



The Official Newsletter for
Southwest Bowhunters, Inc.

28th Edition

October, 2022

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The Broken Arrow

President's Message

I have been honored to be your Southwest Bowhunters President for 2022. It's almost time for our next election, please consider becoming an officer. From President to target captain will be available. It was exciting to have the opportunity to lead this club in its 30-plus year history, as we resumed meetings, seek new areas to serve, and continue our tradition of community outreach and support of all archers.



President Keith Parsels

As I talk with members and the Board, I sense a huge enthusiasm and renewal of our commitment to "Archery." Our Club offers opportunities for individual service, as well as group participation in community projects such instruction, JOAD, Explore archery. Fundraising activities that support the community include a Hunt for Charity coming up in December.

Our club's impact in the community helps create change for the benefit of many of our youth in Archery, we will be hosting the Yuma Desert Doves again this October for an evening clinic shoot. Covid-19 really had some effect on us but not as much as it could have. Sustaining our membership is critical to our success both locally and throughout Yuma. I recommend paying your dues in December for 2023. As we return to our schedule of weekly 3D Sunday shoots, and when the hunting season ends, I encourage all members to come and enjoy the fellowship and participate in Southwest Bowhunters events to serve and support our Archery community.

Shoot straight and often.

Keith C Parsels
President 2022
USA Archery Level 3 Coach



OFFICERS -

President:

Keith Parsels

Vice President:

Butch Lacey

Secretary/Webmaster:

Debbie Elliott

Treasurer:

Jessica Arnold

Range Master:

Ebb Dierdorff

MEMBERS AT LARGE:

Garth Holman

Zach Slette

Kelvin Drapeau

Bryan Hendon

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We can also be found on
Facebook, and Instagram

Meeting Minutes

May 6, 2022

Type of Meeting: General

Meeting Facilitator: Keith Parsels

Attendees: Rick Bielke, Uschi House, Butch Lacey, Keith Parsels, Debbie Elliott, Jen Wight, Kelvin Drapeau, Brent Redger, Desi Redger, Tiana Redger, Bear Rosner, Bryan Herndon, Ebb Dierdorff, Tanja Eiben.

Call to order: The meeting was called to order at 9:00am.

I. Approval of minutes from last meeting: Minutes from the last meeting were approved.

II. Treasurer's Report: Account has \$12,119.37. The Hoot Shoot raised \$280. We still have approx. \$5,000 outstanding to Rinehart for targets; we are waiting for them to bill us.

III. Open issues/Old Business:

- a. As discussed last month, Keith has been looking to purchasing a wagon to help move the bag targets to and from the range. Keith reported that the wagon would cost \$238.50 from Tractor Supply Co. Motion was made by Debbie to approve the money to purchase the wagon. Seconded by Jennifer. Motion passed.
- b. Keith reported on the status of the awards pins purchase. He went with the same vendor as the last time we needed pins, as he already had the artwork. The total cost (approved last month) came to \$630.00 for 60 each of 1st, 2nd, and 3rd place pins.
- c. Discussion was held regarding a bow raffle in the fall. Debbie reported that she has found four (4) different bow packages that are approximately \$500 ea. Desi moved that we allot up to \$500 to purchase a bow package for a raffle in the fall. Seconded by Jennifer. Motion passed.

IV. New Business:

- a. Sportsman's Warehouse wants to partner with some of our members for a 'Maintain the Terrain' work party on May 14th. They will supply the volunteer labor to help with whatever projects we need to work on. Butch suggested we have them help with painting some of the older 3D targets, such as the elk and bison. Debbie volunteered to purchase the paint and supplies. Paint will cost approx. \$42.00 per gallon, and it was estimated that we'd need approximately 3 gallons of various colors of paint and assorted brushes. Motion was made by Butch, seconded by Kelvin to appropriate the money necessary to paint the targets. Motion passed.
- b. Since there are no more organized events planned until the fall (our first shoot will be "The Haunted Canyon" shoot on October 29th), it

was agreed upon to not have any general meetings or publish "The Broken Arrow" newsletter over the summer. The next edition of the newsletter will be the October edition, and the next meeting will be held on October 2nd.

VI. Items from the floor:

- a. The new targets from Rinehart will be shipped sometime in early August. They will deliver them to Sprague's Sporting Goods, and we will pick them up there.

VII. Adjournment: A motion to adjourn the meeting was made by Debbie; seconded by Desi. Motion passed. The meeting was adjourned at 9:22am.

****Next meeting will be October 2nd****

Respectfully Submitted,
Debbie Elliott, Secretary



New Level 1 Instructors

Blythe Bowmen Officers Now Certified

On Saturday, September 10th, members of the Blythe Bowmen Archery Club came down to the Adair Archery Range to become certified USA Archery Level 1 Instructors.

The USA Archery Level 1 Instructor Certification course provides graduates the necessary tools to maintain a high level of safety on the archery range for camps and beginner archery programs. To complete the requirements for this certification, students must successfully pass the USA Archery Level 1 Instructor Certification online course and exam and register for and complete the "in-person" USA Archery Level 1 Instructor Practical Course taught by a Certified Instructor Trainer, in this case SWBH President Keith Parsells, to officially receive a USA Archery Level 1 Instructor certificate of completion.



New Blythe Level 1 Instructors (L to R): Sandy Forrest, Duane Forrest, Trent Forrest, Joanne Lacey, Bill Lacey, and Level 3 Instructor Keith Parsells.

The USA Archery Level 1 Instructor Certification online course includes information about range safety, range setup, the steps of shooting, equipment and repair, programs and lesson plans. Graduates of the course will be well prepared to teach beginner archery programs to people of all ages and abilities in a variety of disciplines.

Since the Blythe Bowmen have several young shooters in their club, it was only fitting to have on-site, certified archery instructors.



Debbie's Dissertation

Random thoughts and happenings

I used to think I knew a lot about optics. But recently, I came across this article from HuntStand.com. I now must admit that I didn't know as much as I thought I knew. This is a very thorough article that I hope you enjoy...

How to Choose Hunting Binoculars by Ron Spomer

Published: August 29, 2022 from [HuntStand](http://HuntStand.com)

Standard wisdom says a hunter should own a binocular. I say he and she should own several! But how to choose hunting binoculars?



When it comes to hunting binoculars, the choices are nearly endless. If you're in the market for new glass, start by reading these words of wisdom from a respected hunting optics expert.

A good binocular pushes a hunter toward Superman status. You won't see through buildings, but you'll see antlers and horns thousands of yards farther than you can with naked eyes alone. But with roughly 14,713 binoculars on the market in 6,000 assorted flavors at 10,000 different prices, how do you find the right one? Should it be a 6X, 8X, 10X or 15X? Will it require a 56mm, 50mm, or 30mm objective? Let's dive into the mechanics and sort this out.

Power

Most of us are dazzled by power. Why settle for a 6X magnification when we can get 12X? Because the 6X might reveal more game, that's why! Magnification involves compromises. The higher the magnification, the

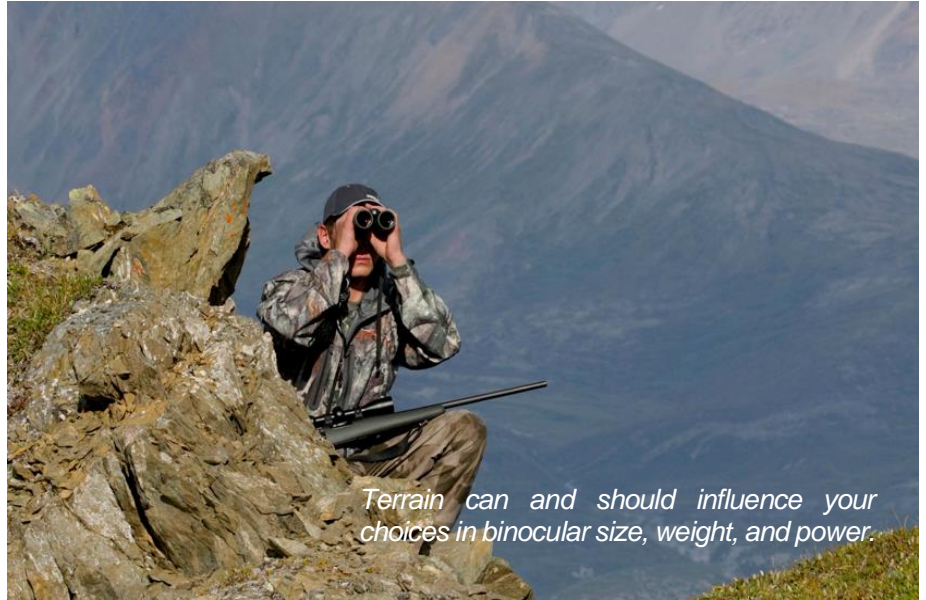
narrower the field of view. While you concentrate on that shadow behind that tree with your 12X, the world's record buck could walk out from behind another tree just outside your field of view. With the wider field of view in an 8X or 6X, you would have seen it.



Binocular size often hinges on the kind of hunting you plan to do.

Power also magnifies shake. Subtle hand tremors and twitches make the scene jump and swim so you can't get a fixed look, the steady hold for studying those antlers. Most of us find that any power above 10X requires a tripod mount in order to maximize performance. High power also magnifies any optical defects within the system. The final high-power bugaboos involve weight and bulk. What's convenient lying on your truck seat might not be when hanging around your neck. High-power instruments aren't heavy due to the power so much as the increase in objective lens diameter to match up to it. As power increases, objective lens diameter must increase, or the instrument loses too much light.

Brightness



Most of us think binoculars gather light, but they don't. They transmit it but reduce it as they do. No binocular can turn up the intensity of ambient light. The sun does that. Thus, photons reflecting off objects (like bucks and bulls) travel 186,000 feet per second to hit your binocular's objective lens. There, some are lost to reflection. What remains passes through to the prisms where a bit more is lost to reflection before hitting any mirrors (more lost). Next, that remaining light passes through the eyepiece lenses, where there's more reflection loss. Finally, the remaining light exits to hit the retinas at the back of your eyes.

So, if a binocular is always losing light, why do objects appear brighter when seen at magnification? Because a greater percentage of your retina is filled with the light reflected off them. Seeing a black bear "brighter" at 8X after sunset, is akin to seeing it better if you walked eight times closer to it.

Reflection Chaos

Now, it is true that a larger front window (objective lens) lets in more light. But if that light isn't properly controlled, your magnified view can be severely compromised due to reflection chaos. Raw glass reflects about 4 percent of light that hits it. More is lost to internal reflection as it exits. Depending on how many air-glass surfaces there are, a binocular could lose some 32 percent of the light that first reaches it, unless...



There isn't a huge difference in window size between a 50mm and 42mm objective, and magnification plays a part in light throughput, too. The blue, green and magenta hues on these lenses indicate anti-reflection coatings at work.

...unless you hire anti-reflection coatings to save the day. Or daylight. Micro-thin layers of certain rare-earth elements like magnesium fluoride can reduce reflection loss to just 1 percent. Additional layers and materials reduce it even more. This is your “best buy” to get brightness in a binocular. But check carefully. Ads claiming “coated optics” or “coated lenses” could mean just one coating on one or two lenses. “Multi-coated” could mean two or more layers on just one lens. Fully multi-coated should mean two or more layers on every air-to-glass surface. This is well worth the price. Maximum light transmission at no increase in size or weight.

Power/Objective Relationship

The other key to brightness is the power/objective relationship. A bigger objective lets more light in. A higher magnification lets less light out. You can see this as the exit pupil in each eyepiece, with the binocular held at



When your brand of hunting requires lots of looking to spot game, your binocular can be as essential as your ammo.

arm's length. You can measure this circle of light by dividing objective diameter by magnification. The answer will be the exit pupil in millimeters. This little circle of light must equal the diameter of your pupil in order to funnel all the light onto your retina. If it's smaller, the image appears darker. If it's larger, the extra rim of light just bounces off your iris. So, at 10X a 50mm objective sends a 5mm circle of light through the eyepiece. A 30mm objective yields a 3mm exit pupil. In bright sunlight your pupil will likely shrink to about 2.5mm, so a 3mm exit pupil is more than enough. But at dusk your pupil should dilate to 5mm. The 30mm objective won't match up.

This exit pupil relationship suggests you buy a binocular with a 7mm exit pupil, the maximum dilation of your pupil at dark. But the resultant bulk and weight argue against this. Do you really want a 10x70mm binocular tugging at your neck all day in order to perhaps clearly see a buck a half hour after legal shooting light? Or even an 8x56mm? And you don't have to. In the real world, a top quality, fully multi-coated 8x42 binocular—or any power/objective combination that yields a 4mm to 5mm exit pupil—should clearly transmit



Increased magnification levels don't increase binocular size so much as increased objective lenses do. Eyepiece magnification can enlarge what the basic objective passes to them. Note the rubberized twist-up eye cups.

useable images through legal shooting light and often a half hour after. On moonlit nights you can usually see deer in fields quite clearly.

Coatings Bonus

Anti-reflection coatings don't just maximize brightness; they also minimize flare and glare. Because they reduce reflections, there is less light bouncing around inside the barrel. You see this uncontrolled, reflected light as an orange haze and flare when the sun strikes the objective lenses. By



This disk of rare-earth anti-reflection minerals supplies the anti-reflection coatings applied via electronic vapor deposition.

minimizing this flare, coatings also increase contrast. This makes it easier to detect subtle differences in the color tones between brush and fur and antlers.

ED and HD Glass

Extra-low dispersion or High-Definition lenses are nice, but not a major contributor to useable performance at powers less than 20X. What they do is minimize color fringing around objects, making them sharper. However, this fringing doesn't usually become apparent until 20X. So don't pay extra to get ED glass in a binocular of less than 15X. It doesn't hurt and might help, but it's not a big deal.

“Don't make the mistake of choosing a 10X for woods hunting. There, the wider field of view of a 6X is almost magical.” --Ron Spomer

Durable, Waterproof

Virtually all binoculars are waterproof, dustproof, and fog proof these days. But to what degree? Some can be submerged to 10 feet; others just resist rain and snow. Check the warranties. Nitrogen and argon gas purging are done to push every molecule of moisture out of the instrument before sealing. This should prevent internal fogging when taking a frozen binocular into a warm room or truck.

Roof or Porro Prism?

Prism shape determines binocular shape and optical efficiency. The Porro prism includes two chunks of glass that are offset, giving the binocular an old-fashioned look, the two-stage, dogleg offset between eyepiece and objective barrels. A bit clunky, but delightfully inexpensive and surprisingly sharp and bright because Porro prisms require no mirrored surfaces that suck up some light. The wide spread of the objective lenses also increases depth perception via enhanced triangulation. Alas, this spread makes the instrument more susceptible to knockabout damage, i.e., knocked out of alignment.

Roof prisms are stacked one atop the other, so fit into a more-compact barrel with no bend or offset required. This makes for a more compact and rugged package, the prism unlikely to get bumped out of collimation. The



Binoculars vary wildly in price as well as sizes, but inevitably the old Porro prism (shown at top) can be built to top-quality optical standards, at half the price of top-quality roof prism units.

downside to Schmidt-Pechan roof prism units is light lost to the mirrors required on one surface of the glass. An Abbe/Koenig roof prism doesn't

need mirrors, but it makes a binocular longer, so isn't often used. The brightest mirrors are dielectric. Second best are silver. Poorest are aluminum. You usually have to spend about twice as much for a roof prism to match the optical quality of a Porro. That said, there are some surprisingly excellent roof prism binoculars in the \$300 price range.

Armor Up

Armor coating is nearly standard these days and well worth it, protecting barrels and housing from dents and scratches. Water-resistant external lens coatings minimize frustrating fogging, fingerprints, and light scratches. Check eye relief. It must be long enough so that your eyelashes don't smear the eyepiece glass. Adjustable-length rubber eye cups increase versatility. The pull- or twist-up styles last longer than the flexible rubber.

High-magnification binoculars should include a threaded attachment point for aftermarket adapters, for securing to a tripod. A good warranty is worth



Serious glassing with high magnification requires solid support for the binocular.

having. One that guarantees the instrument against all defects for life suggests the maker is confident the unit will last.

Your Final Assessment

Weight, bulk, optical quality, durability, "feel," and price must all be balanced. For hiking, especially backpacking in mountains, small is beautiful. Ditto travel. For last-light discovery from a blind, big is beautiful. For finding bedded animals at distance, magnification and more magnification are paramount. Excellent sharpness/resolution is critical. The 8×42 roof prisms are perhaps the most-popular size for a do-it-all hunting binocular. Many western and longer-range mountain hunters prefer a 10X. Don't make the mistake of choosing a 10X for woods hunting. There, the wider field of view of a 6X is

almost magical. Yes, 6X is more than powerful enough for picking eyes, ears, tines, noses, and legs out of forest clutter to 200 yards. Everything will look 6 times closer, so a whitetail at 100 yards will appear as if only 17 yards away. One at 200 yards will look like 34 yards.



Elk hunting can take you to big country far from the truck. Better choose the right binocular for the work you'll be doing.

To check for optical quality, compare one binocular against another in poor light, ideally low light at dusk and dawn. What looks best to you? Also, check at sundown or sunrise with the rays striking the objective. This tests flare control. Look for detail in a shadowed area toward the sun, but don't look right at the sun. The less flare and glare the better. To compare sharpness, it's best to rest binoculars on a solid surface. This lets you study small details without shake. Black ink on a standard fiberboard shipping box at 25 to 50 yards is a good test object. Which binocular reveals the smallest letters? That's the one with the best resolution. Your "best buy" might well be a waterproof, internally focused, fully multi-coated, top-line Porro prism for less than \$200.

Congratulations: now you know how to choose hunting binoculars. Happy shopping. Once you've bagged your ideal binocular, it will help you fill a lifetime of tags.

Until next month, stay safe and shoot straight.

Debbie Elliott, Secretary



Anticipation Grows as 3D Archery Season Approaches

As the weather begins to cool ever so slightly and our winter “snowbird” friends begin their trek southward, we are reminded that 3D archery tournaments will be ramping up. As always, we will still be hosting our Sunday Fun Shoots, but starting in October our club will once again host the first of our major shoots, The Haunted Canyon Night-time 3D Shoot.

The shoot will begin at sunset on Saturday, October 29th, with a shotgun start, and will feature 20 3D targets including Undead Fred and some of his Zombie buddies, dinosaurs, bats, ravens... all those scary things that go bump in the night! One (1) Arrow per Target - 12 - 10 - 8 - 5 Scoring. Three (3) Classes: Men, Women, Youth (17 & under). Awards for 1st Place in Each Division (Compound and Recurve)

Before the shoot begins, there will be a kid’s costume contest for kids 12 and under with prizes being awarded for the Scariest Costume, the Most Original Costume, and the Cutest Costume. There will be novelty targets for kids and adults, and the concession stand will be open serving hot dogs, nachos, and refreshments.

Registration will begin at 3:30 pm and run until 5:00 pm, and the shoot will start at sundown, 5:51 pm. Price: Adults \$20.00; Family \$40.00; Youth (6 yrs – 17 yrs) \$15.00; Kids 5 and under FREE. Bring your flashlights, spotlights, etc., and light up the night!!



Upcoming Events -

- **Sunday Fun Shoots (ongoing)**
Every Sunday 7 to 11am. Members \$5, Non-Members \$8.
- **[THE HAUNTED CANYON NIGHT SHOOT](#)**
Saturday, October 29th. Twenty (20) 3D targets, so bring your flashlights, spotlights, etc. to light up the night! Shotgun start at Sunset (5:51pm); registration from 3:30 to 5:00. Costume contest for kids 12 and under; prizes for Scariest Costume, Most Original Costume, and Cutest Costume. Concession stand will be open selling hot dogs, nachos, and other refreshments. Adults - \$20; Families - \$40; Youth (6 - 17) - \$15; Kids 5 yrs. and under FREE.

- **SWAMP-GOBLER TURKEY SHOOT**

Held on the morning of third Saturday of November. Registration will start at 7:30 a.m. and will have a shotgun start at 9:00am. The shoot will consist of 28 3D targets, and for those of you who like to live dangerously, a pot shot featuring the rare and illusive "Gila River Swamp Gobbler"! First place winners in each category will receive a frozen turkey for their Thanksgiving feast! Eligible for Turkey prizes:

- Senior Men's and Woman's Compound
- Senior Men's and Woman's Traditional
- Men's and Women's Compound
- Men's and Women's Traditional
- Young Adult (13 - 17 yrs) Boy's and Girl's Compound
- Young Adult (13- 17 yrs) Boy's and Girl's Traditional

1st, 2nd, and 3rd place Youth, Cub, Pee-Wee Boys and Girls will receive pins.

Price: Adults - \$20; Youth (6 - 17yrs) \$15, Kids 5 and under FREE

A portion of the proceeds go to the Yuma Community Food Bank. Don't miss out on the fun!!

- **Archery Lessons**

Ten-week class \$90.00. Classes are held on Saturday mornings. Price includes the Explore Archery medals. Join USA Archery and JOAD and receive the JOAD awards pins for qualifying scores. Open to all beginning archers ages 7 and up! We also offer lessons by the hour on Saturdays for \$10.00 per hour.



From the Hunter's Kitchen: Venison Schnitzel Cordon Bleu

Reprinted from North American Hunter -- by **BRAD FENSON**

Serves 6 - 8

Cordon bleu has its origins in Switzerland and France, as veal or pork pounded thin and stuffed with ham and Swiss cheese, which was then breaded and fried like a schnitzel. The term "cordon bleu" translates to



“blue ribbon,” a symbol of pride and success around the globe. It is a great combination that also works with venison cutlets. Rounds steaks cut and pounded thin work great, or you can use a tenderizer machine to simplify the process.

Several combinations can be generated from the original recipe, like using prosciutto instead of ham, or gouda cheese in place of Swiss. Gravy is an integral part of schnitzel, and a hunter’s gravy contains mushrooms.



Get creative, develop a signature recipe for your favorite game, and get schitzeling. The best part of this recipe is that it is quick and easy to build. It can be made with a wide variety of meats, including deer, elk, moose,

bison, wild hog, antelope, and even goose or pheasant breasts.

SCHNITZEL CORDON BLEU INGREDIENTS

- 6 venison inside round steaks
- 1 cup breadcrumbs
- 2 eggs
- ½ cup flour
- 6 slices cooked ham or prosciutto
- 6 slices Swiss cheese
- ½ tsp sweet paprika
- salt and pepper
- ¼ cup frying oil

DIRECTIONS

1. Run the round steaks through a tenderizer or cover with plastic wrap and pound with a meat mallet to make ¼-inch thick cutlets. Pat dry with a paper towel.
2. Mix the sweet paprika, salt and pepper and sprinkle the mix evenly on each schnitzel.
3. Place a slice of ham or prosciutto and a slice of swiss cheese on half of each schnitzel.
4. Fold each schnitzel in half and fix it with a meat needle or toothpick.
5. Beat the eggs together in a shallow bowl.
6. Place the flour on one plate and the breadcrumbs on another. Use ¼ of each to start until more is required.
7. Dredge the cordon bleu in the flour, dip in the egg and finish with breadcrumbs until fully coated.

- Heat the oil in a large Camp Chef cast iron frying pan. Place the cordon bleu in the hot oil on medium-high heat. Fry to brown on both sides, then reduce heat to medium for five minutes, turning once.

GRAVY INGREDIENTS

- 1 small onion, diced
- ½ cup mushrooms, diced
- ½ cup beef broth
- ½ cup red wine
- 2 Tbsp flour
- salt and pepper

DIRECTIONS

1. Remove the cordon bleu from the pan and sauté a finely chopped onion until transparent, along with mushrooms.
2. Add red wine. Bring the contents to a boil. Whisk the flour and beef broth, and add to the gravy, bringing the contents to a slow boil. Add the salt and pepper and reduce to simmer for one minute while whisking.

To make it an authentic German dish, serve with fried potatoes and onions, potato salad, vegetables, red cabbage or coleslaw.



"Do you think it's my grip?"

Volunteers Are Always Welcome

The Southwest Bowhunters Archery Range at Adair Shooting Park would not exist if it weren't for the efforts of our member volunteers. Range upkeep and improvements are made possible by the generosity of several of our club members and many local businesses who donate time, money, and materials.

Please consider volunteering to help maintain and improve our facility, and we can **ALWAYS** use help with setting up and running our tournaments. For more information on how you can help, call Keith at (928) 750-7620.



Reminder: Alcohol is NOT permitted on the range at any time. Your safety is paramount. Thank you for your cooperation!

AND...



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