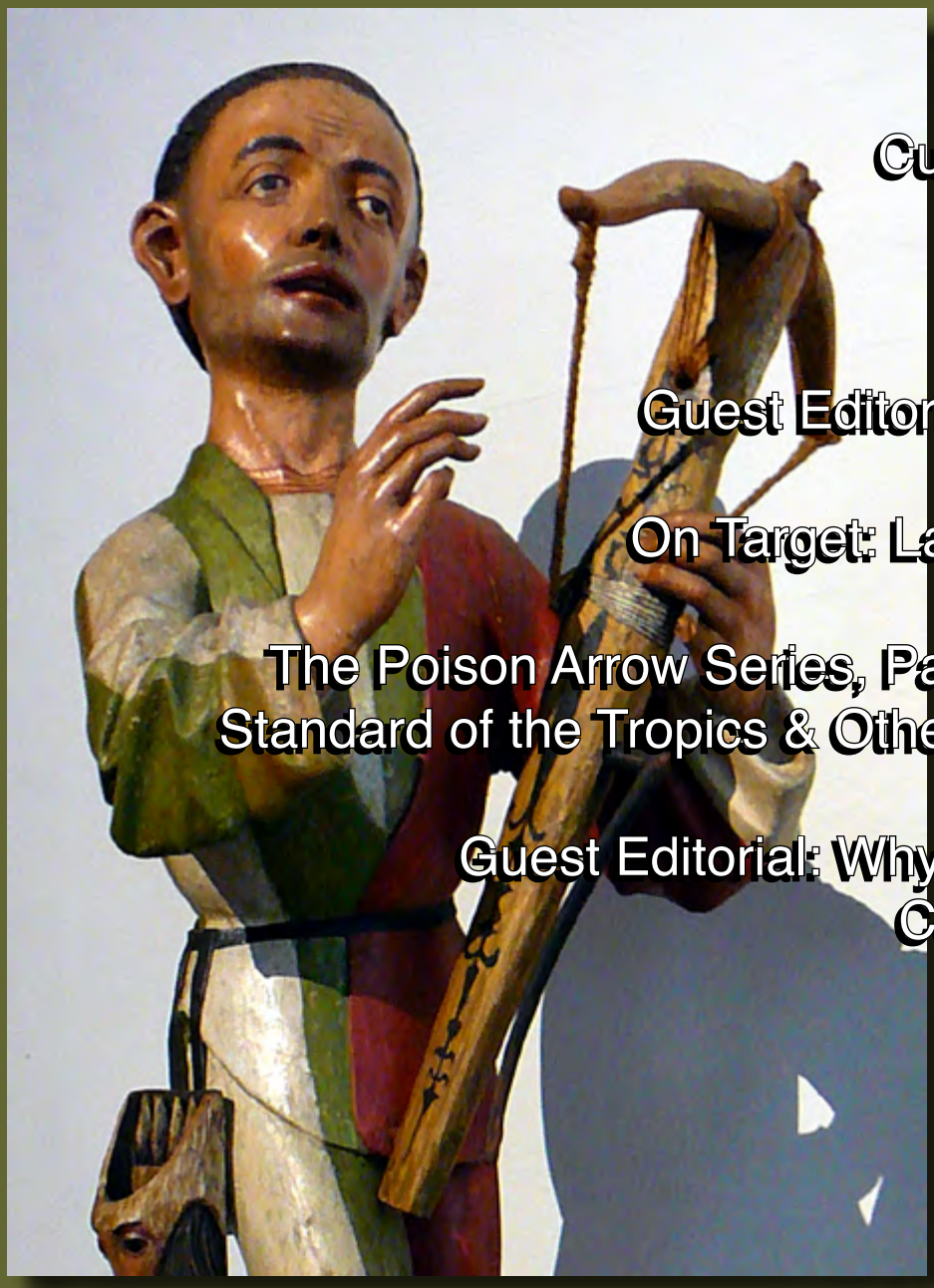

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Quivers & Quarrels

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Editor/Chronicler

THL Sayako Enoki
Barony of Dragon's Laire, An Tir
(Linda Tsubaki, Seabeck, WA)
qqchronicler@gmail.com

Managing Editor/Deputy Chronicler

Lord Gaelen O'Gradaigh, ODB
Barony of Brendoken, Midrealm
(Kevin Kern, Caledonia, OH)

Contributing Editors

Sir Jon Fitz-Rauf, O.L., O.P., RMC
Barony of Westermark, West
(John Edgerton, CA)

Lord Eirik Gralokkr
Barony of Sacred Stone, Atlantia
(Michael Matthews, Charlotte, NC)

Art Director

THL Crisftofanus Castellani
Captain of Archers, Caid
(Christopher Hall, CA)

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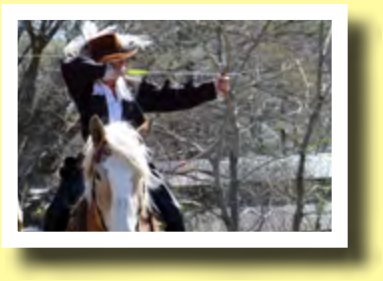

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Horatius Cocles Defending the Sublician Bridge, anoniem, c. 1550. *Rijks Museum*.

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About our cover:

Crossbowman executing Saint Sebastian. Detail of a figure from the Upper Rhine, around 1480; linden wood, Bayerisches Nationalmuseum, München, inventory number 79/355

Photo: Wikimedia Commons

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Modern Life Goes On

Mighty Archers of the Known World,

I must ask your forgiveness if I am have not been and may not be as timely with Quivers & Quarrels as I normally have been. Modern life has been attacking in abundance, and current times are trying. I find that I am quite challenged with the time and energy that I have normally otherwise had to spend on the Dream and its duties. However, all adversity eventually passes, and time is a great friend and equalizer. I do not expect that I will always be short of time and energy, and I am grateful and thank you for your grace while my modern life is relentless. I will continue to do my best to produce Quivers & Quarrels as close to its regular publication schedule as possible, whether I am able to meet that schedule or not.

I am looking forward to the coming tourney season, however. My household is meeting soon to begin to lay plans for the summer, and I am looking forward to picking up my bow again. I unfortunately lost my straw bales in my basement range to rats, so I have not picked up my bow in a very long time. The rats in my basement are finally all gone, so the next step is to clean and decontaminate my basement, and then I will replace the staw bales. I also had to retire my sweet mare in the last year, who was my archery horse. She will be 26 years old this April and has grown intolerant of change, so it is time for her to live out the rest of her days loafing in her pasture with her best friend. I have missed shooting, and hopefully I will be able to get back to my basement range by the time summer is here. As for mounted archery, I am going to be grounded for a while. It may be some years before I am in a position to find a new partner and enjoy the challenge once again, but who knows? Life may surprise me yet.

Happy shooting!

Yours in Service,
THL Sayako Enoki

On Target

"On Target" is a recurring archery column featured in the Aethelmearc Gazette. To read more "On Target" entries and other articles related to archery, please visit http://aethelmearcgazette.com/category/archery/

By THL Deryk Archer

On Target: Late Season Safety Check

This month's On Target focuses on doing a late-season safety check of your equipment.

I've just come back from an event and started to look over my loaner equipment. In the first picture below, notice the nock on the left arrow is cracked, the nock on the arrow on the right easily twisted off and required some superglue.

Pulling more arrows out of the quiver, I was able to easily twist off an arrow tip as well (*see photo bottom left*).

While inspecting arrow shafts, I thought I saw a very small crack (*see photos top right*). Giving the shaft a small twist, it shattered in my hands. This is the second time I've seen this. Lesson learned: Darker shafts can hide splits.

Lastly, I took a beat up target off a piece of foam to replace it with a new target. The foam was so badly shot up it split (*see photos below middle and right*). Any arrows shot at it would all blow through resulting in possible damage or loss of the arrows.

I'd like to take a moment to thank my editor, Mistress Arianna, for correcting my spelling, grammar, and punctuation that makes this article readable.

As always I would love to hear some questions or comments.

This month's safety tip: never run down range. You may come across an arrow in the ground, or as we call it, "deadwood," and trip.

In service,
THL Deryk Archer

(Above) Cracked, and then broken, arrow.
(Below Center and Below Right) Disintegrated, and then broken, target.

(Below Top) Damaged nocks.
(Below Bottom) Missing tip.

Why First-Time Visitors Don't Come Back to your Range: A Guest Editorial

By: Lord Mungo Napier, Shire of Isenfir (Atlantia) Target Archery Marshal-in-Charge

For the past ten years or so I've been shocked by the deplorable quality of archery loaner equipment I've seen in the SCA. Much of it is an embarrassment to our local groups that stock it, and even worse, an insult to our guests to whom it is issued.

Yes, our guests. Keep in mind that everybody who comes to an SCA archery range is a guest, and should be treated with all possible respect and courtesy. Respect and courtesy include issuing them loaner gear that is in good condition and safe to use. Anything less is an insult. This goes double for newcomers, who often have early contact with us through a local archery practice or at their first tournament.

If first-time guests don't have a good time, particularly if they feel they failed at archery because of poor-quality loaner equipment, they won't be back. That means they won't be back to your range, but they are also unlikely to come back to your group for other activities, or to any other SCA group. If they feel particularly offended, they will tell others about their negative experience for years. Friends, we need happy new Scadian archers, not bad PR.

The first way we fail our guests is a systemic problem because we fund our local groups' archery programs on a shoestring. Many groups have loaner equipment that is ancient, and is likely scratched, dinged, faded, shopworn, or otherwise extremely trashy. Our guests aren't stupid, and can see that what we offer them is from the bottom of the barrel. Sadly, even if we replace our old bows, what we will buy is likely to be more of the same--fiberglass youth bows. If a guest compares even new youth bows to the nice composite recurves or longbows many of us shoot, they still may feel slighted and think, "Oh, I see how this works. You give us the junk [or the cheap toys] and keep the nice stuff for yourselves. I'm not hanging around with you bums."

If first-time guests don't have a good time, particularly if they feel they failed at archery because of poor-quality loaner equipment, they won't be back.

Yet replacing old bows is something that must be done. If your group has 40-year old Bears, Stemmlers, or Jet Bows, you've gotten your money's worth from them. A big obstacle to replacement may be your group's populace or officers. Some of them may ask, "Can these bows still be shot?" When you answer "yes", they will counter, "Then why should be replace them?" The answer must be, "Our archery loaner kit is potentially one of our best recruiting tools. This equipment is an insult to our guests. If you want to attract new members, please approve my request for replacement gear." Write these words down. Make them your mantra, and repeat the same thing over and over again in an even tone to every objection. Hopefully, the skeptics will eventually cave.

The second problem is that much of our loaner equipment is filthy, and hasn't been cleaned for years, if ever. If you were invited to dinner and served on dirty plates, you would be offended, and rightly so. Is it any different if we give our archery guests gear that is covered in dirt, skin oils and old bow wax? No! Sadly, we often make this worse by storing our loaner gear in places filled with dust, such as garages, old sheds, and worst of all, barns. Even when barns haven't held animals for years, they are still filled with dust from ground-up and dried animal feces that constantly rains down from the rafters. This is not only gross, but is potentially dangerous to guests with allergies and other health issues.

The solution, besides storage someplace inside your house, is that bows should be cleaned at least once a year. One possibility is to hold a "field day" during the slack time in January. Gather up fellow marshals, press-gang some volunteers, and be sure to include your MITs (we don't teach them anything about

equipment maintenance in our training programs, and this work day should be worth a signature on their form if your kingdom will allow it). Lay in a supply of soft drinks and order some pizzas to make the work session a fun social time.

The bows should have their strings removed for close inspection and re-waxing. Bows themselves should be cleaned with a towel dipped in a bucket of warm (not hot) soapy water, and rinsed with clean water and another towel. Wooden bows should be dried off immediately. Use this opportunity to do a thorough inspection, and after restringing, adjust the brace height and nock point position.

Arrows should be cleaned and inspected after each use before they are issued again. Give a newcomer a dozen arrows and I can almost guarantee that every one of them will have been grounded by the end of the day. Clean your arrows with a damp paper towel or cloth, skipping the fletching. Be sure to clean out the nocks. No guest should have to pick dried mud out of a nock before they shoot. Squirt some inexpensive furniture oil onto a paper towel and rub it onto the points to prevent rust. Any arrows that are damaged, including those with chunks of fletches missing, should go to the shop before being reissued. Any arrows damaged beyond repair should be destroyed or converted to some other use (such as line markers).

Finally, we too often give out equipment that is broken in some way. I'm mostly thinking about arrows here, since we do a pretty good job inspecting bows. Most of our loaner arrows are in short sets, either through loss or damage, or because they were donated by some archer who didn't want them anymore. Sadly at tournaments, guests are too often given just six arrows (frequently mixed from the remains of several sets). This is insulting, since guests can see they are getting leftovers. At many tournaments there are a few targets that require eight or nine arrows to complete. How can we expect guests to feel satisfied if we don't give them enough arrows? It is as if we're telling them we want them to participate, but not fully.

Arrows should never be lacking fletches or points. These arrows won't fly right, and pointless arrows will likely bounce off the target if they do get that far. This will certainly frustrate our guests. It also shows them we don't care enough about them to offer equipment in working condition.

Arrows should be cleaned and inspected after each us before they are issued again.

No guest should start the day with any less, or any more, than 12 arrows in their quiver. Why 12? When everyone starts with 12, it's easy to keep track of how many they have shot, or how many are still in the grass. Additionally, no guest is likely to feel that they were shorted.

When a marshal makes a new set for their loaner kit, it should have at least 15 arrows rather than 12. Keep the extras at home. If a guest breaks or loses arrows, it is easy to replace them before the set is used again. When the total falls to 12 arrows or less, it is time to build more replacements. New sets added to my local group's loaner kit are no longer colored or crested. This saves production time both with the new set and with any replacements. Of course, they are still sealed with three coats of polyurethane, just like my own personal arrows. Replacements for older "pretty" arrows still are stained to match, but usually without cresting.

After all this carping, let me offer a couple of positive ideas to really impress our guests. At a local practice, never offer guests a used bullseye target to shoot. Start with a fresh target every time. They only cost a buck or so. However, you might want to reuse a homemade novelty target that took a lot of work to build, if it is not too badly shredded. You might announce, "We used this target at our last tournament, and it was so much fun I saved it for you to shoot at." This turns a potential insult into a thoughtful gift.

Finally, keep a clean cloth with your loaner kit. After stringing a bow, but before handing it to the guest, take a moment to wipe off any bow wax, especially on the upper limb where the string has just slid into its slots. With recurves, remember to also clean the limbs where string slap has deposited more bow wax. For just a few seconds of extra effort, you will show your guests you really do care about giving them nice equipment. This could be the gesture that makes them decide to come back.

We simply can't afford to chase these newcomers away. Do everything possible to make them feel that the SCA is going the extra mile so they can have a good time. In the film MRS. BROWN, Prime Minister Disraeli says to the ghillie John Brown, "With queens you have to lay it on with a trowel." That's good advice for us too.

Archery with Children

By: Baron Padraig MacRaighne, CGC

Padraig MacRaighne has been an Archery Marshal for over 28 years. He is a member of the Greenwood Company, the highest Missile Weapons Award in the Middle Kingdom, and was made Baron of the Court of William and Isolde for his service to the Kingdom and the Archery Community, including the latest revision of the Midrealm Archer's and Archery Marshal's Handbook and service as the Kingdom Archery Marshal.

Frederick Fenters is a Vietnam Era veteran who lives in Warren, MI with his Lady and His Imperial Highness, Nikolai the cat, who deigns to let the "hoominz" feed and sometimes pet him.

One of the most fun and most challenging activities an Archery Marshal can do is to run a range with children participating. It is fun because kids bring a fresh perspective to the sport, whether they are playing Robin Hood, William Tell, a parent, or even Chewbacca. The points that I make in this article are my own opinions, save citing of rules, which in this article will all refer to Middle Kingdom usages and practices. Those in other Kingdoms may be more or less restricted, so be sure to check your own Kingdom Archery rules.

Supervision and Range Safety

When running a range where children are participating, one of the biggest things to remember is that the Marshal must never work alone with children. SCA regulations state that two (2) adults who are not related to one another must be

(Below) Young boy shooting on the youth range. Photo: Wanda Ostojowna

present when working with anyone who is a minor. The minor's parent may be counted as one of the adults present. However, minors under 10 years of age must have a parent present on the range with them.

In the Middle Kingdom, we practice the "two deep rule" when children participate in activities at events. Nobody should ever be left alone with a child who is not theirs. The two-deep rule does not apply to the parent. You can work with your own child any time.

On the range, archery marshals must be able to recognize when parents may be interfering with managing the line and instructing the children, and thus creating potential for a safety hazard. Parents can be a big distraction for a youngster on the range. Remember, even the lightest of bows is still a potentially deadly weapon. Parents who interfere with the function and safety of the range, and in the marshal's best judgment, are creating a potential safety issue, should be asked (or ordered, if necessary) to leave the range.

While on the topic of range safety, the rules of the line (ROTL) must be made clear to everyone. The Kingdom ROTL are included in the Archer's Handbook in the Midrealm. Be sure to know where the ROTL are included for your Kingdom. Making a sign that has the Rules on it is a very good idea, regardless of the age of the shooters. Having a copy of the SCA non-harassment policy is a good idea, too.

Shoots for Children

Generally, shoots for children should be very short and sweet. Both distance and duration should be limited. A parent must be present, and remain close enough to be called over if parental intervention with the child is needed. Archery Marshals should never raise their voice beyond the volume necessary to be heard from one end of the range to the other. Shouting at an individual child is unacceptable, regardless of the child's age. Touching the child in any way without permission of the parent is absolutely forbidden (and even then, may be unacceptable)! Once again: Never discipline a child further than removal from the shooting line. Many times, just warning the child that they may not be allowed to shoot is more than enough guidance.

Targets should be fun, while allowing even the youngest shooters a fair chance to hit the mark. Novelty targets are very popular. Balloons, both fixed to a face and helium filled and tethered to the ground, fairy tale "bad guys," and stuffed animals are nice targets. Children usually understand they are not "shooting their friends", especially in a hunting themed shoot where the child "hits it and gets it". The children are oriented toward hitting their target and winning, so if their parents do not fuss, neither will the children. It's important to remember that part of the society that we are recreating is a society where hunting and fishing were a common way of life.

I like to encourage older, more experienced shooters to try to hit the smaller targets. Talk to them, and get older children to let the younger ones win the larger animals. Remember the mantra from the movie "aim small, miss small" applies just as much to archery.

If you choose to use a FITA standard multi-colored target, the 60 cm is the standard in the SCA. Youth royal round scores are calculated the same way as for an adult, save that the distances are adjusted based on the shooter's age. Royal rounds can be too long of a shoot for an event where many shooters are involved.

Managing Young Archers

Children tend to have even shorter attention spans outside of school, and there are many distractions at an event. In the interest of keeping the shoot moving along, one of the things I like to do is limit their ends to three arrows. This also cuts down on retrieval time, so that those waiting for their turns do not have to wait too long. One other thing is to plan for "participation" prizes. A dum-dum sucker (if the parent agrees), a sticker or two, or a trinket of some sort work well as favors for participating. Inexpensive things like the colorful key chains from Oriental Trading Company, or bead bracelets or necklaces, make good participation prizes for children.

I try to remember to thank the children for joining me on the range, and to thank their parents for bringing them and for helping. This is important! It establishes that you consider the child a fellow Archer, with a capital "A". The children learn that they are respected, and it demonstrates that they are valued. I also like to have all the children who shot stand up to be recognized in Court. It takes but a moment and can make their day. Sometimes, in a small court situation, the presiding Noble may want to give the children another token. Even if they do not, the young ones get a chance to be recognized.

I hope this will help explain running children's archery a little bit, and encourage others to work with the children. They are the future of our Society and indeed, they are the future of society as a whole.

Cutting Your Own Fletching

By: Lady Sarah Sinclair
Target Archery Marshal, Kingdom of Atlantia, Shire of Isenfir

This article explains how to cut your own fletchings using a feather cutting machine, or by hand.

Using A Feather Cutter

WARNING: The blades of these machines are VERY sharp, and can make deep cuts in your skin. Always be aware of where your fingers are in relation to where the blade is.

Place the feather to be cut into the cutting device against the lower guard. Be sure the feather base is straight and flush along the lower guard with the feather protruding on either side of the notches on the lower guard. You may need to lift the blade slightly to adjust the feather base position. Make sure both ends of the blade are sitting firmly upon the feather base before cutting. Strike the wooden top with a rubber mallet. Do not use a metal hammer. A 3-inch fletch cutter should cut with one strike above the center of the feather. Longer fletches may require two strikes, one above each end. With two strikes the feather could move slightly, as there is some play in the machine. If the feather does not cut all the way through, remove from the machine and finish the cut with scissors, Xacto knife, or a fisherman's nippers/flush cutter.

Technical

Cutters may or may not be available for desired fletches, but custom-made cutters are available from some vendors. Below are images of some suggested fletch styles (*see figure below*). Shapes and names may vary from vendor to vendor.

Template Making And Use

Make feather cutting templates with .030 or .040 inch thick Evergreen white polystyrene sheets (it easy to see your drawn fletch lines on white) purchased from craft, hobby stores, or online. Draw the fletch shape on paper and rubber cement it onto the polystyrene as a cutting guide. You may also skip using a paper shape and draw directly on the polystyrene. Draw with a pencil, which can be easily erased. Use a ruler (metal edged is most durable) and saucepan lids, jar lids, or

(Above) Example of a feather cutter, using a die to cut the shape. Photo: Author

(Left) Examples of various styles of fletch. Cutters may or may not be available in these shapes, depending on the vendor.

(Left Top) Example of the first step in making a feather using a template.

(Left Bottom) Applying the template to the feather to be cut.

cans for curves. Score the pencil lines three times using an X-acto knife with a sharp blade. Do not cut all the way through the polystyrene. Use the ruler, jar lids, or cans as a cutting guide. Bend and snap the template free, and smooth the rough edges with 180-grit sandpaper or a sanding block. You may want to write on the template which edge goes against the feather base.

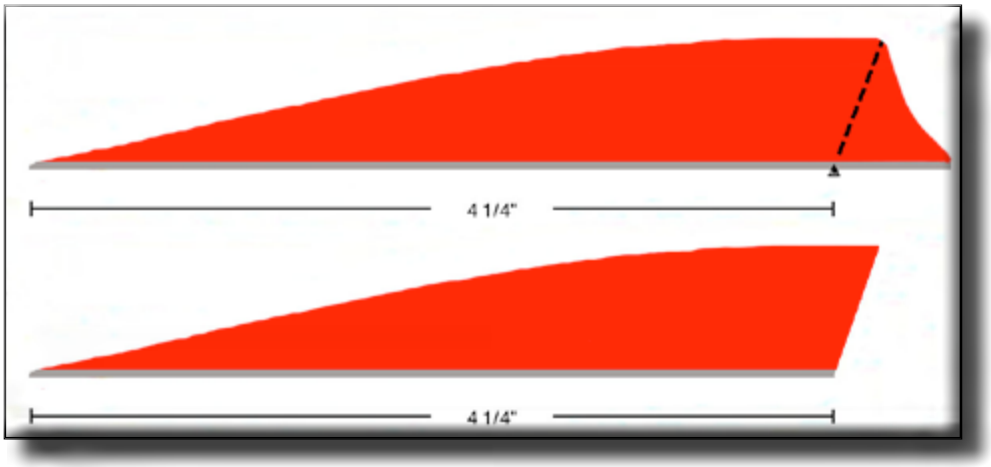
Place a ruler on the lower edge of a piece of sticky side up painter's tape, the ruler covering about ¼ inch of the tape. Lay the feather base against the ruler and onto the tape. Press the feather base down firmly. Press the barbs gently on the tape taking care not to make gaps or overlaps in the barbs (*see photo above top*).

Remove the ruler and press the feather securely on the tape. Place the template over the barbs against the edge of the feather base, with the arrow point end approximately ½ inch to the right of the left end of the feather. Tape the template to the edge of the feather base with small pieces of painter's tape (*see photo above bottom*).

Remove the large piece of tape from the work surface without disturbing the feather. At the arrow nock end of the template, cut through the taped feather with sharp scissors, following the template edge. (Save the cut feather part no longer attached to the template for a future fletch). Make a second cut along the upper edge of the template, always cutting from the fletch nock end to the point. Carry the end of the cut across the feather base at the arrow point end of the template without changing the angle of the cut. Gently peel the cut fletch free.

Basic Hand Cutting Technique

Use to reshape a 5 ½ inch commercially-cut shieldback fletch into a Traditional cut fletch (*see figure below*). Tools needed: X-acto knife or a fisherman's nippers/ flush cutter and a ruler. Measure the fletch from its arrow point end moving to the nock end for a length of 4 ¼ inches. Mark the feather base where the cut is to be made. Cut only through the feather base at the mark and pull away the small triangular end piece.



(Right) Cutting diagram for a commercial fletch.

Full-Length Feather and Feather Cutter Sources

Note: Availability, types of products from sources can change; check websites for current information. The following list is not intended as an endorsement of or an advertisement for any private business or vendor, and is included for informational purposes only.

3Rivers Archery
http://www.3riversarchery.com/

TrueFlight full-length feathers in several pack sizes. Little Chopper feather cutter in various blade styles with the parabolic and shieldback cutters in multiple fletch sizes. Fletching templates available for hand cutting in various fletch styles. (Sewing rotary cutter and board recommended to cut using templates.)

FS Discount Archery
http://www.fsdiscountarchery.com/

TrueFlight full-length feathers in packs of 50.

Lost Nation Archery
http://lostnationarchery.com/

TrueFlight feathers in packs of 12 or 100.

Lancaster Archery Supply
http://www.lancasterarchery.com/

Gateway feathers in packs of 50. Bearpaw Shark feather cutters in various blade styles with multiple fletch sizes.

Kustom-King Traditional Archery
http://www.kustomkingarchery.com/

TrueFlight feathers in packs of 12 or 100, Bearpaw feathers in packs of 12 or 100. Bearpaw Shark feather cutters in various blade styles with multiple fletch sizes.

Herb Haines Custom Archery
http://www.herbsarchery.com/

Has Herb's Feather Cutters in multiple blade styles and various fletch sizes. Extra blades available.

Evergreen Scale Models
http://www.evergreenscalemodels.com/

Sheets of polystyrene plastic. (Choose white in .030 or .040 thickness.)

Small nippers/flush cutters can be obtained from store or website that sells fly making materials for fly-fishing.

Photo: Wanda Ostojowna

Keeping Your Points

By: Baron Sir Jon FitzRauf, OL, OP, RMC

Many archers have had that sinking feeling as they pulled their arrow from the target and saw that the arrow point did not come out with the shaft.

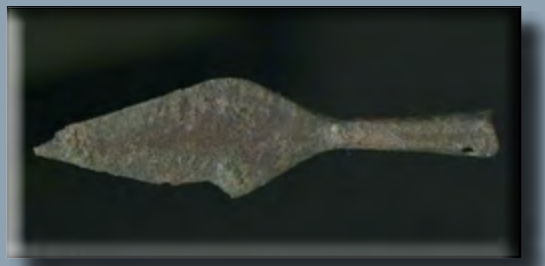
(Above) The tip of this arrow remained embedded in the target when the arrowed was pulled.

There are ways to avoid this problem. You need to be sure to completely clean any oil or foreign material from the inside of the point. Then you need to properly apply the glue and seat the point firmly. However, even when this is done to the best of your ability, the point may come off anyway.

There is a perfectly period solution to this problem. There are many existing examples of arrow points that were pinned to the shaft. Below is an example from the collection of the Museum of London (*see photo below*). Note the hole at the wider part of the socket.

On page two of their online arrowhead collection photos, there are several examples of arrowheads with holes. On the second from the top line, the second from the right arrowhead still has a pin in place. https://collections.museumoflondon.org.uk/online/search/#!/results?pageSize=35&page=2&terms=arrow&search=AND%3BmediaRef%3B*

(Below) Arrowhead with socket pierced for rivet. Photo: London Museum type 1. Public domain.



The pins generally seem to have been flat. However, some examples of late period crossbow bolts show the pin with a wedge shaped head, with the edge of the wedge running parallel to the shaft[1]. It may be that these were used to also provide a more precise sighting point than just the arrowhead of the quarrel.

Technical

I contacted Hector Cole, the noted English maker of replica period arrow heads. It was his opinion that "There was just the one small hole in the socket to allow a small pin to be hammered into the shaft to secure the head."[2]

I have secured the points on my crossbow bolts with pins for several years and have never lost a point.

How to Pin Your Points

Materials needed: Arrows with points attached. Small nails or brads to use as pins.

Tools needed: Drill press (preferred) or electric drill. Drill bit the correct size for the nail. A jig or vice to hold arrow in place while drilling the hole. Hammer for driving the pin into shaft. Side cutting diagonal plier or other cutter for cutting nail to length. Small file for smoothing the pin head, if needed.

I find that a 16 gauge nail or brad works well as the pin. Use either a flat or rounded head. A 1/16 inch drill bit makes the correct size hole and is usually the smallest size bit easily found in most drill sets.

There is a small problem when using a small diameter drill bit while drilling a hole into a curved surface such as an arrow point. The bit will tend to drift around and not want to go where you want it to go. This drift can be reduced by inserting the bit into the drill chuck as far as it will go, leaving only a quarter of an inch protruding. I find the best solution is to use a mill center drill countersink or the drill bit end of an easy-out, which does not tend to drift. See the example below.

Placing the shaft in a jig attached to the table of a drill press will allow you to easily align the point for drilling. The jig can be made by routing a V shaped grove in a length of 1 by 4 and placing a stop at the end. Or you can attach two strips of wood, the diameter of your shaft apart, to the top of the length of wood and place a stop at the end. The jig should be set so that the hole is placed at the rear of the point where the shaft has the least taper.

If you do not have access to a drill press, you can use a hand held electric drill. However, the use of a drill press makes the process much easier and accurate.

If you are using a 1/16 inch bit, the drilling can be done in one operation. If you use a mill center drill

(Top Left) Easy-out and 1/16th-inch drill bit.

(Center Top) Easy-out in drill press chuck with hole drilled. Shaft in jig.

(Center Botton) 1/16 inch bit inserted most of the way into the drill press chuck.

(Bottom Left) 3/4 inch flad head brad marked for cutting to length.

bit, it is two operations. First you drill the holes in all the points, while attached to the shafts, with the mill center drill bit, which will only go part way through the point. You must make sure that the pin is a tight fit in the hole and not loose.

You need to cut your brad or nail to the correct length to just fit inside the arrow point. You should cut it at an angle so that it goes in easier (*see photos top right*).

You push the pin into the hole by hand as far as you easily can (*see photo center bottom right*).

You then place the shaft with the point onto a solid surface, I used the top of a vice and hammer the pin all the way in (*see photo bottom right*).

If you wish you can file the head of the pin smooth with a small file.

If you need to remove the head for reuse from a broken shaft, you can pry it out with a knife blade or a thin bladed screwdriver.

Endnotes

[1] Sensfelder, Jens, Crossbows in the Royal Netherlands Army Museum (Delft: Eburon. 2007). 286, 289, 290.

[2] Cole, Hector. Personal correspondence. Nov. 23, 2017.

(Top Right) Brad being cut to length at an angle.

(Center Top) Brad cut shorter than the inside diameter of the point.

(Center Botton) Brad pushed into the shaft through the hole in the point.

(Bottom Right) Brad hammered into the point.

The Poison Arrow Series, Part 4

Strychnos: The Gold Standard of the Tropics & Other Tropical Arrow Poisons

By: Gehrig Reimundson

Most of the substances seen in this series feature in Europe and European history, rather than nearby in North Africa or the Middle East. However, any discussion of arrow poisons that leaves out Strychnos and the strychnine derived from it would be incomplete. Popular in the tropics across the world, it has also been popular until recently as rat poison. It may not be the strongest arrow poison, but like hellebore in Europe, it is a standard of efficacy and is often a major ingredient in some of the strongest arrow poison concoctions around the world. This paper will cover its use both alone and in combination with other substances.

Technical

The Plants

The genus Strychnos describes a group of at least 100 species of flowering plants widely distributed around the world's tropical regions. They are often distinguished by the toxic alkaloids they contain, most notably strychnine and curares, although the amount of these toxins contained varies widely from species to species. Indeed, many species feature edible fruits but with toxic seeds. The two most known toxic members of the genus are strychnos nux-vomica of India, Southeast Asia, and many Islands of the South Pacific, and strychnos toxifera of South and Central America including Brazil, Bolivia, Peru, Ecuador, Venezuela, the Guyanas, through Central America to Costa Rica. These plants feature heavily in arrow poisons of those regions. There are also species in Africa as well which tend to be secondary to Apocynaceae poisons.

The Active Toxin

Strychnos is best known for its most toxic derived compound, strychnine. Famous as a rat poison, it has an estimated human LD50 (50% probable lethal dose) of 0.05-0.2 mg/kg injected and an oral LD50 estimated at about 1-2 mg/kg orally, 0.16 in rats. In the case of Strychnos nux vomica, the seeds have the greatest concentration of the toxin at about 1.5% by weight. Curare alkaloids, referred to as isoquinoline and indole alkaloids, toxicity is similar at an estimated LD50 of 0.735 mg/kg injected, and is not dangerous if ingested. Both toxins are extremely fast acting. It is important to understand that curare is not a single toxin, but a complex combination of toxins from a variety of recipes with varying ingredients. Recipes usually contain one or more strychnos members, including strychnos toxifera, guianensis, castelnaei, and/or usambarensis, and often contain related toxins from members of family Menispermaceae, and additional plant and

(Left) Strychnos toxifera. Illustration: By Franz Eugen Köhler, Köhler's Medizinal-Pflanzen - List of Koehler Images, Public Domain

(Above Left) Illustration of Strychnos nux vomica. Illustration: Franz Eugen Köhler - http://caliban.mpiz-koeln.mpg.de/~stueber/koehler2/high/DSC_3064.html, Public Domain

(Above Right) Illustration of Strychnos ignatii. Illustration: Franz Eugen Köhler - Köhler's Medizinal-Pflanzen in naturgetreuen Abbildungen mit kurz erläuterndem Texte : Atlas zur Pharmacopoea germanica, from MBG Rare Books, Public Domain

animal based poisons from various frogs, snakes, insects and so on.

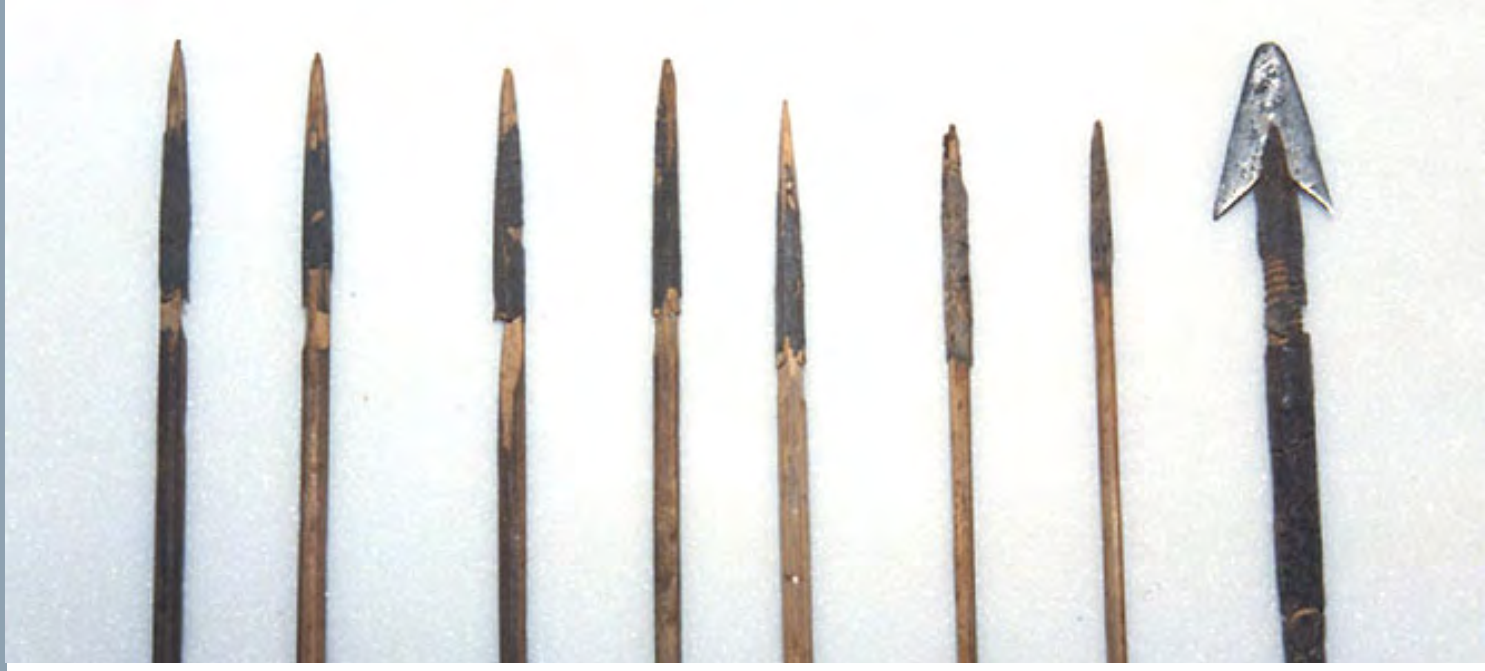
Symptoms

Strychnine is well known for its dramatic symptoms, which includes nausea, but more prominently, convulsions of all muscle groups, including spasms of the facial muscles and dramatic exaggerated reflex sensitivity. These convulsions eventually lead to whole body convulsive positions arching forward, backward, or to the side. The eventual cause of death is asphyxiation, caused by muscle spasms in the muscles involved with breathing. It is notable that this is all useful for warfare and hunting, as one can neither fight nor run effectively when subjected to these convulsive symptoms. Curare is similar in that it affects the neuromuscular connections, but it functions by paralyzing muscles. which leads to death from asphyxiation from inability to contract respiratory muscles.

Application, Associated Toxins, & More

Strychnine based poisons can be straightforward or complex. The seeds are crushed and ground, usually after being dried. The resulting pulp or powder is often mixed with a sticky toxic latex, sometimes strychnos latex. While usually still toxic, strychnos latex in most species is still weaker than the seeds, so more often another more toxic latex is used to affix the toxic matter to an arrow, dart, or spear (*see photo next page*).

In Southeast Asia, most notably in Assam, Java, Borneo, and Myanmar, the highly toxic latex (sap) of Antiaris toxic aria, called the "upas tree", is often used. This plant occurs in parts of tropical Africa, tropical Asia, Australia, Indonesia, Phillipines, Tonga, and other islands, and it contains a deadly cardiac glycoside called antiarin. Antiaris latex is toxic enough to use on its own applied to arrows, spears, and even tiny blowdarts, and it is used on its own in many tropical cultures, including the Li people of China, who often



(Above) Strychnos, Antiaris, Strophanthus poison arrows, Assam & Burma. Photo: Victoria and Albert Museum. http://www.vam.ac.uk/content/articles/p/poisoned-arrows/

call it the "poison arrow tree", or more colorfully, "seven up eight down nine no life tree", which is to say that after hit with an arrow poisoned by its latex, one can only take seven steps uphill, eight downhill, or nine on level ground before falling down to die. To be fair, this is usually declared to be exaggerated, but has not been properly tested in the modern era.

It is also notable that members of the *Strophanthus* genus often occur in the same places in Southeast Asia as *Strychnos* and *Antiaris*, leading to arrow poisons composed of all three. On the arrows from Assam and Myanmar (*see photo above*), and is what professionals refer to as "an arrow you do not want to be hit by, not even a little bit." In Africa, *Strophanthus* is recorded as being combined with *Strychnos* as well, most notably by the pygmy peoples of the Congo, called the Akoa. The Akoa arrow poison is an extremely complex recipe using *Strophanthus*, 2 species of *Strychnos*, and a few other less toxic plants including Erythrophleum africanum, Amaryllis, wild peppers, and euphorbia latex, which is another popular option to adhere strychnos to an arrow. Euphorbia latex is also a common weak arrow poison. The Akoa concoction also includes a toxic toad, crushed toxic beetle grubs, human saliva, and stinging ants, and is then packed into a dead monkey corpse and buried for several days before being dug back up and applied to their weapons using the euphorbia latex. It is indeed considered one of, if not the most, deadly arrow poison in all of Africa, such is its reputation that it is terrifying even in modern times:

Witness the recent and bizarre spectacle of pygmy warriors carrying bows and poisoned arrows into combat alongside the Zairian army during the recent skirmishes with the Katangese rebels in the Shaba region. Rebel soldiers who had routed the well-armed Zairian forces shuddered and lost heart at the news that the little men from the deep jungles were heading for the front. –Edward R. Ricciuti 1978 from Devil's Garden p. 122

Curare is a similarly complex combination of powerful toxins into an excellent arrow poison, arguably the most famous arrow poison in the world. Curare is made by boiling down several kilograms worth of various plant-based ingredients into a dark, thick, tar-like paste. It then has other ingredients added, which help to accelerate symptoms, increase the toxic lethality, or prevent coagulation.

References

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Open Range

Q&A with THL Deryk the Archer

I am THL Deryk the Archer, and welcome to Open Range! I like to call this column "Open Range" because I want it open to a wide range of questions from the readers. So, if you have questions on history, research, safety, or how to design a range, this column is for you!

I have been a marshal in the Kingdom of Aethelmearc for a little over 22 years. I have also had the privilege of designing the champions range at Pennsic, and I have been writing "On Target" for the Aethelmearc Gazette for almost 3 years. Please feel free to text message me at (724) 433-6784 with your name and Kingdom, and I look forward to answering your questions. Until next time, I'm Deryk the Archer and the range is open.

Photo: Wanda Ostojowna

Q: Ask your questions of Deryk the Archer (text him at the number above) and he will answer them in this column!

A: Ask any question related to archery in the SCA, and your question and Deryk's answer may appear here in Quivers & Quarrels!

Society Seasonal Archery Challenge (SSAC)

Winter SSAC: Tic Tac Toe

Rules

The Seasonal Archery Challenge is a Tic Tac Toe shoot. The common kids game turned into an archery shoot.

Please read the SSAC General Rules, as these apply to all SSAC shoots. Below are the additional rules for this specific shoot.

Shoot Begins
December 1, 2017

Shoot Ends
February 28, 2018

Scores must be Submitted by:
March 15, 2018
and within 14 days of being shot.

Target

The target is nine 20cm circles arranged in a 3x3 square. You may either purchase three 'Vertical 3-spot' targets and place them side by side, such that the horizontal spacing is the same as the pre-printed vertical spacing. These targets are available from numerous retailers, for example: Amazon, Lancaster. You may also hand draw the target, the Circles should be exactly 20cm in diameter with approx 5cm between them, ie 25cm on center.

Ends

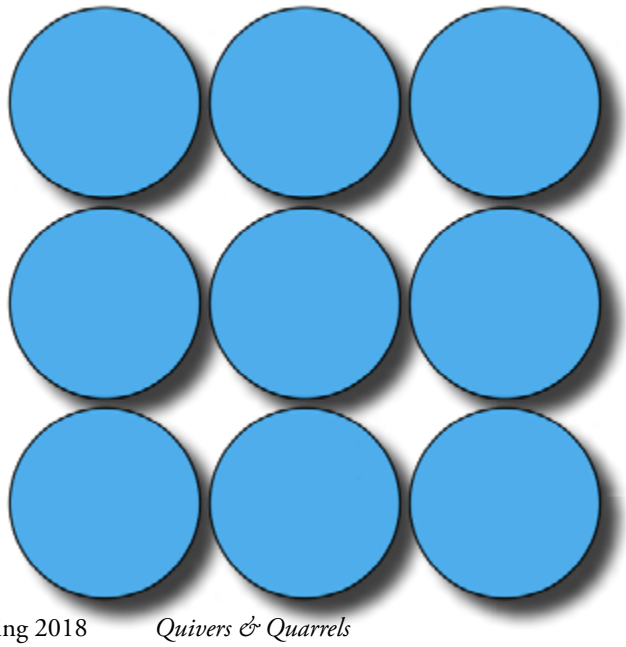
The shoot has four ends:

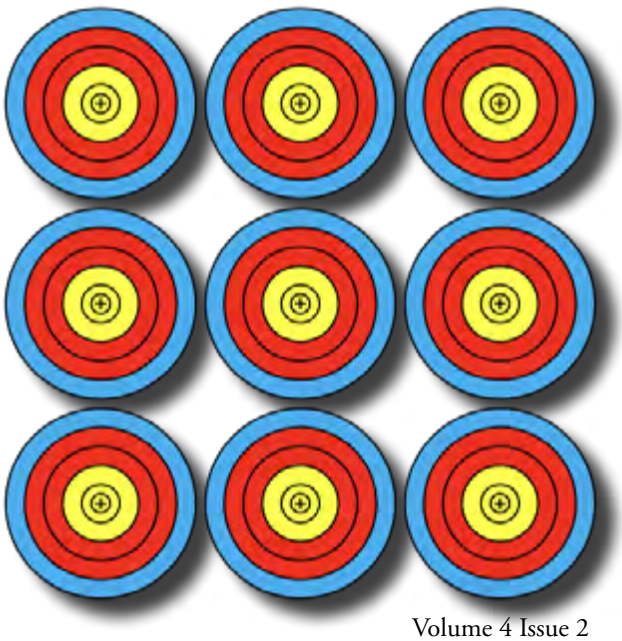
- 15 Yards - Untimed 6 arrows
- 15 Yards - Timed 30 seconds
- 20 Yards - Untimed 6 arrows
- 20 Yards - Timed 30 seconds

Scoring

- 1 point per arrow hitting a circle. Repeat hits to a circle count
- 5 points per "3 in a row" created by circles hit. Vertical, Horizontal, and Diagonal count. Circles may be part of more than one "3 in a row"

(Below Left) Hand drawn Tic Tac Toe target
(Below Right) Using a vertical three spot target for Tic Tac Toe.





Tic-Tac-Toe

Date:_____ Event/Location:_____ Marshall:_____

SCA Name	MKA	Branch	Bow Type Open/Period then Handbow/Crossbow, or Youth	15 Yard Static	15 Yard Timed	20 Yard Static	20 Yard Timed	Total

The shoot has four ends 15 Yards - Untimed 6 arrows, 15 Yards - Timed 30 seconds, 20 Yards - Untimed 6 arrows, 20 Yards - Timed 30 seconds

Scoring The scoring is: 1 point hitting any Circle. There is a bonus of 5 points for each "3 in a row" created. An arrow may only count towards hitting a single Circle, however that Circle may count towards more than one "3 in a row". For example, if the archer creates an 'L' by hitting each of the left column circles, and all the bottom row circles, the score would be 15 (1 x 5 for the circles plus 2 x 5 for the two '3-in-a-rows'). If they also hit the center circle the score would be 21 (1 x 6 for the circles plus 3 x 5 for the three '3-in-a-rows').

(Above) Tic Tac Toe scoresheet.

Examples:

Six arrows all in the same circle: 6 points for the arrows, 0 points for "3 in a rows", 6 points total

Two arrows in each of the top 3 circles: 6 points for the arrows, 5 points for the "3 in a row" created, 11 points total

One arrow in each of the top 3 circles, the 3 circles that make up the right side, plus the center circle: 6 points for the arrows, 15 points for the "3 in a rows" (5 points x 3 "3 in a rows"; top horizontal, right vertical, diagonal), 21 points total (best possible for 6 arrows)

A printable scoresheet has been provided by Thomas of Salisbury, and can be found at https://www.scores-sca.org/ssac/images/ssac_421_scoresheet.pdf

This shoot was suggested by: Miguel de Granada

Starting with the Spring 2015 SSAC, I am giving the top ten archers in each of the five divisions - Period Handbow, Period Crossbow, Open Handbow, Open Crossbow, and Youth - two archery coins as a token of their skill in the SSAC.

The coins were a gift to me from the Moneyers Guild of An Tir. The dies were cut by Arion the Wanderer, OGGS. On first the inscription lettering style is circa late 1200`s - early 1300`s. It reads: "SIR.JON.FITZRAVF" on the bust side and "TRVE.HEART.TRVE.AIM" on the reverse. Which means "TRUE HEART/TRUE AIM". The coin is modeled after the French gros tournois/ English groat. It is 25 mm diameter x 0.7 mm and is 3% silver / 97% tin pewter.

The second coin was made to celebrate the SCA's Fiftieth Anniversary of target archery. The bust side has an archer at full draw. On the reverse is an "L" the Roman numeral for 50 and the laurel wreath for the SCA. And "50 YEARS OF SCA ARCHERY".

To receive a coin, you need to be one of the top ten in any of the divisions and you must US Mail me a self addressed business size stamped (49 cents) envelope within thirty days of the end of each seasons contest. My address is: John R Edgerton, 7662 Wells Ave. Newark, CA 94560-3530. Please include your Scadian name and division.

Society Seasonal Archery Challenge (SSAC)

FALL SSAC RESULTS

This is a variation on a shoot that frequently appears at tournaments in the northern Outlands. I first encountered it at tournaments run by THL Eirikr Morrison and THL Ailinn Shadowfox.

This shoot has two targets, Quarterly and Saltire.

Quarterly - target is an 20 inch square divided quarterly, which is split vertically and horizontally to make four 10 inch squares. In the center of each square is a 3 inch diameter circle.

Saltire - target is an 20 inch square divided saltire, which is split from diagonally corner to corner to make 4 triangles. In the center of each triangle is a 3 inch diameter circle.

There are two ends at each target, all shot at 20 yards.

- Quarterly Untimed - 6 arrows
- Quarterly Timed - 30 seconds
- Saltire Untimed - 6 arrows
- Saltire Timed - 30 seconds

Arrows must touch the colored portion of the space, not just the black dividing line, to count for that space. Each arrow may only count toward a single quarter/saltire.

Arrows hitting the circle are worth 2 points each. Arrows hitting the rest of the quarters/saltires are 1 point each.

If all four quarters/saltires (including the circle within) are hit then your total score is doubled.

PERIOD HANDBOW

Rank	Name	Kingdom	Group	Score
1	Muldonny McVriw	Middle	Eastwatch	76
2	Gwyneth Cole	Middle	Cleftlands	62
3	Robert Thorne	Middle	Illiton	62
4	William Thorsson	Artemisia	Silver Keep	60
5	Jamil al`Wadi	Outlands	Caerthe	60
6	Dubhghaill mac Gilleasbaig	Outlands	Caerthe	60
7	Leif of Crescent Moon	Calontir	Loch Bheathrock	58
8	Eric Morrison	Outlands	Hawk`s Hollow	58
9	Kaitlyn McKenna	Ansteorra	Shadowlands	56
10	David St. Rose	West	Caldarium	56

PERIOD CROSSBOW

Rank	Name	Kingdom	Group	Score
1	Robert Thorne	Middle	Illiton	90
2	Dolan Madoc	Calontir	Lonely Tower	58
3	Eric Morrison	Outlands	Hawk`s Hollow	56
4	Gladius the Alchemist	Middle	Cleftlands	56
5	Tymme Lytefelow	An Tir	Wyewood	50
6	Kaitlyn McKenna	Ansteorra	Shadowlands	50
7	Eustace Kilpin	Middle	Winged Hills	50
8	Woody of Gwyntarian	Middle	Gwyntarian	49
9	Michael de Lundie	Calontir	Lonely Tower	43
10	Plachoya Sobaka	Ansteorra	Shadowlands	40

OPEN HANDBOW

Rank	Name	Kingdom	Group	Score
1	Robert Thorne	Middle	Illiton	90
2	Dolan Madoc	Calontir	Lonely Tower	58
3	Eric Morrison	Outlands	Hawk`s Hollow	56
4	Gladius the Alchemist	Middle	Cleftlands	56
5	Tymme Lytefelow	An Tir	Wyewood	50
6	Kaitlyn McKenna	Ansteorra	Shadowlands	50
7	Eustace Kilpin	Middle	Winged Hills	50
8	Woody of Gwyntarian	Middle	Gwyntarian	49
9	Michael de Lundie	Calontir	Lonely Tower	43
10	-	-	-	-

OPEN CROSSBOW

Rank	Name	Kingdom	Group	Score
1	Cirion the Left Handed	Middle	Northwoods	90
2	Robert Thorne	Middle	Illiton	90
3	Karl von Konigsberg	Atlantia	Dun Carraig	62
4	Dolan Madoc	Calontir	Lonely Tower	56
5	Gladius the Alchemist	Middle	Cleftlands	50
6	Kaitlyn McKenna	Ansteorra	Shadowlands	43
7	Tarquin the Red	Middle	Roaring Wastes	42
8	Eric Morrison	Outlands	Hawk`s Hollow	40
9	Plachoya Sobaka	Ansteorra	Shadowlands	39
10	Tarmach	Middle	Cleftlands	37

YOUTH

Rank	Name	Kingdom	Group	Score
1	Kathryn of Dun in Mara (13)	Drachenwald	Dun in Mara	59
2	((Mia Clark)) (12)	Atlantia	Dun Carraig	13
3	Keira St. Rose (9)	West	Caldarium	2
4	-	-	-	-
5	-	-	-	-
6	-	-	-	-

Spring SSAC: Armored Enemy

Society Seasonal Archery Challenge (SSAC)

Rules

This shoot is intended to simulate shooting at a field of enemies in armor, who don't go down after the first successful hit. It is shot on the Ferrara rings - steel rings 12", 10", 8", 6", 4", and 2" in diameter, frequently available from craft stores where they're sold for macrame. If you take down an enemy in an end by hitting 3 or more times, you next shoot at a "more distant" (smaller) enemy; if you fail to take him down (1 or fewer hits), you next shoot at a "closer" (larger) one.

Please read the SSAC General Rules, as these apply to all SSAC shoots. Below are the additional rules for this specific shoot.

Shoot Begins
March 1, 2018

Shoot Ends
May 31, 2018

Scores must be Submitted by:
June 7, 2018
and within 14 days of being shot.

Target

- Ferrara Rings - ie brass/steel macrame rings in the following diameters 12", 10", 8", 6", 4", 2" (30cm, 25cm, 20cm, 15cm, 10cm, 5cm)
- Paper Rings - In the case that you don't have access to the Ferrara rings, rings of the appropriate diameters, circles drawn as 3/16" thick lines (approximately the width of a normal felt-tip marker) on poster board may be substituted.
- You may mix and match between Ferrara and Paper rings at different sizes.
- Whether using Ferrara or Paper targets the space inside the ring and outside the ring should be the same color, the only aim point of a different color should be the ring itself.

Rules

This shoot is designed to be shot at a range of 20 yards. It consists of 6 ends total alternating Static and Timed. Static ends are all 6 arrows, un-timed. Timed ends are all 30 seconds, unlimited arrows. Archers begin by shooting a static end at the 12" ring (the nearest enemy) placed at a height of approximately 4' from the ground. A contrasting backing should be used for visibility, however, the space inside and outside of the ring should both be the same color, the only aim point is the color of the ring itself. The number of hits they successfully score in the ring determines both their score, and which ring they shoot at next, as follows:

- 3 to 6 hits - shoot at the next smaller ring
- 2 hits - shoot at the same ring
- 0 to 1 hits - shoot at the next larger ring, or remain at the 12"(30cm) ring

Scoring

For each end, you score the number of hits you have inside the ring, plus the ring bonus from the scoring table. You must hit inside the ring at least once to receive the ring bonus. Reminder - when using the paper rings, any arrow breaking the outside line is considered a MISS.

Ring Size	Bonus
12"	0
10"	2
8"	4
6"	6
4"	8
2"	10

WINTER SSAC RESULTS

Rules

The Seasonal Archery Challenge is a Tic Tac Toe shoot. The common kids game turned into an archery shoot.

Target

The target is nine 20cm circles arranged in a 3x3 square. You may either purchase three 'Vertical 3-spot' targets and place them side by side, such that the horizontal spacing is the same as the pre-printed vertical spacing. These targets are available from numerous retailers, for example: Amazon, Lancaster. You may also hand draw the target, the Circles should be exactly 20cm in diameter with approx 5cm between them, ie 25cm on center.

Ends

The shoot has four ends:

- 15 Yards - Untimed 6 arrows
- 15 Yards - Timed 30 seconds
- 20 Yards - Untimed 6 arrows
- 20 Yards - Timed 30 seconds

Scoring

- 1 point per arrow hitting a circle. Repeat hits to a circle count
- 5 points per "3 in a row" created by circles hit. Vertical, Horizontal, and Diagonal count. Circles may be part of more than one "3 in a row"

PERIOD HANDBOW

Rank	Name	Kingdom	Group	Score
1	Konrad von Alpirsbach	Outlands	Caer Galen	80
2	Jamil al`Wadi	Outlands	Caerthe	57
3	Ubertino Nicolai di Fara San Martino	Outlands	Caer Galen	54
4	Patrick of the Quiet Woods	Outlands	Caerthe	46
5	Alaricus Simmonds	An Tir	Dragon`s Laire	43
6	Gladius the Alchemist	Middle	Caerthe	34
7	James Llewellyn ap Gruffydd	An Tir	Seagirt	31
8	Kezia von Holzenhaus	Calontir	Lonely Tower	30
9	Gerlin	Outlands	al-Barran	29
10	Ailinn Shadowfox	Outlands	Hawk`s Hollow	28

PERIOD CROSSBOW

Rank	Name	Kingdom	Group	Score
1	Robert Thorne	Middle	Illiton	96
2	Jonathas Reinisch	Atlantia	Dun Carraig	77
3	Dolan Madoc	Calontir	Lonely Tower	67
4	Rupert the Unbalanced	East	Carillion	66
5	Michael de Lundie	Calontir	Lonely Tower	60
6	Woody of Gwyntarian	Middle	Gwyntarian	60
7	Eustace Kilpin	Middle	Winged Hills	54
8	Gladius the Alchemist	Middle	Cleftlands	49
9	James Llewellyn ap Gruffydd	An Tir	Seagirt	37
10	Josef Gustavson	Ansteorra	Shadowlands	35

OPEN HANDBOW

Rank	Name	Kingdom	Group	Score
1	Gunnarr Bogsveigir	Middle	Rivenstar	85
2	Cirion the Left Handed	Middle	Northwoods	84
3	Robert Thorne	Middle	Illiton	73
4	William McFayden	Middle	Rivenstar	69
5	Edmund Harper	East	Carillion	68
6	David St. Rose	West	Wolfscairn	61
7	Eric Morrison	Outlands	Hawk`s Hollow	60
8	Dubhghaill Mac Villa Easbaig	Outlands	Caerthe	57
9	Kenneth le Beaman	Outlands	Caerthe	56
10	Paul Stoddard	Caid	Starkhafn	56

OPEN CROSSBOW

Rank	Name	Kingdom	Group	Score
1	Robert Thorne	Middle	Illiton	107
2	Cirion the Left Handed	Middle	Northwoods	106
3	Rupert the Unbalanced	East	Carillion	79
4	Dolan Madoc	Calontir	Lonely Tower	72
5	Jonathas Reinisch	Atlantia	Dun Carraig	54
6	Woody of Gwyntarian	Middle	Gwyntarian	51
7	Michael de Lundie	Calontir	Lonely Tower	48
8	Josef Gustavson	Ansteorra	Shadowlands	34
9	Kaitlyn McKenna	Ansteorra	Shadowlands	24
10	Plachoya Sobaka	Ansteorra	Shadowlands	17

YOUTH

Rank	Name	Kingdom	Group	Score
1	Erasmus (8)	Outlands	Caer Galen	10
2	-	-	-	-
3	-	-	-	-
4	-	-	-	-
5	-	-	-	-
6	-	-	-	-

Did you know?

...that you can look up your scores?

...and anyone else's scores too?

Go to https://scores-sca.org/ and select your community of interest (either your Kingdom or interkingdom competition).

If you have selected a Kingdom, then select either "archery" or "thrown weapons" next.

The content of Kingdom scores pages may vary, but you can navigate to a variety of Kingdom information using the menu on the left side of the home page.

You can also look up a specific person!

Check it out!

Local Archery Practices

Editor's Note: This list is a work in progress. Please send your submissions and updates for local practices to qqchronicler@gmail.com, or contact me via the Quivers & Quarrels Facebook group. Quivers & Quarrels is only published quarterly, so it is highly recommended to include contact or web information along with a brief description of your archery practice arrangements. YIS, THL Sayako

Ansteorra

Northkeep

Missile practice scheduled every Sunday from noon until whenever people go home.

9737 W 61st Street S, Sapulpa, OK.74066
(918) 200-5584
Calling first is a good idea, as I may be gone to an event.

Random cook out / pot lucks. Thrown weapons practice from noon till 2pm. Children's archery practice from 1pm till 2:15pm. Adult archery practice from 2:30pm till people go home.

Submitted by Arthur Blackmoon, Baronial Missile Marshal - Barony of NorthKeep.

Cancellations: For major regional archery events and if the temperature is below 40 degrees.

An Tir

Barony of Dragon's Laire
(Kitsap County Area, WA)
Archery Practice is held at the VFW Hall on Central Valley Rd in Silverdale, weather and light permitting. The day and time of practice varies with the season. Please visit www.dragonslaire.org under the "Marshallate" tab for the most current information.

Barony of Three Mountains
(Portland, OR Area)
The Barony of Three Mountains is pleased to host archery practice every Wednesday from 6:30 PM to 8:30 PM at:

Trackers Earth
4617 SE Milwaukie Avenue
Portland, OR 97202

This is an indoor 40 yard heated range. Contact Archos Andrew Stiubhard (Baronial Archer) at archer3m@yahoo.com, or Archos Eobhan Dunbar at eobhan.dunbar@gmail.com for more information.

Barony of Wyewood
By Ikea in Renton, WA. Saturday 10am-1pm, Wed will be 4:30pm-7:30pm.
Please contact t_a_geyer@yahoo.com for more information.

Wyewood also has a Yahoo group for announcing whether practice is on or cancelled, and that is "wyewood_archery".

Tymme "Prodkiller" Lytefelow
Chief Archer, Barony of Wyewood
Arcuarius to HL Evrard de Valogne, OGGS

Summits (Principality of An Tir)

Shire of Glyn Dwfn
Archery, thrown weapons, and At'latl practices are currently the second and fourth Sundays of each month from 1pm to dusk in Shady Cove, OR. In inclement weather, we do equipment repairs and construction. As darkness falls we have a potluck dinner and socialize. Check Glyn Dwfn's website at http://glyndwfn.antir.sca.org/ for address or more information.

Atenveldt

Baronies of Sundragon and Atenveldt
The baronies practice together on Sundays at El Oso Park. This is for royal rounds and tournaments only at this time for target archery. October thru April 9 AM and May thru September 7 AM

Atlantia

A list of practices for the Kingdom of Atlantia (Maryland, North Carolina, South Carolina, Georgia, and Virginia) can be found at http://scores-sca.org/public/practices.php?R=2&

Avacal

Barony of Montengard
(Calgary, Alberta)
Archery practice is held at the Calgary Archery Centre 4855 47 St. SE Calgary, AB.

This is an indoor range space with multi distance ranges, 3d course and pro shop.

The SCA hosts practices Tuesday and Friday evenings from 6:30 - 9 pm.

capt.archers@montengarde.org
www.montengarde.org

Caid

Altavia
1st, 3rd, and 5th Sunday of every month at Woodley Park 11:30am-3:30pm

Angels
See webpage at http://www.sca-angels.org/, or contact Lady Rayne Archer of Annan at raynearcherofannan@gmail.com.

Calafia
Sundays from 10:00 am to noon, and on Tuesdays and Thursdays at UCSD Thornton Hospital from 5:30pm to 7:00pm

Dreiburgen
1st and 3rd Sundays, 10am at House Montrose in Pedley, 2nd and 4th Sunday at Paganus and Rekon's

Dun Or
Unofficial practices Mondays, 6:30-8:00pm at H&W Archery on Trevor St. in Lancaster and last Sunday of the month at 2:00 in Littlerock

Gyldenholt
Target Archery Practices are weekly on Sunday from 10:30 am to 12:30 pm at the Santiago Park Archery Range in Santa Ana, CA. Contact the Gyldenholt Captain of Archers at archery@sca-caid.org.

Lyondemere
El Dorado Park (north of Spring Street), Long Beach 7550 E Spring St, Long Beach, CA, 90815 - Sundays from 1-5; and Thursday nights from 7-9 PM at Rancho park in Cheviot Hills.

Naevehjem
At Baldwin's keep, a private residence. For more info contact jotl2008@wildblue.net

Nordwache
No Info

Starkhafn
Clark County Archery Range (6800 E. Russell, Las Vegas, NV 89112) located behind Sam Boyd Stadium/Old Silver Bowl Park. Tuesday: 6:00pm until 7:30pm (or dark) Saturday: 10:00am until noon.
Western Seas

Shire of Al-Sahid
Same as Dreiburgen

Shire of Carrweg Wen
On Hold

Shire of Darach
No Archery Practice

Starkhafn
Whitney Ranch Archery Range, 1575 Galleria Drive, Henderson, Nevada. Practices are held on Saturdays from 9:30 a.m. to 12:30 p.m.

Glenn Abhann

Shire of Pilgrims Fount
Archery and thrown weapons every 1st and 3rd Sunday from 1:00 p.m. to 5:00 p.m. at Cedar glades Park in Hot Springs Arkansas. (Weather permitting) Loaner gear is available and ALL are welcome!

We also have archery only practice indoors every 2nd and 4th Monday at One Refuge

church at 1700 Albert Pike road in Hot Springs Arkansas from 6:00 p.m. to 8:30 p.m. Loaner gear is available and ALL are welcome.

Contact us on Facebook (Shire of Pilgrims Fount/ SCA), or contact Kyle Schabel at pinniped@live.com

Lochac

Barony of Southron Gaard

Weekly practices from 2pm to 4pm every Sunday, weather permitting, on the back field of Kirkwood Intermediate.

Submitted by Darayavaush Ah.r'r. Captain of Archer for Southron Gaard and current Baronial Archery Champion, MKA Damon Daines

Meridies

Barony of Thor's Mountain
(Knoxville, TN)

The Barony of Thor's Mountain holds its practices on the 2nd and 4th Sundays, 3:30pm to 5:30pm, with reservations (no practices on weekends with Kingdom-Level Events or TM events. We post updates on our website calendar.)

Midrealm

Barony of Ayreton
(Chicago Area)

Wednesdays: 6:30PM, 7240 Madison Street, Forest Park
(708) 366-4864

Confirm with: Forester Lukas Mesmer Stoutmaker@hotmail.com

Barony of Cynnabar
(Ann Arbor, Michigan)

"Official Archery Practice in the Barony of Cynnabar is held Sundays from 2-4pm, weather permitting, at the archery range of The Honorable Lord Forester Dillon ap Dillon.

More information regarding archery in the Barony of Cynnabar can be found at our Website: http://www.cynnabar.org/archery

For all questions regarding practice dates, times, and the location of the official Baronial archery range, please contact Lady Godaeth se Wisfaest, GM, archery@cynnabar.org

Barony of Cleftlands
(Cleveland/Cuyahoga County, Ohio)

The Cleftlands is instituting two new weekly archery practices. A West side practice on Monday evenings at the Cleveland Metroparks Albion Woods archery range. I'll be out there starting at 5:00pm. We plan to shoot until dark. If loaner equipment is needed, I can bring it is if I am notified by no later than 3:00pm. An East side Tuesday evening archery practice will begin on April 21st at 5:00pm. This will take place in the back yard of Lisa Heller at 411 Douglas Blvd, Richmond Heights 44143. It will also run until dark. Loaner equipment will be stored on site, so no advance notice will be required. There will be no charge for either practice, but donations will be accepted to cover the equipment costs. These practices will continue until Autumn when the days are too short to allow us to shoot outdoors in the evening. At the date we'll return to shooting in the indoor arena in Russel.

Barony of Flaming Gryphon

Archery practice at Wildlife District 5 at 1076 Old Springfield Pike in Xenia, OH. As of November, indoors.

The Shire of Eastwatch
(Cleveland Ohio area)

The Shire of Eastwatch has archery practice every Sunday from 4:00 to 7:00 p.m. at Free Spirit Farm located at 13987 Watt Road, Novelty, Ohio 44072.
If people would like to contact us about attending, they can email me at whgkingstone@ameritech.net or they can call me at (216) 246-0085.

Our practices sessions are announced on the Facebook Pages for Eastwatch, Barony of the Cleftlands, March of Gwyntarian, Northern Oaken Archery, as well as the Eastwatch Yahoo group page. Besides archery, horseback riding is also available at Free Spirit Farm .

Shire of Mnynydd Seren
(Bloomington, IN)

When: 2:00 P.M. every Saturday
Where: Shire of Mnynydd Seren
5501 South Rogers St, Bloomington Indiana
Contact: Eogan - Baiorofred@gmail.com

Cancellations: For major regional archery events and if the temperature is below 40 degrees.

Barony of Sternfeld
(Indianapolis, IN)

Wednesday evenings 7:00 to 9:00 PM at Yurts of America, 4375 Sellers Street, Indianapolis, IN 46226.

Outdoor practices will be announced on the Sternfeld Facebook page and on the Yahoo group page. Come have some fun!

Trimaris

Barony of Darkwater
(Orange, Osceola, Seminole, and Lake Counties)

When: Darkwater archery practice
Where: 8545 Treasure Island rd Leesburg, FL 34788
Address: 8545 Treasure Island Rd Leesburg, FL, 34788
Contact: Ld Willaum of Willowbrook 352-326-0083

Notes: Practices are the second and last Sunday of the month. We do a potluck after practice if you wish to attend you are more than welcome to join in. We do ask that you bring a little something to add to the meal.

Barony of Marcaster
(Pinellas County, Florida)

All practices are Camp Soule, 2201 Soule Rd., Clearwater, FL 33759
Some loaner gear is available for folks who wish to try out the sport.

Eirikr Varghosson
Marcaster Archery & Thrown Weapons Ranger
ericfield@hotmail.com

Barony of Oldenfeld
(Tallahassee, Gadsden, Wakulla)

When: Oldenfeld Archery Practice
Where: Ox Bottom Hollow
Address: 2020 Ox Bottom Road Tallahassee, FL 32312
Contact: Jay or Jancie Ter Louw (850) 668-3807

Notes: We will practice at 3 p.m. on any Sunday that does not have an SCA event or mundane schedule conflict. Please call or email to confirm the actual dates of practices.

Canton of Peregrine Springs
(Seminole County)

When: Darkwater East Archery Practices
Where: Springdale Farms, Longwood FL
Address: Bay Meadow Lane Longwood, FL 32750
Contact: Bennett Redstone (407) 456-0077

Notes: First, third, and (optionally) fifth Sunday of the month. No practices the Sunday of a Kingdom event. Check postings on Trimaris-Archers board on Yahoo for cancellations.

Shire of Southkeep
(Miami-Dade County/Florida Keys)

When: Every Other Sunday @ 1:00pm
Where: Homestead
Address: 20420 SW 319th Street Homestead, FL 33030
Contact: Cian mac Cullough (305) 213-3732

Notes: We practice every other Sunday (weather permitting), provided there are no events or modern conflicts. There may occasionally be additional practices scheduled, depending on availability of a ranger. Please call or e-mail to confirm, or check Facebook. There are usually other activities going on for those who don`t want to shoot. Practices are potluck, and we ask that you do bring something to contribute if you can. However, if for some reason you cannot, please don`t let that stop you from coming

Shire of Trysel
(Ft. Myers)

When: Sunday @ 2:00pm
Where: Fort DeNaud Archery Range
Address: 506 Trader Road LaBelle, FL 33935
Contact: Juliana Strangewayes (239) 839-8333

Notes: All are welcome. We will practice on Sundays unless an event or mundane scheduling conflict arises. Please contact by phone or email to confirm and avoid disappointment.

West Kingdom

Barony of Eskalya
(Anchorage, Alaska)

We usually hold practice Sundays at 2pm at the public range in Kincaid Park during the summer/fall.During the winter we occasionally visit an indoor range. This year we will also be going to the Northwest Archers classes (non-sca.) We will have to use their equipment, (compounds) but at least it will be free target time.

For more information, please contact Dawn Quick at c_textrix@yahoo.com

Province of the Golden Rivers
(Sacramento Area, California)

Target archery practice is held from 10 am to 1 pm, non-event Sundays at Creekwood Equestrian Park in Elverta, CA (Sacramento area). This is an outdoor range on a horse ranch.

In addition to IKAC, Royal Round, and Seasonal shoots, we have also thrown weapons and mounted archery available, depending on interest. Some loaner gear is on-hand, more in the works.
Archers of Golden Rivers have a Facebook Group for discussion of upcoming practices and other activities: https://www.facebook.com/groups/735450109809751/

For additional information, contact our Target Archery Marshal, Brigid O'Connor, email: arcmarshal@goldenrivers.westkingdom.org

Quivers & Quarrels

Submission Deadlines

Summer 2018 Edition
May 31, 2018
(for publication June 2018)

Fall 2018 Edition
August 31, 2018
(for publication in September 2018)

Winter 2018 Edition
November 30, 2018
(for publication in December 2018/January 2019)

Spring 2019 Edition
February 28, 2019
(for publication March 2019)

Submissions, including photographs and releases, are due by the submission deadlines above. Questions about submissions may be directed to the Chronicler, at qqchronicler@gmail.com.

Advertising in *Quivers & Quarrels* is not available at this time. Questions regarding advertising may be directed to the Chronicler, at qqchronicler@gmail.com.

Submission Guidelines

All submissions require releases.

Written submissions may be of any length. Very lengthy feature articles may be broken up over two or more editions.

Written submissions must be in .doc, .docx, .txt, or .indd format. PDF files may be acceptable, but are not recommended. No other typeset formats. Document formatting for style is optional. Submissions should be minimally formatted with headings so that sections are clear. Academic-style papers with references should be submitted in MLA or APA style with all appropriate citations. Footnotes will be reformatted into endnotes, and tables of content will be omitted.

Photographs and illustrations must be submitted separately as .jpg, .jpeg., .bmp., or .ai files, though they may also be included within the text of the article to indicate placement. Photographs and illustrations of a usable file size and resolution generally cannot be extracted from .doc, .docx, or .pdf files, so the original, full-size files are needed.

In-text photographs should be a minimum of 2048x1536 pixels at 300 dpi. Full-page or cover photographs should be a minimum of 2736x3648 pixels at 300 dpi. Sizes are approximate. Photos with a resolution of 150 dpi or less cannot be used.

Questions about submission guidelines may be directed to the Chronicler, at qqchronicler@gmail.com.