

Official Publication of the NMLRA Since 1939

MuzzleBlasts

Volume 79 - No. 4 \$5.00

December 2017

THE KIT CARSON HAWKEN RIFLE

INSIDE: A RARE GLIMPSE AT HISTORY AND FRONTIER LIFE.

MAKING & FITTING MUZZLE CAPS PART TWO

SHARPE STONES: THE LURE OF ARROWHEAD HUNTING

MUZZLELOADING AFIELD **SMALL Things**

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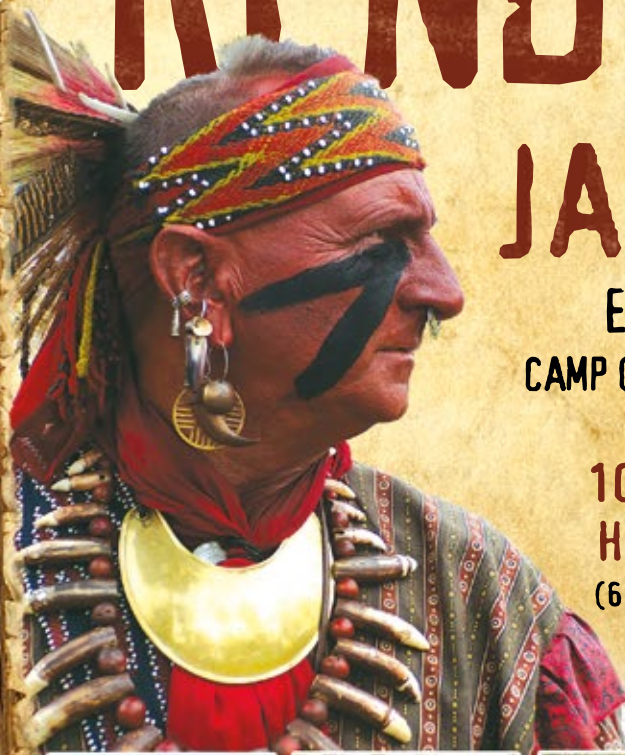
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Lee A. Larkin
Editor

Holiday Thoughts

So, tell me where this year went. It's blown by so fast my head is still spinning. Anyway, for this last month of the year, I hope you have a very Merry Christmas or a Happy Hanukkah!

Our December issue has 4 great feature articles. They include Bob Woodfill's continuing series on Hawken rifles that takes a good look at "The Kit Carson Hawken Rifle"; Fred Stutzenberger continues with the final part of "Making Muzzle Caps"; Gilbert Miles, talks about "George Frederick Augustus Ruxton's Other Rifle" which discusses a custom double rifle that Ruxton had made in England for hunting out West; and Joshua Shepherd's "The Lure of Arrowhead Hunting" finishes off our features.

As ever, don't forget to check out our regular columns: The Bevel Brothers on "Bench Rest Shooting"; John Curry and his continuing "Cumberland Chronicles"; Alan Garbers' "Web Blasts"; Al Raychard's "Muzzleloading Afield: Small Things"; and the Fulmers: Linda's "Recipe from the Rendezvous" and Jim's "Beyond Friendship." They are all full of good information, ideas, and even tastes.

At any rate, I hope this whets your appetite for this month's edition of *Muzzle Blasts*. Have a very blessed holiday season and I will see you down the road. Oh, I almost forgot: Keep your powder dry and an eye on your back trail. MB

Cover Photo Credit: The Kit Carson Hawken Rifle by Bob Woodfill, featured on pages 50-53 of this issue.

Muzzle Blasts Statement

Muzzle Blasts is your membership magazine included in the annual membership fee of \$40. Material content of the publication relates only to the muzzleloading guns, accoutrements, and historical data of that particular era. Because of the diversified approach to muzzle-loading guns, *Muzzle Blasts* is not responsible for opinions expressed by its writers, and is not responsible for mishaps of any nature that might occur from use of published data or from recommendations by any member of the staff.

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Membership fees are explained on the Association Affairs pages in this issue; \$40 is the one-year membership fee for 2017

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Muzzle Blasts (ISSN-0027-5360) is published monthly by the National Muzzle Loading Rifle Association, Maxine Moss Drive, Friendship, IN 47021. Rate of membership is \$40 per year. Periodicals postage paid at Friendship, Indiana, and additional mailing offices. POSTMASTER: Send address changes to *Muzzle Blasts*, P.O. Box 67, Friendship, IN 47021-0067.

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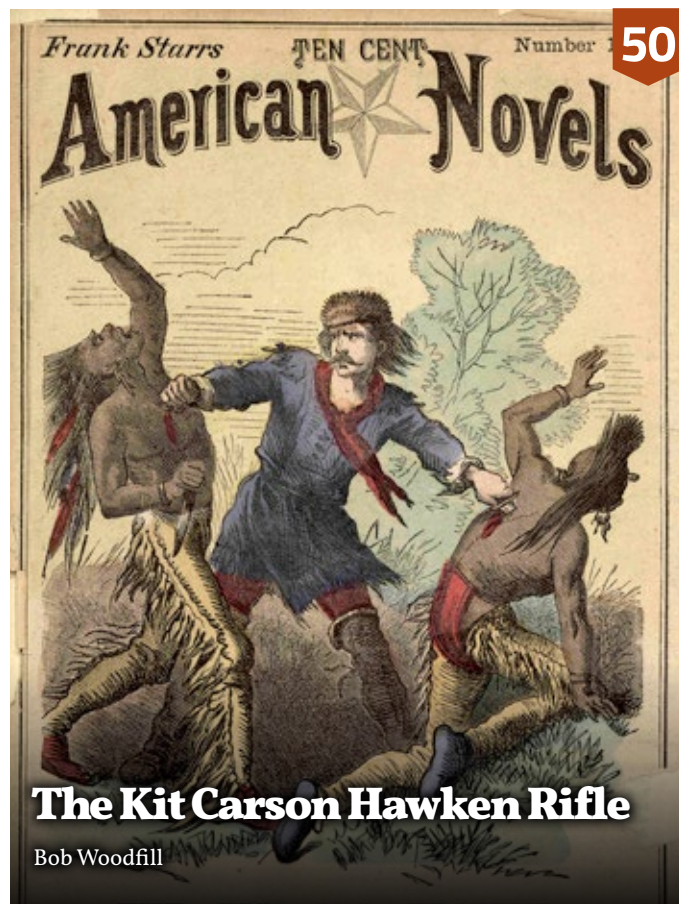
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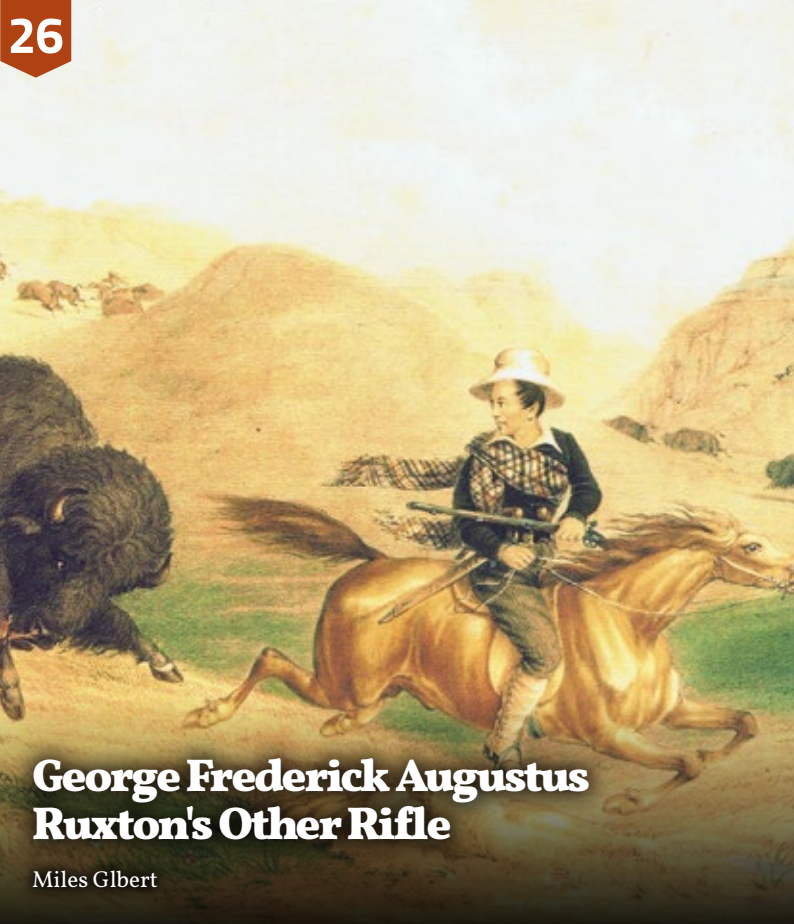
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Association Affairs

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NMLRA Platform

As an association founded upon our heritage of early American firearms, we declare our support of the Second Amendment to the Constitution of the United States.

We are dedicated to:

1. The understanding of, and the ability in, marksmanship with early American muzzleloading guns.
2. Match promotion for the purpose of advancing fine accuracy with these arms and the establishment of standard practices for competition.
3. The recognition and support for the continuing and growing interest in the added challenge of hunting with a muzzleloading gun.
4. Greater safety with all guns, especially with muzzleloading rifles, pistols, and shotguns.
5. The collecting, preservation, and recreation of antique guns and related accoutrements, and the recognition of the value of living history re-enactments.

NMLRA Mission Statement

The National Muzzle Loading Rifle Association exists to promote, support, nurture, and preserve NMLRA's and our nation's rich historical heritage in the sport of muzzleloading through recreational, educational, historical, and cultural venues such as match competition, hunting, gun making and safety, historical re-enactments, exhibits, museums, libraries, and other related programs

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PRESIDENT'S MESSAGE



Joe Hill
NMLRA President

Season's Greetings to you all.

First, I need to clarify something I said in my last President's Message about inlines. This organization always has been and will always be cognizant of our organization's history and our rich muzzleloading heritage. We will never abandon it. Our history and heritage is not going to be affected by allowing inlines in at our shooting events. Inlines constitute a tiny fraction of what is shot at national matches and, in the future, while I do hope to see more of them, I honestly do not expect to see them in attendance as a major part of our shoots.

Now, as we head into the holiday season, remember one of the best gifts to give is a membership to the NMLRA, or for an existing member, give a copy of Tom Schiffer's new book, *The History of the National Muzzle Loading Rifle Association*. It's a great read about where the Association has come from and where it currently stands. The book is available through the NMLRA office – just give them a call. They will process your transaction and ship it right out to you.

Having just returned from the NRA committee meetings in Washington, D.C., I would like to tell everyone that president Pete Brownell's message is: "Get People Pulling the Trigger." That goes for every form and discipline of shooting. Remember to bring a friend to the range - it's how most of us got started. Our partnership with the NRA is as strong as ever. It is a partnership that will continue to grow and strengthen.

While I was in Washington I was also reminded of something that I would like each and everyone of us to remember this holiday season. There are many soldiers protecting us from harm overseas and will not be with their families this time of year. Please remember them in your thoughts and prayers. I know I speak for all of us when I say, get home safe and thank you for your service. MB

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Letters to the Editor

Dear Editor,

For almost 70 of my 78 years I have enjoyed playing with all types of weapons, mostly firearms. Despite losing two collections I probably still have some. Since the late fifties I have had an interest in black powder guns. Probably Hollywood and television were my biggest influence. My first black powder rifle didn't come until the early sixties when money was real tight. There wasn't a whole lot of information on muzzleloading back then. I still own that rifle which is amazing and another story in itself. The rifle was built by a fellow named Bill Tingle. My Tingle rifle looks like a western half-stock in .45 caliber percussion. It's the only non-replica I have ever owned and probably ever will. However, it loads in the normal manor and like I said it was all I could afford at the time. I refinished it many years ago to brown and replaced the rear sight with a Hawken type. It will shoot exactly where it is aimed. I used to be able to keep it in the x-ring at fifty yards off-hand but, I couldn't do that today from a bench at half that distance.

My point is simple guys: Change is happening. Many of the wonderful organizations have decreasing members despite an increase in the population. I clearly understand with members that can't get

a handle on black guns, small pocket autos, and worse yet inline muzzleloaders. At many gun shows, that's all you see and that is where most gun owners' interest lies. Electronic devices and scopes that help hit a target 1000 yards are more and more common. I get it.

It's simple: it's in our best interest to welcome all, and accept that some people just want extra time hunting. But you know if we welcome these folks many of them will convert to traditional flintlocks, percussions, who knows, even matchlocks (that's probably pushing it!). If several old timers hadn't taken the time to show me the ins and outs of muzzleloading, I probably would have gotten discouraged and quit.

When the next time somebody shows up near you at the range with the latest scoped, stainless steel barreled, plastic stocked rifle, say hello and ask them if they would like to shoot an old fashioned gun. What do you have to lose? I said my peace and I am sticking to it.

Sincerely,

Bruce C. Bornhard

Bruce, you get it. I know a lot of other members do as well. In-lines won't save the NMLRA and traditional muzzleloaders

won't disappear from Friendship. There is elbow room for anyone in the NMLRA who stuffs their gun from the muzzle. Get them here and show them that there is more to muzzleloading than scoped, plastic and chrome deer killers.

Lee

Dear NMLRA,

Well I just had to write. I have finally gotten used to the new "color" editions of the "Muzzle Blasts" magazine. Great decision.

Just received my new membership card but I am going to keep my old paper one so in the coming years I can fondly look back.

What a great knife and sheath. It's been a long time since I've won anything from anywhere. It's going to look great lashed to my Possibles bag.

I just received my October issue and I'll be darned there is an article on a full stock Hawken rifle. I have a Colerain barrel that I recently put a breech plug on, but I just didn't or should I say haven't decided whether it will be full or half stock. Does somebody there have ESP? (LOL)

Last but not least, you know the old adage about “kicking a hornet’s nest”, well I’ve got a better adage, a more descriptive view of the in-line issue. “Hell hath no fury like a woman scorned”.

Holy T-O-L-E-D-O. It’s not Concord or Lexington with the colonist against the British it’s the battle of Friendship- and thank God, no blood shed.

Allow me to add my two cents worth. I love American history and love my recreational use of firearms (all firearms). I joined the NMLRA for history of firearms back to the 17th century. Since becoming a member I have learned so much that I didn’t know existed.

If I was asked to vote on whether to include in-lines or to banish in-lines in our association, I would vote to banish them. To me, the NMLRA represents heritage. What it was like to live and hunt, and yes, sometimes fight back in the 17th, 18th, and 19th century. I love building my rifles and really enjoy all the articles within the pages of *Muzzle Blasts* and especially the history on the flint and cap lock rifles.

Well there’s my two cents worth. I have other opinions about other issues concerning the association but I will keep those for another time.

May everyone there have a great Thanksgiving and God Bless all.

Respectfully,
Gary Fox

Dear Editor,

I just wanted to drop a line to say how much I enjoyed the September shoot at Friendship.

There were a number of firsts this September for me. This was the first Sept. that my wife Cari stayed and camped as long as I did, Friday Sept. 8 till Wed. evening Sept. 13.

She had an enjoyable time Sat. and Sun.

competing on the Tomahawk range. Thanks Melissa and Art for the time you spend running that range.

Cari also shot with me most of Monday at the table shoot. Thanks to all the folks who range officer there too.

Another first for us was attending the Banquet Dinner Tuesday evening. Lots of fun and Great Food!

And last but not the least first was I had just finished making my first bow in late July. I spent the better part of two days on the bow range and had a great time shooting with John and Ricky. I really enjoyed shooting that bow. Thanks Navio and Ron for the hours you spend making the bow range happen. Thanks Don Black for your encouragement and shooting tips.

Hope to see you all next September!

Sincerely,
Greg Hecamp

Dear Beval Up,

Thank you for your introduction on firing the open Seneca match. I really appreciate your use of the term Airborne Shuffle! I hadn’t heard that term in many years.

Back in the day, I was a proud member of the 11th ABN.DIV. in the 505 PIR and the 187 RCT (A). What outfit were you in? Drop me a line when you get time.

Take care,

Yours in Christ
George Rupp

Dear Editor,

I have a question for John Curry. He recently wrote an article about Mistress Betsy Stewart’s Remarkable Quest, and mentioned that she was looking for her sister. Would you ask him whatever hap-

(Continued on page 10.)



Letters to the Editor - continued

pened? Did she find her sister? Please tell him that my wife and I hate the suspense and hanging on in the dark.

Thank You,

Dennis and Colleen Ringlein

Dear Editor,

This is a comment concerning Al Raychard's article "The Question of In-Lines" in the July, 2017 issue. I live and hunt in Oregon which is NOT a state that allows a person to "extend" their hunting season by hunting with a muzzleloader. Participants in special muzzleloader hunts for elk or deer must apply to have their name drawn, and if you are selected, you cannot hunt in any other deer/elk hunt, be it with a modern firearm or even bow and arrow! The primary attraction of many of these special muzzleloader hunts is that harvesting either sex is legal. Incidentally, Oregon's special muzzleloader hunts were not prompted by the onslaught of in-lines. In fact, when in-line popularity began to grow, existing muzzleloader hunting regulations were amended to address trends that accompanied this new aspect of the sport. Such things as weatherproof ignition systems, pelletized powder, sabot bullets, etc. are illegal during special muzzleloader hunts in Oregon.

I happen to hunt with a traditional muzzleloader, and I attend shooting matches with the same, but I respect others, such as Mr. Raychard, whose muzzleloading activity is exclusively hunting and almost exclusively with an in-line. I belong to a small traditional club whose goals are to preserve the heritage of muzzleloading firearms in American history, to encourage the development of shooting skills, and to promote firearm safety. All of our club members shoot traditional rifles, but were it up to me, I would welcome all comers into our local club.

Mr. Raychard's figures are eye-opening if they are not just his opinion. I'm not

convinced that we owe muzzleloader hunting seasons to the in-line — at least not in my state. If the NMLRA is destined to fade away, will that be due to disagreement about in-lines? As far as I know, NMLRA offers membership to anyone regardless if they own a traditional muzzleloader, an in-line, or no muzzleloader at all. With the door open to anyone, maybe declining membership is partly due to the typical in-line user's focus being on hunting and less so on the other goals outlined in NMLRA's Mission Statement.

Sincerely,

Robert Crutchley

Dear NMLRA,

I am writing to thank you for keeping alive interests my husband has loved for many years. I was introduced to Friendship early in the life of our 47 year marriage. Our children made their first trips to Friendship in strollers and our grandchildren also each made their first trips while in strollers. Over the years we have spent many precious hours together as a family at Friendship exploring connections to our country's history and the amazing craftsmanship that is connected to it. Our oldest granddaughter won a 4-H class championship at the Kentucky State Fair with her photography exhibits of scenes from Friendship as well as a grand championship with her hand sewn leather hunting pouch. Almost all of our grandchildren have won various fair awards exhibiting things they have made from Friendship inspired crafts and photography. My husband has spent many hours refining his gun making, carving and engraving skills as well as sharing that passion with his children and grandchildren.

We often laughed that our marriage was formed over Native American artifacts and a black powder rifle. My Dad had an interest in arrowheads and other artifacts, growing up, my family spent many

weekends camping in locations where arrowheads were known to be found. The teenage boy next door also shared that passion with my dad and would frequently show up in those locations with a tent and camping gear of his own. (He was 5 years older than I, so his interest was strictly Native American artifacts, so he said). Long story short- we grew up, I went to college and Uncle Sam insisted he take an extended trip to Viet Nam. Upon his return he renewed his friendship with my dad and this time we began to take an interest in each other and fell in love. On our wedding day (before the wedding) my dad took him along to purchase a black powder rifle from an older gentlemen who had suddenly decided to sell it after many years of my dad trying to purchase it. That rifle still hangs in our home.

Sadly, our wonderful marriage ended in July when my husband lost his 2 year battle with pancreatic cancer. Not long after I received his membership renewal from the NMLRA. I decided it was only appropriate to multiply the membership by purchasing memberships for both my son and daughter and their families. As September approached, we discussed the semiannual trip to Friendship and all knew we had to make it in honor of a beloved husband, Dad, and Grandpa. As was his custom, I gave each grandkid \$10.00 to spend as they wished while we were there and watched with pleasure as they gave great debate to their purchases and bargained with vendors. They glowed with pride over their bargaining powers and were so pleased with the purchases. This was a very emotional trip for all of us, as Friendship had been such a special part of his life and one he loved sharing with his family. One of our last family outings was to Friendship last fall even though the chemo had made him so weak we had to flag golf carts to get him from place to place on the grounds. He loved visiting with old friends at Friendship and introducing them to his grandchildren.



Jeremiah & J.O. in one of his last coaching sessions at Friendship.

Our eight year old grandson, Jeremiah, has taken an interest in the tomahawk throw & archery competitions. Grandpa had bought him a competition "hawk" and spent time coaching and encouraging his interest in both events. He is also the proud owner of a "Navio" bow. We were so excited when Jeremiah won first place in the sub junior turkey hunt & Shawnee harvest hunt on the archery range and improved his scores with his "hawk." Being the typical grandmother. I

showed up at the awards ceremony with my camera ready for the excitement, but wishing Grandpa could be there to see it. You can only imagine my amazement when Jeremiah opened the box with his medal and there sat a beautiful blue arrowhead with the medal. We later learned that Ron had made it from a mason jar and had decided to include some with the awards. Ron couldn't have known how precious that arrowhead in Jeremiah's box would be to me. I don't



A proud winner!

believe in messages from the grave, but God has surely used special volunteers to help us feel close to a special man in our lives.

We look forward to many more trips to Friendship and while there will always be an empty place in our hearts on these trips I know that my husband would be proud that his interest will live on through his children and grandchildren. Thank you to the many volunteers who give of their time and talents to make it possible for this legacy to live on.

Sincerely,

Judy Burkhead

What a beautiful letter Judy. You remind us all of what an amazing place Friendship is and of the remarkable people who come here.

Lee

MB

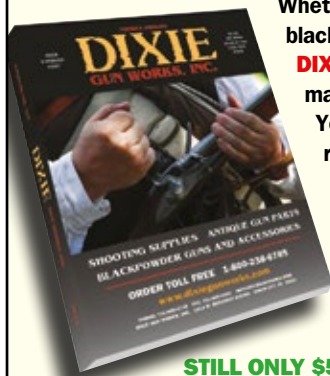
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CUMBERLAND

Chronicles

By John Curry

PART TWO

Abandoning the Nathan McClure trail, we meandered for a short distance backward, down the ridge and against the grain. This led us straight through the woods along the northern rim of our recently acquired holler, paralleling that nameless, rowdy, diminutive creek which ran some twenty feet directly below. There, maybe forty yards in front of us stood the prettiest little rockhouse you ever saw in your life. Ken and Ron had never been here before so our first few moments were spent in a sort of silent wonder and admiration – looking... imagining... visualizing. Soaking up to the best of our ability, everything our eyes and our senses beheld. That same spellbound, awestruck manner is (I should suspect) how human beings have come into and claimed places such as this for eons – certainly how a small party of three long hunters would have discovered

and settled themselves into an inviting, comfortable looking rockshelter on Cumberland River in February of 1764.

By and by we all wandered underneath our new home-away-from-home's great stone ceiling to begin the process of establishing a suitable lodging. Not being the largest rock overhang I'd ever seen, we had a roof which as I recall, extended outward from its base for maybe twelve to fourteen feet. Plenty enough room for us though. The day, at this late point in the afternoon, was magnificent with hardly a cloud in its azure blue sky. The sporadic, intermittent breezes were light – most commonly out of the north and west. Nevertheless, we all three had seen magnificent, seemingly peaceful afternoons much like this one, degenerate into horrendous evenings, brandishing high winds, brilliant,

His hoppus and trail gear lain aside, Ron Hansgen stands within our recently acquired rockhouse, not unlike a 250 year old ghost - wordlessly, silently admiring the spectacular view.





"An almost unending series of miniature waterfalls laced this steep graded, swiftly flowing brook; making our water gathering chores even easier than we had hoped."

jagged bolts of lightning and insane, all night long, torrential rainstorms. Keeping those pleasant thoughts in mind, we all determined to position our various sleeping quarters snuggled as close up against that massive, inner wall as we possibly could. And so, with no time to lose - it rather urgently began. Hurriedly dropping hoppuses, haversacks and trail gear onto the level rockhouse floor, everyone realized time was running short and there wasn't a whole lot of daylight left to spare.

O.K. then my lads, first things first – water and wood: We were very fortunate to have such a fine, hard running creek immediately below our newly claimed residence. Twenty steps down the holler and all the icy cold, impeccably clean water we could use patiently awaited us. An almost unending series of miniature waterfalls laced this steep graded, swiftly flowing brook; making our water gathering chores even easier than we had hoped. Pretty much all a fellow had to do was kneel down close beside one of those attractive little cataracts; hold his pot or cup or whatever underneath it and boom, there's a full, container of crystal clear water. Getting back up the ridge was however, a bit trickier proposition. The floor of this entire area had been long, long ago, covered over by an uninterrupted, remarkably profuse carpet of slick, dry leaves with the holler itself possessing rather a serious, unpredictable, rock-strewn incline. Keeping to one's feet sporting a pair of slippery soled, leather moccasins while balancing a

full-to-the-brim copper pot in one hand plus an unsteady, tin cup of water, haphazardly rested upon the other could (in the blink of an eye), unleash shall we say... curiously exuberant shenanigans, spontaneous capers and regrettably impromptu "Virginia Reels" - much to the amusement of any nearby, semi-interested onlookers. This being the case, a lad was very much encouraged to watch himself and most particularly his footing, whenever he ascended that dadburned hillside.

Collecting our firewood was a much less noteworthy task... Appearing as though no one had indeed camped here since 1764, excellent, high-quality squaw wood was to be found literally everywhere we looked. For those who aren't familiar with the term; "squaw wood" is a period phrase used to designate various sized lengths of sticks, limbs, broken saplings, heavy brush, partially shattered branches, etc. which have fallen toward the forest floor for one reason or another, but never actually make it to the ground. Originally a Native American expression, what we refer to as squaw wood tumbles downward only to become lodged in the lower boughs of young trees or maybe atop an impenetrable layer of conveniently positioned underbrush. Now this wood is of course, dead but it's not allowed to rot – at least not in the usual connotation of the word. Instead (suspended up off the moist earth as it is), it essentially cures and air dries, much like the firewood you use in your own homes. Squaw wood produces a flame quicker and burns



Ken Hill nimbly breaks a fairly husky length of well-seasoned squaw wood into several smaller, more manageable sized pieces.

longer, creating a mere fraction of the smoke associated with that punky, half-rotted wood found lying directly on the ground. In places where anyone camps – anyone at all, this precious commodity has been pretty much cleaned out and used up, making it nearly impossible to find. Here however... all around our little rockhouse encampment, this rather atypical type firewood was to be easily obtained just about everywhere we looked.

As a result, our wood gathering tasks were pleasantly accomplished with each man setting out through the forest in a haphazard, daisy petal fashion, collecting immense armloads and bringing them back into camp. Approximately twenty minutes to half an hour later; we had more firewood than we could possibly use. Procuring a number of larger branches hovering around ten to fifteen feet in length; the trick now became to reduce them to a more efficient, “burnable” size. This would normally be accomplished via our trusty tomahawks, along with a little sweat and a great deal of elbow grease. Thankfully, my ever-observant, highly resourceful trail pard, Ken Hill provided us with a much faster and simpler solution: Close-by the far southwestern corner of our rock shelter, a gigantic, wedge-shaped, limestone boulder lay deeply imbedded in the ground. Its sharp, pointed edge sticking straight up in the air, having

the entirety of its exposed, triangular configuration maybe two and a half feet in height by an approximate eight to ten feet long. (Big ‘ol rock, huh?) Firmly grasping these longer, ungainly branches with both hands, Ken swung them downward upon the stony edge of that great rock in a mighty arc, not unlike a sledge hammer; effectively breaking the dry, brittle wood into perfectly sized, eighteen/twenty-four inch segments with little to no effort. Hmmmm... Duly recognizing Ken’s blatant success, Ron and I happily joined the party. A brief game of “monkey-see, monkey-do” and that robust, overflowing woodpile was an impressive thing to behold.

Wood and water now fully taken care of; our collective attention soon turned toward the notion of satisfactory sleeping arrangements. Enormous hemlock trees and huge, unbroken groves of leafy, fifteen foot tall rhododendron fairly covered this entire region. Always an invaluable foundation for one’s backwoods bed - the plush, hemlock boughs rather interlace amongst the curly, twirling rhododendron branches forming a springy, hopelessly entwined “mattress” of sorts, in which the more you lay on it and roll around on it, the more hopelessly entwined it becomes. Additionally; as I previously mentioned - the ground was literally sheathed by a dense, eight/ten inch mantle of soft, cushiony leaves, to



A view of Ken's thick, plush, nicely insulated and quite comfortable, 100 percent moss bedding.

be employed for extra, supplementary volume, warmth and padding. Bottom line - we were truly blessed... This whole area quite happily provided us with a more than ample supply of high quality bedding materials. In no time flat, my dear friend and longtime trail pardner, Ron Hansgen had established a comfortable looking, four foot wide, by seven foot long, by roughly fourteen inch high pallet upon which he immediately positioned his sturdy woolen blanket – properly folded, neatly tied at both ends and ready for the coming night. I followed suit shortly thereafter, with my own version of this tried and true, primitive style bedchamber.

Notwithstanding, Squire Ken Hill (clever frontiersman that he is), had completely different aspirations. Spying great sheets of four to six inch thick moss flourishing hither thither and yon along the forest floor as well as atop no few of the great boulders which dotted our rugged landscape, 'ol Ken concluded that it might just be possible to employ this supple, pillow-like, natural phenomenon to manufacture his own, ultra-comfy, sleeping quarters. Deftly removing broad, elongated expanses of moss from the contiguous, surrounding landscape, Squire Hill fashioned himself a large, roomy pallet of maybe twelve to fourteen inches in depth, using nothing but that strong, resilient, amazingly spongy stuff. In the days to come, Ken told me he'd never slept on such a comfortable bed in his life! He went on to say the moss acted more like our modern-day, twenty-first century, memory foam with its insulation factor from the bitter cold ground being absolutely astounding. (Lucky guy... why didn't I think of that.)

The sun now passing somewhat below the far western horizon - the sky that peculiar color of milk one occasionally sees during this time of day, whenever the atmospheric

conditions are just right; I determined to go on ahead and build us up a nice inviting, council fire. Prowling round about our campsite I searched through the nearby underbrush and low-hanging tree limbs. My objective - the teeniest, tiniest, dead stems and shoots I could locate as well any brittle, wispy, needle-thin brushwood having died and subsequently been caught up amid the lower canopies of our adjacent, still living undergrowth. Practically speaking, this sort of light, flimsy vegetation can be found everywhere; so collecting an armload or two was accomplished about as soon as it was thought of.

Coming back to our recently constructed, stone lined fire pit; I dumped all my delicate kindling close in beside it, pulling out a smallish hunk of charred punkwood, along with the trusty flint and steel from my battered, old fire-starting kit. A couple of good whacks with my flint and steel yielded an assortment of orange/red glows springing to life on the sooty, blackened face of the punk. Burying this in a substantial nest of those diminutive, feathery thin twigs and methodically blowing on the steadily intensifying embers; a tenuous, barely perceptible flame quickly arose, becoming stronger and stronger by the second. With that slight bit of encouragement effectively received, I promptly broke up all the remaining smallish, undersized tinder, tossing it upon my growing blaze and watched as the ruddy crimson flames suddenly leaped and danced into the air.

Immediately in front of me lay our bountiful, precisely broken up pile of firewood in which we had by design, deposited the smaller, more insignificant sized limbs and branches as close in toward our firepit as possible. Snatching a handful of these ramrod width sticks; I sagaciously positioned them within that miniature inferno at the various points where I felt they would do the most good. Our fire now firmly commenced, I began to insert gradually larger and larger pieces of firewood at will in a more or less, traditional style, log cabin or "box" configuration. Directly a warm, cheery, campfire burned, crackled and brightly glowed where just moments ago, stood nothing but the cold, damp, earthen floor.

Having the lion's share of our nocturnal chores finished up with the camp itself looking the way it basically should; we figured sticking something in our bellies right about now might be a pretty good idea. Deep in bear country as we were, you never want to bake or roast or fry anything directly in your camp. That sort of pleasant aroma draws bears like bees to honey. Cooking raw meat in addition to



Author coaxes our evening fire to life.

baking journey cakes, rockahominy and other backwoods delicacies creates wonderful smells which just sort of “waft” throughout the forest, enticing every bruin in the neighborhood to come on over and see what’s for dinner. In order to avoid such an awkward, not to mention embarrassing encounter, standard procedure is to create a cooking camp, roughly 150 yards away. You cook there. You eat there. Any uncooked/uneaten food remains there; securely tied at least ten or so feet up in a tree – preferably on a skinny, flimsy limb; hanging twelve to fifteen feet away from its trunk, give or take.

Understanding our historic predicament (to wit: we were a very small party, moving swiftly downriver; attempting to traverse a lot of ground in an extremely short period of time); my trail pards and I had earlier determined to make life a bit simpler by more or less killing two birds with one stone... First off, the bear problem: Per the scenario, we reckoned our particular state of affairs was – traveling so rapidly as we were, we had no time to hunt. (Makes sense...) Our leader, Capt’n Walden had not sent us out on a hunting trip – he’d sent us downriver to explore and reconnoiter as much of this vast, lower Cumberland territory as we were physically able to cover - for the future

good of the company. Steadfastly fixing this primary assignment in our minds, we brought along only foodstuffs which required no cooking, such as venison jerky, parched corn, ship’s bread and black walnuts. Hence... no frying/roasting/cooking smells emanating from anywhere near our encampment.



Our humble assortment of trail-worn pots, cups, etc., gurgles and steam amidst the hot, glowing coals.

Secondly, the convenience factor: Our eating area itself (which quite obviously involved no roasting, frying or baking activities) could now be more safely positioned much closer and thereby much handier to our campsite. Say, a mere fifty/seventy-five yards away... Half the distance of a regular cook camp, incorporating a quick, teensy weensy fire (for hot drinks only) with all uneaten food, empty food sacks, etc. left there and tied up in the surrounding trees as usual; bringing back to camp nothing but a trifling supply of coffee and tea. Granted, this was all a bit of a change from our normal routine. We'd been out here on the upper Cumberland and further northward upon the Rockcastle many times with larger parties - and had always established traditional, "bear country" style, cooking camps. The uniqueness of our situation however (one that we felt played out tolerably well with the business we were indeed supposed to be about), rather lent itself to this subtle and most amiable change in protocol.

Sometime later on into the night. Supper long over, with a curious miscellany of fire-blackened pots, cups, etc. working away

on that third or fourth round of welcome, piping hot coffee or strong, mahogany red, bohea tea; the inky black, starry sky had totally enveloped our forest. Talk turned (as it always does among my breed) to detailed accounts of grand, previously experienced, hunting adventures and lengthy, arduous forays into massive, drop-dead gorgeous tracts of virginal looking wildernesses, along with an array of unforgettable occurrences taking place therein. I have to believe that way out here, upon the post-French & Indian War era, upper Cumberland frontier; simply amazing, lively, animated, hunting/exploratory oriented conversations much like ours were a routine and ordinary occurrence. Can you imagine?! Walden and all those fine, stalwart lads from 1764... Lindsay and his five man party of South Carolinians in '67... Knox, at the helm of a huge, twenty man company with all their horses and dogs in '69... Wouldn't you like to have been a little mouse perched up on a keg or a bale in one

of their station camps? Son! The stories they could've told.

Comfortably reposed close in around that energetic, vigorously burning fire; the interior surfaces of our cozy rockhouse served us quite admirably in the capacity of a giant, makeshift reflector wall, radiating a noticeable degree of heat, not only toward the three of us but also those few, additional, all-important feet back to our respective bedrolls as well. This was just what we'd guesstimated and rather a good thing too, because outside our diminutive rock shelter, the temperature had dropped like an anvil making the difference between our sleeping quarters and a mere two/three, icy cold yards beyond, markedly conspicuous. (Yet

another of the many incidental benefits associated with camp-life in a rockhouse.) Outside - that star filled, cloudless sky was not surprisingly, sucking every last bit of heat from our steep walled holler and sending it straight up into the heavens above. Inside our little rock clad, natural shelter - we were snug as three bugs in a rug...

One by one, an overpowering weariness peacefully enfolded

our cognizance. The day had been a long, strenuous and eventful one. Building up our serenely mesmerizing blaze one more time before turning in; I in due course, stepped back to my own worn out, hole encrusted, old bedroll lying atop its luxuriant mound of hemlock, rhododendron and light forest brush, sliding down into its heavy woolen folds. The winter-forest night was quiet as a tomb. No sound but the crackling fire broke that intense silence. Gazing upward toward the great stony roof of our temporary abode, I marveled for a moment (as I drowsily presumed other humans from centuries ago had themselves done) and slowly drifted off into a pleasant, dreamless sleep. MB



John studiously places a few more logs on the fire before retiring to his subtly beckoning bedroll.

to be continued -



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- **Muzzle Blasts** Members of the NMLRA receive Muzzle Blasts, the monthly membership publication devoted to all aspects of the muzzleloading sport.
- **Scholarship Program** The NMLRA sponsors a scholarship program for its members and their dependents.
- **National Competitions** With your NMLRA membership card, you have the opportunity to attend two national championship matches in centrally located Friendship, Indiana. And if a Western climate is more to your liking, the NMLRA holds its Western National Shoot in Phoenix, Arizona during the winter months.
- **Muzzleloading Education** Members of the NMLRA can take advantage of the association's Muzzleloading Education Program.
- **Charter Clubs** The NMLRA has over three hundred muzzleloading charter clubs across the country, each with its own schedule of events and range times.
- **National Range** The Walter Cline National Range in Friendship, Indiana, is open to NMLRA members who wish to shoot—whether it be for a day or a weekend, because camping facilities are available at the range.
- **Territorial Competitions** Thirty NMLRA-sponsored territorial matches are held throughout the United States, and your NMLRA membership card allows you to participate in these events.

Raymond Sanders, Jr. (1926 — 2017)

Raymond Sanders, Jr., 91, of Versailles passed away at 2:45am Sunday, October 1, 2017 at the Manderley Health Care Center in Osgood. He was born at Waynesburg in Lincoln County, Kentucky on September 9, 1926, the son of Raymond Sr. and Lula Mae Oaks Sanders. He was married to Kathy Smith on February 14, 1988, and she preceded him in death on September 22, 2008. Survivors include two sons Dennis (Lisa) Sanders, and Mike (Evie) Sanders both of Versailles; two daughters Linda (Charles) Shockey of Indianapolis and Patricia Renfro of Batesville; one step-son Kevin (Cindy) Oleckniche; 15 grandchildren, 25 great-grandchildren, and one great-great-grandson. He was preceded in death by his parents, his wife Mary Black Sanders, and his sisters Bessie Weaver, Mary Jewell Lay, Lillian Jacobs, Lou Ellen Geabes, and Dorothy Burress.

Ray and his brother-in-law, George Geabes, founded Service Central in Versailles, and Ray was also a former employee of



Reynolds Gas and Empire Gas. For over 50 years he was a Special Deputy for the Ripley County Sheriff's Office. In this capacity, Ray's time was spent working security for South Ripley basketball games, after game dances, and the Pumpkin Show. Through the years this enabled him to make many friends among the students and teachers. He also worked security for the NMLRA in Friendship. Ray was a member of the Versailles Baptist Church, Versailles American Legion, 40 & 8, the NRA, and the NMLRA. MB

Last Relay

We regret to report the death of these fellow members.
The Association extends its condolences to their families and friends.

MARILYN S JOHNSON

ILLINOIS

NORMAN WHITEHURST

RHODE ISLAND

DONNELL C MARLIN

INDIANA

PATTY OSSELAER

INDIANA

JUDY LUCIANO

FLORIDA

GENE GRIFFIN

ILLINOIS

MILLIE LOUGHRIGE

ARIZONA

OLIVER SOLT

PENNSYLVANIA

JAY CHAMPE

COLORADO

LARRY DIESE

KENTUCKY

R HARRIS YOUNG

ILLINOIS

FRANCIS A MARINANGELI

ARIZONA

J D BIGGS

ARKANSAS

RAYMOND SANDERS

INDIANA

DON EICHENBERGER

ARIZONA

RONALD KELLER

INDIANA

WALTER CLINE RANGE

YEARLY EVENTS & ALTERNATE RANGE USE CALENDAR

JANUARY

JANUARY 13-14, 2018

BLANKET SHOOT; CONTACT: "MINGO" MINGS, (812) 546-5063 AFTER 6:30 P.M.

MARCH

MARCH 17 & 18, 2018

MIAMI LONG-RANGE BLACK POWDER CARTRIDGE KNOCKDOWN SILHOUETTE MATCH; CONTACT: MIKE HOKE (812) 662-6403, MHOKE45100@FRONTIER.COM

APRIL

APRIL 20, 21, & 22, 2018

PISTOL MATCH; CONTACT: RUSS COMBS (317) 839-8273, RUSS4065@SBCGLOBAL.NET; LOU HELSEL (513) 724-1207, LHBOWL@FUSE.NET OR LHELSL@FUSE.NET

APRIL 21 & 22, 2018

MIAMI LONG-RANGE BLACK POWDER CARTRIDGE KNOCKDOWN SILHOUETTE MATCH; CONTACT: MIKE HOKE (812) 662-6403, MHOKE45100@FRONTIER.COM

APRIL 27, 28, & 29, 2018

LADIES FRIENDSHIP CIRCLE RENDEZVOUS; CONTACT: MARCIA KELLAM (812) 581-8971, MAKELLAM@HOTMAIL.COM; JUNE PATTEERSON, (812) 667-0146, ZIPRUDI@GMAIL.COM

APRIL 28 & 29, 2018

NMLRA NATIONAL WOMEN'S WEEKEND CONTACT: KYRA BAXTER (812) 344-0690, JBAXTER87@GMAIL.COM.

APRIL 30 - MAY 4, 2018

ENGRAVING CLASS BY JOHN SCHIPPERS; NMLRA EDUCATION BUILDING; CONTACT: NMLRA OFFICE (812) 667-5131, WWW.NMLRA.ORG

MAY

MAY 5, 2018

INLINE OFFHAND FUN SHOOT; CONTACT: MIKE WEISSMANN (513) 382-1013, SODGPA@FUSE.NET; STEVE CHAPMAN (260) 347-2573, CHAPMANSK40@YAHOO.COM

MAY 6, 2018

NMLRA 22 FUN SHOOT; CONTACT: MIKE WEISSMANN (513) 382-1013, SODGPA@FUSE.NET

MAY 11, 2018

NMLRA M5; CONTACT: BOB WETZLER (812) 689-6629, RBRTWTZLR@AOL.COM

MAY 12, 2018

NMLRA INLINE HUNTER MUZZLELOADING MATCH; CONTACT: BOB WETZLER (812) 689-6629, RBRTWTZLR@AOL.COM; DAN THOMAS (812) 212-0954, DTH1000@YAHOO.COM

MAY 18, 19, & 20 2018

PISTOL MATCH (MAY 20TH IS THE PISTOL WIENER

WORLD CHAMPIONSHIP); CONTACT: RUSS COMBS (317) 839-8273, RUSS4065@SBCGLOBAL.NET; LOU HELSEL (513) 724-1207, LHBOWL@FUSE.NET OR LHELSL@FUSE.NET

MAY 19 & 20, 2018

NMLRA/NRA REGIONAL LONG-RANGE BLACK POWDER CARTRIDGE KNOCKDOWN SILHOUETTE MATCH; CONTACT: MIKE HOKE (812) 662-6403, MHOKE45100@FRONTIER.COM

JUNE

JUNE 9-17, 2018

NMLRA SPRING NATIONAL SHOOT; CONTACT: NMLRA OFFICE (812) 667-5131, NMLRA@NMLRA.ORG, WWW.NMLRA.ORG

JUNE 23 & 24, 2018

MIAMI LONG-RANGE BLACK POWDER CARTRIDGE KNOCKDOWN SILHOUETTE MATCH; CONTACT: MIKE HOKE (812) 662-6403, MHOKE45100@FRONTIER.COM

JULY

JULY 14-15, 2018

NMLRA YOUTH SHOOT; CONTACT: JEFF OR KRISTY NUNN (317) 862-1604; KNUNN1604@YAHOO.COM

JULY 20, 21, & 22, 2018

PISTOL MATCH; CONTACT: RUSS COMBS (317) 839-8273, RUSS4065@SBCGLOBAL.NET; LOU HELSEL (513) 724-1207, LHBOWL@FUSE.NET OR LHELSL@FUSE.NET

JULY 21 & 22, 2018

MIAMI LONG-RANGE BLACK POWDER CARTRIDGE KNOCKDOWN SILHOUETTE MATCH; CONTACT: MIKE HOKE (812) 662-6403, MHOKE45100@FRONTIER.COM

AUGUST

AUGUST 11 & 12, 2018

NATIONAL FAMILY FUN SHOOT; CONTACT: BOB WEAVER (574) 876-1065, BWEAVER@ANCHORCONSTRUCTION.COM, WWW.NMLRA.ORG

AUGUST 17, 18, & 19, 2018

PISTOL MATCH; CONTACT: RUSS COMBS (317) 839-8273, RUSS4065@SBCGLOBAL.NET; LOU HELSEL (513) 724-1207,

LHBOWL@FUSE.NET OR LHELSL@FUSE.NET

AUGUST 18 & 19, 2018

NMLRA LONG-RANGE BLACK POWDER CARTRIDGE KNOCKDOWN SILHOUETTE MATCH; CONTACT: MIKE HOKE (812) 662-6403, MHOKE45100@FRONTIER.COM

AUGUST 25, 2018

NMLRA 22 FUN SHOOT; CONTACT: MIKE WEISSMANN (513) 382-1013, SODGPA@FUSE.NET

AUGUST 26, 2018 STARTS AT 9:30AM

INLINE OFFHAND FUN SHOOT; CONTACT: MIKE WEISSMANN (513) 382-1013, SODGPA@FUSE.NET; STEVE CHAPMAN (260) 347-2573, CHAPMANSK40@YAHOO.COM

SEPTEMBER

SEPTEMBER 8-16, 2018

NMLRA NATIONAL CHAMPIONSHIP SHOOT; CONTACT NMLRA OFFICE (812) 667-5131, NMLRA@NMLRA.ORG, WWW.NMLRA.ORG

SEPTEMBER 22 & 23, 2018

MIAMI LONG-RANGE BLACK POWDER CARTRIDGE KNOCKDOWN SILHOUETTE MATCH; CONTACT: MIKE HOKE (812) 662-6403, MHOKE45100@FRONTIER.COM

OCTOBER

OCTOBER 5, 6, & 7, 2018

NMLRA BOY SCOUT CAMPOREE; CONTACT: DOUG GALBRAITH (513) 379-8963, DJGNRG@AOL.COM REGISTER ONLINE AT NMLRA.ORG. VOLUNTEERS NEEDED

OCTOBER 20 & 21, 2018

MIAMI LONG-RANGE BLACK POWDER CARTRIDGE KNOCKDOWN SILHOUETTE MATCH; CONTACT: MIKE HOKE (812) 662-6403, MHOKE45100@FRONTIER.COM

NOVEMBER

NOVEMBER 3, 2018

NMLRA MEAT SHOOT; CONTACT: "MINGO" MINGS, (812) 546-5063 AFTER 6:30 P.M.

NOVEMBER 10 & 11, 2018

MIAMI LONG-RANGE BLACK POWDER CARTRIDGE KNOCKDOWN SILHOUETTE MATCH; CONTACT: MIKE HOKE (812) 662-6403, MHOKE45100@FRONTIER.COM

ALTERNATE RANGE USE INFORMATION

The following is the basic information for sponsoring an event on the Walter Cline Range in Friendship, Indiana. To schedule an Alternate Range Use Event contact the NMLRA Office at (812) 667-5131.

Charges for NMLRA Members \$5.00 for first day, \$2.00 per day thereafter per registered participant. Camping fees are included for NMLRA members only. Insurance also included for NMLRA members. Charges for Non-NMLRA Members \$6.00 for first day, \$3.00 per day thereafter per registered participant. Camping fees will be charged at the then-current rate. MB

MUZZLELOADING



Al Raychard

A FIELD

SMALL things

When it comes to hunting I'll be the first to admit I get more excited and put more time and effort in hunting big game than small. Members in my household hunt primarily to put meat on the table, and to put it bluntly you get more for the table from a whitetail, bear, or elk than you do a squirrel, rabbit, or game bird.

But as the big game seasons in my neck of the woods end for another year in mid-December with the closing of the muzzleloader deer season, my attention turns to smaller challenges, and I still enjoy it, and spend free days in the pursuit. I suppose it goes back to my youth. Like most hunters, the first critters I ever hunted were squirrels and rabbits and such. Way back then, it seems everyone I knew hunted small game, and nationally the hunting of small game was as nearly as popular as hunting big game. In some parts of the country it actually drew more hunters to the woodlands each fall. But things seem to be changing.

According to a recent National Survey of Fishing, Hunting and Wildlife-Associated Recreation, compiled and published by the U.S. Fish and Wildlife Service every few years, the number of small game hunters in the U.S. has declined by about 17 percent. Interestingly, the number of overall hunters has increased from just over 13 million to just under 14 million, most likely due to increased whitetail deer and turkey populations in the eastern regions of the country, expanded hunting opportunities for those species and new muzzleloader and archery technologies which started hitting the market in the early 1980s, when interest in small game hunting probably peaked.

Other reasons for the decline include loss of small game habitat to development. Unlike deer and turkeys some small game species, especially upland birds, have more difficulty, or cannot adapt to habitat change. Some species are also cyclic and during years or periods of low production and availability hunter participation declines. Another factor could be the Baby

Boomer Generation, myself included, were brought up in more hunting households and continue to hunt as adults compared to Generation X, who are more interested in big game.

Despite declining numbers small game hunting isn't doomed to oblivion, far from it. Many hunters, Baby Boomers and Generation Xers alike, may not partake of the opportunities available as we once did or should but millions of us do, and in some quarters the hunting of small game is as popular as ever, a rite of passage and tradition bound to continue. And there are



Ruffed grouse and other game birds offer a challenging and exciting late fall and early winter hunting opportunity in many jurisdictions.





good reasons why I say that with such certainty.

For one, there is plenty of opportunity. Hunters should check their state regulation summaries for exact season dates but most small game seasons are long, in many jurisdictions starting in early fall and continuing into the New Year, on some species right through winter. The snowshoe rabbit season in Virginia and cottontail season in Ohio stay open until February 28, and in Michigan and my home state of Maine, the snowshoe hare season remains open until March 31. Squirrel seasons in most states are generally long as well, as are the seasons on a number of other species. Along with that, daily bag and possession limits are also generous on most species.

Hunting small game also provides an additional opportunity to get outdoors. The weather is not always perfect, typically cold, windy or wet, but small game generally demands a lot of moving and when properly dressed it is easy to keep warm.

As an avid big game hunter, primarily deer and turkey in my neck of the woods, I use the small game seasons to scout game numbers in my hunting areas, game movements and to help discover primary feeding and bedding locations. It is true deer and turkey movements and patterns and numbers, and those of other big game, are very apt to change during the colder months when small game seasons are in progress, but

Snowshoe hare and cottontail rabbit season in many states extend well into the winter months.



the information learned can be helpful during spring gobbler seasons, fall rut periods, and late fall hunting seasons. The more you know about a particular piece of woods and movements of game in it the better.

Personally, hunting small game has made me a better hunter, to slow down, be more patient, observant, and aware of sounds and my surroundings. It has been and continues to be an

According to a recent National Survey of Fishing, Hunting and Wildlife-Associated Recreation, compiled and published by the U.S. Fish and Wildlife Service every few years, the number of small game hunters in the U.S. has declined by about 17 percent.

education in reading tracks and other sign, animal and bird behavior and recognizing preferred cover and habitats of various critters every time I hit the woods. As a result, I have become a better deer, turkey, and big game hunter, not to mention more woods wise.

At the same time, hunting small game has been instrumental in making me a better shooter, more accurate when taking shots, and making sure of my target before pulling the trigger. The small game species are just that, small. Their very size makes them a challenge to target. Add in squirrels, they are found high in the treetops partially hidden or protected by foliage or limbs, rabbits in brush and other thick cover, and often on the run, and game birds often on the wing, developing good shooting skills is a prerequisite to success. Those skills have proven most useful on big game.

Small game hunting is also a great way to get young hunters, sons and daughters, grandchildren, nieces and nephews into hunting and to mentor them in such things as woodsmanship, and gun handling and safety along the way. It also helps teach youngsters how important is to be self-reliant and resourceful, important lessons helpful all through life, to say nothing of small game hunting is a great way to spend more quality time with the ones you love. Big game hunting can be slow, tedious, discouraging, even boring at times to youngsters, but



Where available, fox squirrels are larger, but still can be a challenge to target.



Gray squirrels are among the most popular small game species. They are found just about everywhere and offer an exciting hunt.

small game hunting is often much less so. It gets youngsters excited and interested quickly, keeps kids motivated, and helps burn that youthful energy. Start them young; they'll be better hunters (and people), and have a greater overall appreciation of the outdoors later in life. Getting kids together with other young hunters can also help develop friendships that can last a lifetime.

Then there is the opportunity to put meat on the table. There are few things I enjoy more than a nice venison steak at supper time, but when properly tended in the field and prepared in the kitchen, a squirrel or rabbit stew or a brace of roasted grouse, pheasant, or quail really is tasty and hits the spot. Wild game is also much more nutritious than store-bought and better for the family, plus you have the satisfaction of knowing where it came from.

There are, of course numerous other reasons to get out there and hunt small game over the coming weeks and months. The bottom line is the opportunities exist. Not to take advantage seems a waste. MB

BOOK REVIEW

by Bob Bearor

The Last Voyageurs: Retracing La Salle's Journey Across America, Sixteen Teenagers on the Adventure of a Lifetime

By Lorraine Boissoneault

Pegasus Book

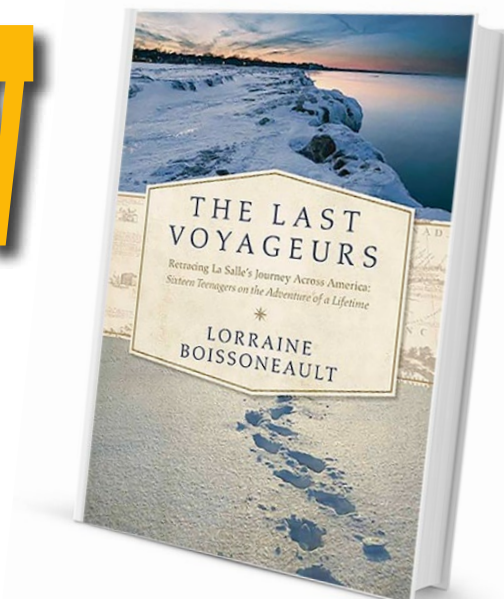
ISBN: 9 8-1-60598-9 6-1

"MAGNIFIQUE" is the only word that comes to mind when trying to describe *The Last Voyageurs* by author Lorraine Boissoneault. This work tells in detail the stirring and spellbinding account of the La Salle II re-enactment that left Montreal, Quebec, on August 11, 1977 and arrived at the Gulf of Mexico on April 9, 1978. At which time they erected a wooden cross of driftwood to mark their tremendous accomplishment.

I first heard of the La Salle Expedition II in 1977 when I was the keynote speaker at the War College in Fort De Chartes, Illinois. It was around the inevitable campfire that evening, after the day's seminars were over and sadly it was the only verbal mention of that incredible odyssey, that passed by the historic fort 20 years before.

The Last Voyageurs, by author Lorraine Boissoneault, has thankfully changed the verbal legends of these amazing young men into written documentation that is long overdue. She writes with passion and brings back to life with stark reality, a book that places the reader in the canoes and on the backbreaking portages.

This 275 page, hardcover book contains 11 chapters and 16 pages of crystal-clear photographs that bring the written pages of the grueling and memorable re-enactment to life. Chapter one begins with the dream of re-enacting the expedition and then the monumental task of actually making that dream become a reality. The planning and preparations were immense. Trying to handpick sixteen young men and six adults



from the hundreds of applicants, using physical and psychological evaluations was daunting to say the least. Alternates were chosen (and later needed), plus the huge and critical need for a land support team that had to travel ahead each day to find and secure landing and camping places on both public and private lands in both Canada and the United States. Also this liaison team had to schedule food resupply points and hundreds of speaking engagements along the way.

The chosen Voyageurs then started working together on building the canoes they would use. They also started sewing and dyeing accurate period clothing. They also learned basic French phrases and of course the many "Chansons" of the French Voyageurs while they paddled and when they put on their informative historical engagements for public audiences at the many stops along the way.

As the chapters and the adventure begins, the skillful writing of Ms. Boissoneault places you in the canoe and puts the 90-pound portage packs on your back. In chapter seven, which is entitled "Trapped at Death's Door" the overturning of one canoe at the mouth of Green Bay on Lake Michigan is told with stark, chilling reality. Excerpts from those pages give you the thoughts and feelings of impending death by drowning. "Just as the men maneuvered their paddles to turn the canoe around a wave came pouring over the side on top of them."

Not wishing to reveal the horrifying aftermath that follows the capsizing of the canoe. I will share this instead with the reader. I have canoed for fifty plus years in Canada and the United States and have twice almost suffered death by drowning.

Despite the oft repeated fables of a “calm” and “peaceful” way to go, I can assure you that it is not! It is instead a brutal, numbing, and panicky experience. I can completely relate to the event that chapter seven describes. Fortunately for you, the reader, you can see and feel much the same emotions through Lorraine Boissoneaults skillful and descriptive writing without ever leaving the safety of your home.

In chapter nine, once again death comes close to calling as the Voyageurs are forced to portage (because of frozen rivers) all of their gear along snowy, windswept roads. In a heavy snowstorm, a collision between a semi-tractor trailer and a pickup truck sent the pickup truck skidding and slamming into the horrified voyagers who were unable to get out of the way. Four were injured and one nearly died. Days later, after being assured of their friends’ expected recoveries, the group made the decision to press on and continue the journey. These young men were determined to get to the Gulf of Mexico, still hundreds of miles away. In three months, on April 9, 1977, they achieved the long sought-after goal. The last picture in the book shows the La Salle Expedition II planting a ceremonial wooden cross of driftwood at the Gulf of Mexico.

This epic and stirring saga deserves a spot on the bookshelf of every lover of history.

Bien Jou’e! MB

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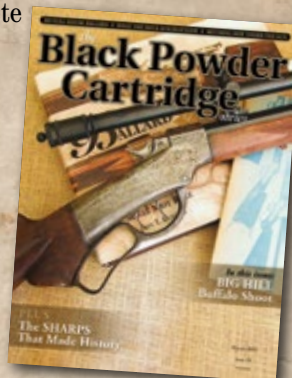
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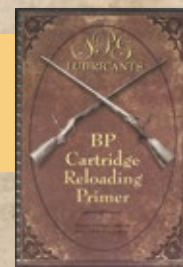
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GEORGE FREDERICK AUGUSTUS RUXTON'S OTHER RIFLE

by Miles Gilbert

An article in the Autumn 2001 Double Gun Journal (as it was then known) mentioned double guns used by British sportsmen in the American West 1833-1883. Among those sportsmen listed George Ruxton was known to have had both a shotgun and a double rifle. His written accounts of travels in the Rocky Mountains during 1846-1847 published under the titles *Adventures in Mexico and the Rocky Mountains* and *Life in the Far West Among the Indians and the Mountain Men*



George Frederick Augustus Ruxton

made a most important contribution to our knowledge of the fur trade period. His word pictures filled with romance, danger, and the colorful, rustic dialogue of the beaver trappers has been utilized by many a western novelist and Hollywood script writer. Consider the Disney Studios 'Saga of Andy Burnett' or Frazier Heston's The "Mountain Men" starring his father Charlton for example. Ruxton's writing combined with the art of Alfred Jacob Miller, who accompanied Sir William Drummond Stewart to a mountain man rendezvous in 1837 provide a charming look at that life and time.

George Frederick Augustus Ruxton was born to Anna Maria Hay Ruxton and John Ruxton, Esquire at Tonbridge, Kent on July 24, 1821. His maternal grandfather was Colonel Patrick Hay, a descendent of the House of Tweeddales. Ruxton attended Turnbridge School and began his education at Royal Military Academy Sandhurst, but being something of a rebel he left before getting his commission. "I was a vagabond in all my propensities. Everything quiet or commonplace I detested and my spirit chafed within me to see the world and participate in scenes of novelty and danger."

He was a soldier during the Spanish Civil War 1833-1839. He became a lancer under Diego De Leon and received the Laureate Cross of Saint Ferdinand from Queen Isabella II for his gallantry at Belascoain. Then he served as an ensign in Princess Victoria's 89th Regiment of Foot, also known as the Royal Irish Fusiliers, in Canada. Having become intrigued by the lives of Native Americans and trappers in 1843 he sold his Lieutenant's commission in the British Army and became a hunter with the Ojibwa in Upper Canada. After returning to England he set sail from Liverpool in the spring of 1844 to explore central Africa, but lack of support from the British government stopped that enterprise before he wanted. He did manage to study African bushmen and presented a paper on them to the Ethnological Society of London on November 26, 1845.

The United States went to war with Mexico in May 1844 over

the border of Texas. Ruxton secured an appointment as a British commercial attache' charged with protecting the lives and property of British citizens in Mexico. Nowadays he would have been identified by the US as a spook at least or as a spy at worst. In July he made his way from Vera Cruz to Mexico City and thence north into New Mexico where he encountered Lt James Abert of the US Corps of Topographical Engineers. He was very favorably impressed with the West Point graduates he met but equally unimpressed with the New Mexico Volunteers. He was particularly disgusted with their lack of discipline and was not surprised that such lack resulted in the loss of 800 sheep and the lives of two volunteers as accomplished by only three Navajo raiders.

One of many of Ruxton's own adventures in which his rifle played a significant part was in the turning of a buffalo stampede. One night in May 1847 he and his traveling companions, "...advancing toward the buffalo which were coming straight upon us, by shouting and continued firing of guns we succeeded in turning them." The rifle presented here is typical in many respects to those produced for British hunters in the percussion period. It is 57 inches overall with a 40" barrel of .575 caliber, being as Ruxton said, of 25 to the pound. The straight octagon barrel is 1 1/8" across the flats and contributes to most of the 10 pound weight. The percussion lock by Thomas K. Baker is equipped with a sliding safety behind the hammer. As a personal touch the right side of the stock bears his name in a lovely silver banner while on the cheek piece a silver escutcheon shows a very Catlinesque buffalo.



Departing from the British norm which many of us find to be perfection itself, Ruxton fell prey to the norm in the Far West and had his rifle's shotgun butt replaced with a crescent butt in steel to match the other furniture. It seems that not a few British travelers were fascinated by them. An officer of Her Majesty's navy observed one of Fremont's scouts with such a rifle while he was in California during the Mexican War. Ruxton wrote that the Hawken rifle was a favorite of his peers in the mountains and he may very well have seen one in the Hawken shop in St. Louis. Perhaps because rifles used by the mountain men he traveled among had such crescent butts and he wanted to fit in, he had his rifle modified while back in England prior to his return for his trip in 1848. While a crescent butt may give better purchase while wearing a heavy coat it is not nearly so comfortable as a shotgun butt when firing a heavy charge.



Alas for Ruxton, he had only just gotten back as far as St. Louis when he died on August 29, 1848. Cholera is suspected. His brother came down from Canada to gather his belongings. Almost forty years ago a regional Christie's antique gun auction in Scotland included the Ruxton rifle and it was eventually obtained by Jim Gordon of Santa Fe. It is a featured part of the fur trade room along with a dozen Hawken and many other St. Louis-made rifles in Jim's Casa Escuela Museum located just off I-25 at the Glorieta, New Mexico exit. Call him for an appointment at (505) 982-9667. You will be treated to an amazing, magnificent collection of historic items ranging from the Spanish Entrada of 1540 right through the early-ranching period. Jim is well known as the author of a multi-volume work on the Winchester 1873, a volume on knives of the early west, and a volume on firearms of the early west.



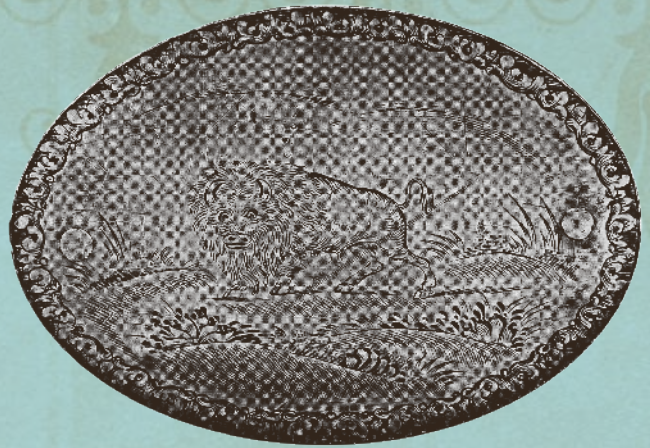
This painting by George Catlin (1796-1872) ca. 1844, features a double barreled rifle such as the one Ruxton used in addition to his single. Courtesy of the Buffalo Bill Historical Center, Cody.

Continued on Page 28.

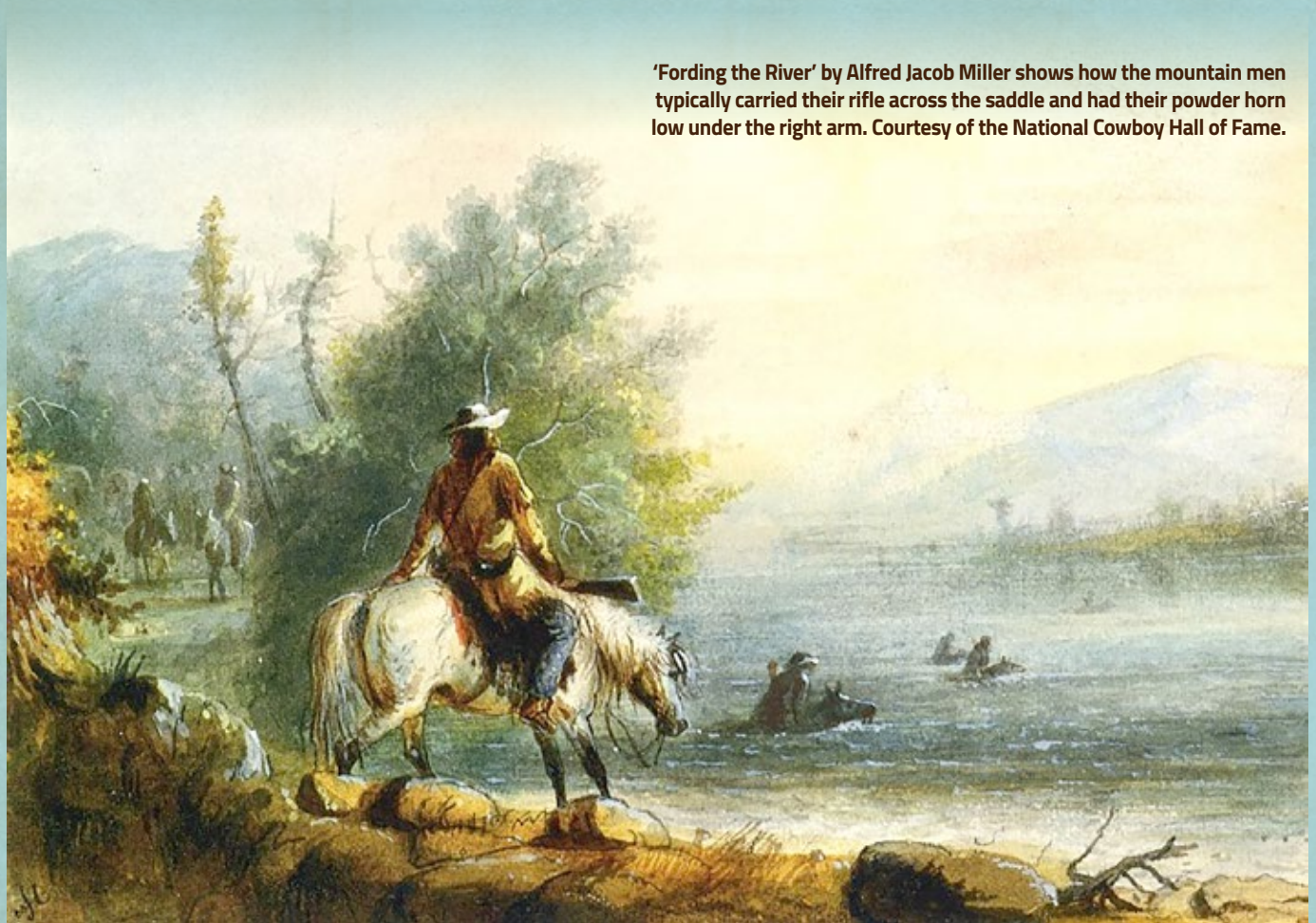


Thomas K. Baker's mark on the top flat of the Ruxton rifle.

After 166 years the address of Thomas K. Baker's business at 34 St. James Street, London is yet visible. According to Blackmore, Baker was active from about 1833 until after 1852. He relocated from 2 Bury Street, St. James' to 34 St. James' in 1846, so Ruxton may have had the rifle made for his 1846 trip. The single set trigger and safety still function. In addition to the butt plate modification, the rear sight may also have been changed. Rather than a typical wide v that one might expect, there is a rather Germanic looking two-leaf rear. The straight hand stock wears an iron pistol grip trigger guard. The long, heavy barrel is held in place by a hooked breech and two forend wedges or keys, a' la' a proper St. Louis plains rifle. MB



The influence of George Catlin is easily seen in the buffalo on the decorative silver plate that Ruxton had on the cheek piece. Note that it crosses the wood added to accommodate the crescent butt.



'Fording the River' by Alfred Jacob Miller shows how the mountain men typically carried their rifle across the saddle and had their powder horn low under the right arm. Courtesy of the National Cowboy Hall of Fame.

Acknowledgments:

Jim Gordon for access to the Ruxton rifle.
Black and white photos from James Hanson's article on Ruxton in the Museum of the Fur Trade Quarterly Vol 41, No. 2, 2005.
The Buffalo Bill Historical Center, Cody.
The National Cowboy Hall of Fame, Tulsa.
Daughter and computer whiz Amanda Lane for technical assistance.

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Blackmore, Howard L. Gunmakers of London Supplement:1350-1850. Alexandria Bay, NY: Museum Restoration Services, 1999.
Ruxton, George F. Life in the Far West Among the Indians and the Mountain Men, 1846-47. Glorieta, NM: Rio Grande Press, 1972.



SEPTEMBER 2017 NMLRA NATIONAL CHAMPIONSHIP SHOOT RESULTS

National Championship Aggregates

Crosley Match Winners - Neil Eddington 50-3X, Elwood Cullers 50-1X, Mark Donaldson 49-1X, Branch Meanley 49, Rick Repovsch 48-1X.

Crosley Qualifiers - Class 1A (Over 60) - Mark Donaldson 49-2X, Richard Repovsch 49-1X, Donald Blazier 49, Anthony Capriglione 48-2X, Branch Meanley 48-1X. **Class 1B** (Under 60) - Bradley Williams 46-1X, Brian Williams 46, Joseph Shepherd 46. **Class 1C** (Women) - April Lucas 48, Jessica Marshall 48, Fanny Marshall 47-1X, Deanna Shepherd 45, Felecia Lucas 43. **Class 1D** (Juniors) - No Entries. **Class 1E** (Over 70) - J.L. Hargis 49-1X, Rodney Ingram 48-3X, Clark Frazier 48-2X, Raymond Scites 47-2X, Roy Scott 47.

Aggregate A, Unlimited Rifle Championship - Anthony Capriglione 242-7X, Neil Eddington 239-4X, J.L. Hargis 236-4X.

Match 9, Mike Fink - Brian Williams 49-1X, Anthony Capriglione 46, J.L. Hargis 46.

Match 27, Red Farris - Anthony Capriglione 48, Neil Eddington 47, Elwood Cullers 47.

Match 131, Boltz - Anthony Capriglione 50-2X, Bradley Williams 48-3X, Neil Eddington 48-1X.

Match 137, Alvin York - Neil Eddington 50-2X, Anthony Capriglione 49-2X, Mark Donaldson 49-2X.

Match 157, Walter Cline - Ken Laverty 50-3X, Mark Donaldson 50-2X, J.L. Hargis 50-2X.

Aggregate B, Women's Rifle Championship - Sarah Lotts 189-4X, Ann Reed 187-4X, Theresa Van Epps 182-5X.

Match 62, Beatrice Schwimmer - Theresa Van Epps 49-3X, Sarah Lotts 49-1X, Ann Reed 48-2X.

Match 63, Madonna of the Trails - Theresa Van Epps 44-1X, Ann Reed 44, Carla Estes 42.

Match 202, Annie Oakley - Sarah Lotts 49-2X, Ann Reed 46-1X, Theresa Van Epps 46-1X.

Match 203, Barbara Fritchie - Ann Reed 49-1X, Sarah Lotts 49-1X, Theresa Van Epps 43.

Aggregate C, Fintlock Bench Championship - Neil Eddington 147-8X, Anthony Capriglione 146-6X, Mark Donaldson 146-5X.

Match 170, Claude Turner Memorial - Anthony Capriglione 50-2X, Neil Eddington 49-3X, Fred Lotts 48-2X.

Match 171, M.G. VanWay Memorial - Neil Eddington 50-4X, Donald Blazier 50-3X, Mark Donaldson 50-2X.

Match 175, Bill Carr - Anthony Capriglione 49-3X, Mark Donaldson 49-2X, J.L. Hargis 49-2X.

Aggregate D, Musket Championship - Anthony Capriglione 326, Larry Hand 317-2X, David Reed 312-3X.

Match 50, Marion Adams Memorial - Darrell Vigue 88-2X, Larry Hand 87-1X, Anthony Capriglione 86.

Match 51, 100 Yds. Musket - David Reed 93-3X, Larry Hand 92, Anthony Capriglione 91.

Match 52, 100 Yds. Musket - David Reed 85, Larry Hand 78-1X, Darrell Vigue 76-1X.

Match 53, 200 Yds. Musket - Anthony Capriglione 73, Charlie Bondurant 65, Wayne Cullers 65.

Aggregate E, Flintlock Championship - J.L. Hargis 239-8X, Anthony Capriglione 237-3X, Mark Donaldson 229-8X.



Match 40, John Barsotti - J.L. Hargis 45, Anthony Capriglione 44, Warren Howard 42.

Match 42, Kit Carson - J.L. Hargis 49-3X, Anthony Capriglione 48-1X, Mark Donaldson 42.

Match 172, 50 Yds. - J.L. Hargis 49-2X, Mark Donaldson 48-2X, Ken Laverty 48-1X.

Match 173, 50 Yds. - Mark Donaldson 50-2X, Elwood Cullers 50-1X, J.L. Hargis 49-2X.

Match 176, 100 Yds. - Mark Donaldson 49-4X, Anthony Capriglione 49-1X, Ken Laverty 48-2X.

Aggregate F, Flintlock Offhand Championship - Master: Tim Marsh 182-5X, Stephen Dick 180-4X, Richard Marsh 179-3X. **Sharpshooter:** Timothy Flaim 155-2X, Trey Millican 152-1X, Chris Meadows 151. **Marksman:** John Thompson 113, Michael Moore 82.

Match 43, B.L. Compton Memorial - Larry Hand 45, Alan Woeste 44, Ben Hudelson 43.

Match 44, William Buchele - Stephen Dick 49-2X, Tim Marsh 48-3X, Richard Marsh 48-1X.

Match 45, Lew Wetzel - Tim Marsh 46-1X, Richard Marsh 43, Stephen Dick 42.

Match 46, 25 Yds. - Stephen Dick 48-2X, Warren Howard 47-2X, Tim Marsh 47-1X.

Aggregate G, Junior Rifle Aggregate - David Wheelock 86-1X, James Weissmann 84, Jamie Thomas 64-2X.

Match 82, 25 Yds. - Jamie Thomas 48-2X, David Wheelock 47-1X, James Weissmann 45.

Match 211, 50 Yds. - David Wheelock 39, James Weissmann 39, Abrianna Bookman 23.

Aggregate H, 25 Yard Offhand Championship - Master: Tim Marsh 193-5X, Stephen Dick 191-5X, Joseph Roy 188-2X. **Expert:** Michael Payne 175-2X, William Campbell 175, James Jaskowiak 163. **Sharpshooter:** Trey Millican 177-2X, Elmer Swank 169-2X, Cal Merritt 158-1X. **Marksman:** Brad Schleuser 173-2X, Alan Deters 167, Richard Eberle 165.

Match 12, Nathan Hale - Stephen Dick 49-2X, Anthony Capriglione 48, Tim Marsh 47-1X.

Match 13, Friendship Trophy - Tim Marsh 50-2X, Larry Hand 49-2X, Stephen Dick 49-1X.

Match 14, The Frontiersman - Tim Marsh 49-2X, Isaac Phillips 48-2X, Joseph Roy 48-1X.

Match 15, Jim Henderson Memorial - Joseph Roy 48, Elmer Swank 47-2X, Stephen Dick 47-1X.

Aggregate I, Long Range Slug Gun Championship - James Lemon 290-12X, Kevin Warner 287-7X, R.K. Scott 263-3X.

Match 188, 400 Yds. - Kevin Warner 99-3X, Everette Donegan 96, R.K. Scott 96.

Match 189, 500 Yds. - Everette Donegan 100-4X, James Lemon 97-5X, Kevin Warner 95-2X.

Match 190, 300 Yds. - James Lemon 99-5X, R.K. Scott 98-3X, Don Warner 95-2X.

Aggregate J, Phil Orem Memorial Slug Gun Championship - Don Warner 350-18X, James Lemon 349-20X, Branch Meanley 348-18X.

Match 180, Boss Johnston - Kevin Warner 50-5X, Brian Eikenberry 50-4X, Don Warner 50-4X.

Match 181, Neidner - Michele Meanley 100-9X, Stan White 100-8X, James Lemon 100-7X.

Match 185, H.V. Perry - R.K. Scott 100-8X, James Lemon 100-7X, Brian Eikenberry 100-6X.

Match 186, Ladow Johnston - Don Warner 100-2X, James Lemon 99-3X, Stan White 98-5X.

Aggregate K, Women's Offhand Championship-Master: Shirley Payne 168-1X, Sharron Smith 159-3X. **Sharpshooter:** Theresa Van Epps 179-2X, Sarah Lotts 171-2X, Margaret Millican 168-3X. **Marksman:** Kathy Klingler 121, Rebecca Henderson 88-1X.

Match 60, Laura Brooks Memorial - Sharron Smith 45-1X, Shirley Payne 45, Sarah Lotts 44-1X.

Match 64, 25 Yds. - Margaret Millican 50-2X, Shirley Payne 50-1X, Sarah Lotts 49-1X.

Match 70, Berta Turner - Theresa Van Epps 46-1X, Sarah Lotts 44, Shirley Payne 44.

Match 71, 50 Yds. - Theresa Van Epps 41, Margaret Millican 34, Sarah Lotts 34.

Aggregate L, 100 Yard Bench Championship - J.L. Hargis 99-7X, Robert Dickson 99-5X, Mark Donaldson 98-4X.

Match 155, 100 Yds. - J.L. Hargis 50-4X, Robert Dickson 50-3X, Fred Lotts 50-3X.

Match 156, 100 Yds. - J.L. Hargis 49-3X, Neil Eddington 49-3X, Bradley Williams 49-3X.

Aggregate M, Roundball Bench Championship - Robert Dickson 241-6X, Neil Eddington 241-5X, Brian Williams 241-3X.

Match 130, Charley Ruark Memorial - Robert Dickson 50-3X, Richard Repovsch 50, David Vanderbos 49-3X.

Match 136, Harry Plummer Memorial - Branch Meanley 50-3X, Mark Donaldson 50-2X, Kevin Arbogast 50-2X.

Match 150, Ned Roberts - Rodney Ingram 50-1X, Kevin Arbogast 49-2X, Raymond Scites 49-1X.

Match 154, Joe Kindig - Neil Eddington 50-3X, Mark Donaldson 50-3X, Brian Williams 50-1X.

Match 160, Gorning - Robert Dickson 48-1X, Ken Laverty 46, Brian Williams 45.

Aggregate N, Women's Buffalo Championship - Theresa Van Epps 131-1X, Jessica Marshall 118-1X, Fanny Marshall 114.

Match 454, 50 Yds. - Jessica Marshall 46-1X, Theresa Van Epps 44, Fanny Marshall 43.

Match 455, 50 Yds. - Theresa Van Epps 43, Jessica Marshall 35, Fanny Marshall 32.

Match 456, 100 Yds. - Theresa Van Epps 44-1X, Fanny Marshall 39, Jessica Marshall 37.

Aggregate O, Traditional Offhand Hunting Rifle Championship - Master: Tim Marsh 181-3X, Stephen Dick 181-2X, Isaac Phillips 179-2X. **Expert:** Michael Payne 162-1X, William McGinnis 140-1X, William Campbell 125. **Sharpshooter:** Wayne Cullers 166-4X, Trey Millican 145-1X, Elmer Swank 143.

Marksman: Jason Deemer 154, Harvey Giffin 140-1X.

Match 90, 25 Yds. - Isaac Phillips 49, Morgan Greenlee 48-1X, Stephen Dick 48.

Match 91, 50 Yds. - Stephen Dick 50-2X, Tim Marsh 49-2X, Wayne Cullers 46-2X.

Match 92, 50 Yds. - Tim Marsh 44-1X, Stephen Dick 44, Warren Howard 43-1X.

Match 93, 100 Yds. - Isaac Phillips 45-1X, Morgan Greenlee

SHOOT SCORE HIGHLIGHTS

Fundraiser Powder Winners

1st - Tim Marsh - 5 lbs
2nd - James Weissmann - 4 lbs
3rd - Dave Schnittker - 3 lbs

Eagle Match 2017 Winner

Lowell Crane

43, Tim Marsh 43.

Aggregate R, Susan Johnston Memorial Championship - Mark Donaldson 198-9X, Neil Eddington 198-6X, J.L. Hargis 196-3X.

Match 135, Elmer Herman Memorial - Mark Donaldson 50-2X, Branch Meanley 49-2X, Robert Marshall 49-2X.

Match 138, Ben Mellor - Neil Eddington 50-1X, Dick Thorn 50-1X, Bill Bolen 49-2X.

Match 152, 100 Yds. - Robert Dickson 50-5X, Kevin Arbogast 49-2X, Mark Donaldson 49-2X.

Match 153, The Whitworth - Mark Donaldson 50-3X, Neil Eddington 50-2X, J.L. Hargis 50-1X.

Aggregate S, 60 and Over Offhand Championship - Bill Rose 181-2X, Lowell Crane 179-2X, Bill Millican 171-2X.

Match 11, 25 Yds. - Bill Rose 49-1X, Larry Hand 46, Lowell Crane 46.

Match 22, 50 Yds. - Bill Rose 48-1X, Lowell Crane 47-2X, Larry Hand 46-1X.

Match 28, 50 Yds. - Lowell Crane 46, Larry Hand 41-1X, Bill Rose 41.

Match 38, 100 Yds. - Bill Millican 43-1X, Bill Rose 43, Lowell Crane 40.

Aggregate T, Junior Offhand Aggregate - David Wheelock 92, James Weissmann 91, Jamie Thomas 88.

Match 80, 25 Yds. - David Wheelock 47, James Weissmann 46, Jamie Thomas 45.

Match 81, 25 Yds. - James Weissmann 45, Lathan Roy 45, David Wheelock 45.

Aggregate U, Charlie Haffner Hunting Championship - Master: Tim Marsh 267-2X, Ben Hudelson 267-1X, Stephen Dick 264-3X. **Expert:** Robert Richards 133-1X. **Sharpshooter:** Wayne Cullers 239-2X, John Klingler 213-1X, Trey Millican 212. **Marksmen:** Brad Schleuser 231-1X, Robin Henderson 193-1X.

Match 16, 25 Yd. Squirrel - Ben Hudelson 49, Stephen Dick 48-1X, Jerry Schulze 48.

Match 17, 25 Yd. Crow - Isaac Phillips 47, Tim Marsh 46-1X, Wayne Cullers 46-1X.

Match 18, 25 Yd. Combination - Stephen Dick 50, Ben Hudelson 49, Tim Marsh 46.

Match 25, 50 Yd. Fox - Tim Marsh 49-1X, Warren Howard 47-1X, Ben Hudelson 46-1X.

Match 26, 50 Yd. Groundhog - Jerry Schulze 44-1X, Stephen Dick 44, Bill Millican 43.

Match 33, 100 Yd. Buffalo - Jerry Schulze 44, Wayne Cullers 44, Ben Hudelson 43.

Aggregate WU, Women's Charlie Haffner Hunting Championship - Master: Shirley Payne 227-1X, Donna Bisges 162. **Expert:** Ann Reed 196-1X. **Sharpshooter:** Margaret Millican 190-2X, Carla Estes 176-1X. **Marksmen:** Kathy Klingler 174-2X, Rebecca Henderson 120-1X.

Match 4, 25 Yd. Squirrel - Shirley Payne 43, Donna Bisges 42, Kathy Klingler 39-1X.

Match 5, 25 Yd. Crow - Margaret Millican 46-1X, Shirley Payne 43, Ann Reed 39.

Match 6, 25 Yd. Combination - Shirley Payne 49-1X, Ann Reed 30, Kathy Klingler 27-1X.

Match 19, Marnie McCausland Memorial Match 50 Yd. Fox - Ann Reed 44-1X, Kathy Klingler 37, Margaret Millican 31.

Match 48, 50 Yd. Groundhog - Carla Estes 39, Margaret Millican 32, Rebecca Henderson 30.

Match 49, 100 Yd. Buffalo - Shirley Payne 38, Ann Reed 35, Margaret Millican 34.

Aggregate V, Round Ball Bench/Any Sight Championship - Ken Lavery 143-6X, Branch Meanley 143-5X, Neil Eddington 143-4X.

Match 140, 50 Yds. - Neil Eddington 50-2X, Kevin Arbogast 50-1X, Ken Lavery 49-3X.

Match 159, 100 Yds. - Neil Eddington 50-2X, Bill Bolen 49-1X, Branch Meanley 48-2X.

Match 165, 200 Yds. - Roy Scott 47, Branch Meanley 46-1X, Ken Lavery 46-1X.

Aggregate X, Don Davis Memorial Buffalo Championship - Dick Thorn 184-1X, Theresa Van Epps 182.

Match 450, Bill Cody - Marty McDermitt 47-1X, Theresa Van Epps 47, Dick Thorn 46.

Match 451, 100 Yds. - Dick Thorn 47-1X, William Wheelock 46, Theresa Van Epps 46.

Match 452, 50 Yds. - Theresa Van Epps 44, Dick Thorn 44, Marty McDermitt 39.

Match 453, 100 Yds. - Dick Thorn 47, Theresa Van Epps 45, William Wheelock 41.

Aggregate Y, Smoothbore Championship - Harry Marsh 170-4X, Fred Lotts 152-2X, Stanley Reed 133.

Match 105, 25 Yds. - Alan Woeste 40, Fred Lotts 40, Robert Means 39.

Match 106, 25 Yds. - Harry Marsh 50-3X, Robert Means 50, John Klingler 48-1X.

Match 107, 50 Yds. - Harry Marsh 45-1X, Stanley Reed 43, Fred Lotts 41.

Match 108, 100 Yds. - Harry Marsh 38, Stanley Reed 36, Alan Woeste 36.

Aggregate Z, Unlimited Longhunter Championship - Tim Marsh 179-3X, Harry Marsh 164, Rob Root 153-2X.

Match 125, 25 Yds. - Tim Marsh 47, Warren Howard 47, Harry Marsh 46.

Match 126, 50 Yds. - John Hilworth 47-1X, Tim Marsh 43-1X, Warren Howard 40.

Match 127, 50 Yds. - Tim Marsh 46-2X, Rob Root 43-1X, Harry Marsh 42.

Match 128, 100 Yds. - Tim Marsh 43, Rob Root 41, Wayne Cullers 38.

Aggregate BB, Traditional Offhand Flint Hunting Rifle Championship-Master: Tim Marsh 190-3X, Morgan Greenlee 183-2X, Stephen Dick 174-3X. **Expert:** Michael Payne 157-2X, James Jaskoviak 144-1X. **Sharpshooter:** Timothy Flaim 160-1X, Trey Millican 146-1X, Chris Meadows 146-1X. **Marksmen:** Frank Randall 121-1X, John Thompson 115, Paul H. Haberly 103-1X.

Match 100, 25 Yds. - Richard Marsh 48, Stephen Dick 47-1X, Morgan Greenlee 47.

Match 101, 50 Yds. - Morgan Greenlee 49-2X, Tim Marsh 49-2X, Richard Marsh 49.

Match 102, 50 Yds. - Tim Marsh 47, Morgan Greenlee 45, Larry Hand 44-1X.

Match 103, 100 Yds. - Tim Marsh 47-1X, John Hilworth 46, Timothy Flaim 43.

Aggregate CC, Women's Bench Championship - Sarah Lotts 146-2X, Michele Meanley 144-3X, Deanna Shepherd 144-2X.

Match 200, 50 Yds. - Ann Reed 48-2X, Jessica Marshall 48-1X, April Lucas 48-1X.

Match 201, 50 Yds. - Michele Meanley 49-2X, Fanny Marshall 49-1X, Sarah Lotts 49.

Match 206, 100 Yds. - Sarah Lotts 50-1X, Deanna Shepherd 49-1X, April Lucas 49-1X.

Aggregate DD, Tom Schiffer Schuetzen Championship - Lowell Crane 525, Bill Rose 516, Cees Kalfsvel 514.

Match 114, 100 Yds. - Cees Kalfsvel 229, Lowell Crane 222, William Wheelock 217.

Match 115, 200 Yds. - Bill Rose 220, Lowell Crane 215, Cees Kalfsvel 204.

Match 116, 200 Yds. - Lowell Crane 88, Bill Rose 87, Cees Kalfsvel 81.

Aggregate EE, Husband & Wife Championship - Joseph & Deanna Shepherd 269-3X.

Match 110, 25 Yds. - Michael & Shirley Payne 86-1X, Joseph & Deanna Shepherd 85.

Match 230, Williamson Husband & Wife- Robert & Fanny Marshall 97-2X, Branch & Michele Meanley 97-2X, Joseph & Deanna Shepherd 95-3X.

Match 460, 50 Yds. - Ryan Herman & Felecia Lucas 89-1X, Joseph & Deanna Shepherd 89, Michael & Shirley Payne 81-1X.

Aggregate FF, Offhand Championship-Master: Stephen Dick 182-3X, Tim Marsh 182-2X, Morgan Greenlee 181. **Expert:** William Campbell 147-1X, William McGinnis 146-1X, Michael Payne 140-1X. **Sharpshooter:** Wayne Cullers 158, Elmer Swank 151, Trey Millican 151. **Marksmen:** Alan Deters 126-1X, Forrest Johnson 122.

Match 8, The Pioneer - Richard Marsh 50-3X, Isaac Phillips 50-1X, Tim Marsh 48.

Match 20, Simon Kenton - Stephen Dick 44-1X, Tim Marsh 44, Morgan Greenlee 44.

Match 29, 50 Yds. - Tim Marsh 49-2X, Joseph Roy 49, Stephen Dick 48-2X.

Match 30, John Mench - John Hilworth 45-1X, Morgan Greenlee 43, Stephen Dick 42.

Aggregate GG, A.M.S. Offhand Aggregate-Master: Tim Marsh 192-4X, Stephen Dick 183-2X, Joseph Roy 177-4X. **Sharpshooter:** Nathan Conley 172-3X, Wayne Cullers 158-2X, Elmer Swank 154-1X. **Marksmen:** Eric Murphy 129-1X, Forrest Johnson 114.

Match 10, 25 Yds. - Tim Marsh 50-2X, Joseph Roy 49-3X, Nathan Conley 49-2X.

Match 23, 50 Yds. - Tim Marsh 48-1X, Stephen Dick 44, Richard Marsh 43.

Match 24, 50 Yds. - Stephen Dick 49-2X, Nathan Conley 49-1X, Bill Rose 48-1X.

Match 32, 100 Yds. - Tim Marsh 47-1X, Isaac Phillips 42, Joseph Roy 42.

Aggregate HH, Intermediate Offhand Aggregate - Nathan Conley 132-1X, Jamie Thomas 112-1X, James Weissmann 88.

Match 85, 25 Yds. - Nathan Conley 48, Jamie Thomas 38, James Weissmann 31.

Match 86, 50 Yds. - Nathan Conley 46-1X, Jamie Thomas 39-1X, James Weissmann 26.

Match 87, 100 Yds. - Nathan Conley 38, Jamie Thomas 35, James Weissmann 31.

Aggregate II, Lee Good Memorial Chunk Gun Championship - Gary Test 2.0355, Tom Swigart 2.5560, Neil Eddington 2.9845.

Match 242, Chunk Gun - Gary Test 0.5500, Thomas Cooley 0.8355, Neil Eddington 1.1900.

Match 243, Chunk Gun - Tom Swigart 1.3260, Gary Test 1.4855, James Moore 1.4860.

Aggregate JJ, Sighted Smoothbore Championship - Harry Marsh 177-1X, Fred Lotts 171-1X, Richard Marsh 170-3X.

Match 34, 25 Yds. - Harry Marsh 46, Richard Marsh 44, Darrell Vigue 40.

Match 35, 25 Yds. - Harry Marsh 50-1X, Darrell Vigue 49-2X, Fred Lotts 48-1X.

Match 36, 50 Yds. - Darrell Vigue 45-1X, Fred Lotts 42, Richard Marsh 41-1X.

Match 37, 100 Yds. - Fred Lotts 42, Harry Marsh 40, Richard Marsh 38.

Aggregate KK, One Gun Championship - Anthony Capriglione 224-1X, J.L. Hargis 218-1X, Darrell Vigue 206.

Match 7, 25 Yds. - Stephen Dick 49-2X, Anthony Capriglione 46, J.L. Hargis 43.

Match 21, Al Deutschman Memorial - Stephen Dick 49, Wayne Cullers 46, Anthony Capriglione 45.

Match 31, Tom Pike - Bill Millican 42, J.L. Hargis 40, Anthony Capriglione 40.

Match 133, Bull Ramsey Memorial - Kevin Arbogast 46-1X, Bill Millican 46, J.L. Hargis 46.

Match 151, Roland Harper - Anthony Capriglione 48-1X, David Vanderbos 47, J.L. Hargis 45-1X.

Aggregate LL, Traditional Offhand Hunting Rifle Nonjacket -Master: Rod Brimm 179-4X, Isaac Phillips 176-2X, Larry Hand 172-1X. **Expert:** William Campbell 156, Robert Richards 132-1X. **Sharpshooter:** Wayne Cullers 155, Wayne V. Flora 154, Trey Millican 147. **Marksmen:** Robert Hatfield 160-1X, Mark Gifford 122-2X.

Match 54, 25 Yd. 6-Bull - Rod Brimm 49-1X, Isaac Phillips 47-1X, Ben Hudelson 47.

Match 55, 50 Yd. -100 Yd. Target - Harlan Davenport 49, Rod Brimm 47-2X, Joseph Roy 47.

Match 56, 50 Yd. 6-Bull - Rod Brimm 44, Larry Hand 40, Isaac Phillips 40.

Match 57, 100 Yd. -100 Yd. Target - Larry Hand 43, Isaac Phillips 42-1X, William Campbell 41.

Aggregate MM, Traditional Offhand Flint Hunting Rifle Nonjacket-Master: Ben Hudelson 176-1X, Warren Howard 162-2X, J.L. Hargis 161-2X. **Expert:** Michael Payne 150-1X, James Jaskoviak 139. **Sharpshooter:** Trey Millican 153-1X, John Miller 144-2X, Robert Riehle 127. **Marksmen:** Travis Herndon 161-1X, Mark Gifford 132, Paul H. Haberly 63.

Match 94, 25 Yd. 6-Bull - Larry Hand 48-1X, Ben Hudelson 48-1X, Harry Marsh 48.

Match 95, 50 Yd. -100 Yd. Target - Mark Gifford 49, J.L. Hargis 48-2X, John Hilworth 46-1X.

Match 96, 50 Yd. 6-Bull - Ben Hudelson 43, John Hilworth 40, Warren Howard 39-1X.

Match 97, 100-Yd. -100 Yd. Target - Ben Hudelson 39, John Miller 36, Warren Howard 36.

Aggregate NN, Sub-Junior Aggregate - Carsyn Schleuser 125-1X, Danren Cantrell 107-1X, Jeremiah Nunn 100-2X.

Match 76, 25 Yds. - Danren Cantrell 36, Carsyn Schleuser 33, Jeremiah Nunn 31.

Match 77, 25 Yds. - Danren Cantrell 48-1X, Jeremiah Nunn 47-2X, Carsyn Schleuser 44-1X.

Match 221, 50 Yds. - Carsyn Schleuser 48, Danren Cantrell 23, Jeremiah Nunn 22.

Aggregate OO, Long Range Silhouette Championship - Cees Kalfsvel 214, Leka Kalfsvel 209, Raymond Hopkins 190.

Match 317, Mini Creedmoor Match - Raymond Hopkins 72, Cees Kalfsvel 70, Leka Kalfsvel 65.

Match 318 - Raymond Hopkins 93, Leka Kalfvel 84, Cees Kalfsvel 84.

Match 319 - Leka Kalfvel 60, Cees Kalfsvel 60, Sean Hill 35.

Aggregate RR, Flint Buffalo Championship - Dick Thorn 187-4X.

Match 465, 50 Yds. - Dick Thorn 45-1X.

Match 466, 100 Yds. - Dick Thorn 46-1X.

Match 467, 50 Yds. - Dick Thorn 47-2X.

Match 468, 100 Yds. - Dick Thorn 49.

Aggregate SS, Light Bench Championship - J.L. Hargis 193-2X, David Vanderbos 189-5X, David Delong 185-3X.

Match 141, 50 Yds. - David Vanderbos 49-2X, J.L. Hargis 49-1X, Raymond Scites 49.

Match 142, 50 Yds. - J.L. Hargis 48, Rodney Ingram 47, David Delong 46-2X.

Match 143, 100 Yds. - David Vanderbos 49-2X, David Delong 48-1X, J.L. Hargis 48.

Match 144, 100 Yds. - J.L. Hargis 48-1X, Peter Sheets 47, Chris Hickel 47.

Aggregate TT, Intermediate One Rifle Championship

- Nathan Conley 167-1X, James Weissmann 97, Adam Meadows 87.

Match 83, 25 Yds. - Nathan Conley 46-1X, Adam Meadows 37, James Weissmann 24.

Match 84, 50 Yds. - Nathan Conley 46, Adam Meadows 32, James Weissmann 21.

Match 213, 50 Yds. - Nathan Conley 37, James Weissmann 16, Adam Meadows 5.

Match 214, 100 Yds. - Nathan Conley 38, James Weissmann 36, Adam Meadows 13.

Aggregate UU, 70 & Over Clark Frazier Offhand

Championship - Bill Millican 168, Chuck Blender 164, T Mingo 163.

Match 65, 25 Yds. - Bill Millican 47, Chuck Blender 44, T Mingo 44.

Match 66, 50 Yds. - Elwood Cullers 47, Bill Millican 46, Chuck Blender 44.

Match 67, 50 Yds. - T Mingo 42, Page Carr 40, Bill Millican 40.

Match 68, 100 Yds. - Elwood Cullers 40, Chuck Blender 39, Page Carr 38.

Aggregate VV, Women's Offhand Championship-Master: Shirley Payne 158. **Sharpshooter:** Sarah Lotts 161, Margaret Millican 135-1X, Theresa Van Epps 134-2X. **Marksmen:** Kathy Klingler 138.

Match 39, 25 Yds. - Carla Estes 44-1X, Shirley Payne 44, Sarah Lotts 40.

Match 58, 50 Yds. - Sarah Lotts 48, Theresa Van Epps 46-1X, Margaret Millican 44-1X.

Match 59, 50 Yds. - Sarah Lotts 38, Shirley Payne 37, Theresa Van Epps 29-1X.

Match 69, 100 Yds. - Shirley Payne 39, Sarah Lotts 35, Kathy Klingler 34.

Aggregate WN, Women's Offhand Novice Championship - No Entries

Aggregate MN, Men's Offhand Novice Championship - John McAlister 144, Mike Ward 109-1X, Terry Snyder 108.

Aggregate XX, A.W. Coon Super Chunk Championship - Tom Swigart 3.7465, Gary Test 4.4625, Joel Gard 5.2665

Aggregate LR – Long Range Grand Championship - No Entries

Black Powder Cartridge:

Match 850 - No Entries

Match 851 - No Entries

Match 852 - No Entries

Aggregate RB, Running Boar Championship - Ben Hudelson 112, Lars Lutton 73, Paul H. Haberly 33.

Match 250, Any Metal Sights - Ben Hudelson 63, Lars Lutton 44, Paul H. Haberly 21.

Match 251, Open Sights - Ben Hudelson 49, Lars Lutton 29, Trent Wren 14.

Aggregate IH, Inline Hunter - Doug Schwartz 162-6X, Robert Wetzler 158-3X, Barry Brakebill 156-5X.

Match 340, 50 Yds. - Doug Schwartz 49-1X, Richard Weber 49, Robert Wetzler 48-2X.

Match 341, 100 Yds. - Doug Schwartz 49-3X, Barry Brakebill 49-2X, John Mankin 48-2X.

Match 342, 200 Yds. - Doug Schwartz 50-2X, John Mankin 50-2X, Barry Brakebill 49-3X.

Match 343, 200 Meters- Barry Brakebill 8, Robert Wetzler 6, Doug Schwartz 6.

Match 344, 300 Meters- Robert Wetzler 10, Doug Schwartz 8, Greg Knight 8.

Aggregate TS, Paul Griffin Memorial Table Shoot Championship - Donald Ross 2.0600, David Collier 2.5570, Steven Heitbrink 3.3390.

Match 246, Open - Charles Umstead 1.5780, Steven Heitbrink 1.8640, Stephan LaRue 2.0470

Match 247, Hunters - Donald Ross 1.1340, David Collier 1.3370, Steven Heitbrink 1.4750.

Aggregate LMR, Long Range Match (859) - Doug Schwartz 237-6X, Todd Fisk 230-5X, Richard Weber 214-1X.

Match 860, Mid-Range Match Re-Entry (100, 200, 300 YDS) - Doug Schwartz 145-5X, Todd Fisk 131, Scott Rauch 129.

Aggregate BPI, BPC Iron Sight - Robert Wetzler 293-5X.

Aggregate BPS, BPC Scope - Stanley Reed 302-4X, James Davis 296, Michael W. Hoke 289-6X.

Aggregate CA, Offhand Classification Aggregate - Daniel Williams 152, Carla Estes 125, Warren Powell 112.

Match 350, BPI Silhouette Match - Robert Wetzler 21, Peter Sheets 9.

Match 351, BPI Silhouette Match - James Davis 27, John Hayes 26, Michael W. Hoke 25.

Match 853, BPI B-19 Target (200 YDS) - Robert Wetzler 82.

Match 854, BPI SCH-3 Target (200 YDS) - Robert Wetzler 93-2X.

Match 855, BPI, SR-3 (300 YDS) - Robert Wetzler 97-3X.

Match 856, BPS B-19 Target (200 YDS) - Stanley Reed 89, Michael W. Hoke 88-2X, James Davis 88

Match 857, BPS SCH-3 Target (200 YDS) - Stanley Reed 93-3X, James Davis 85, Michael W. Hoke 79-1X.

Match 858, BPS SR-3 Target (300 YDS) - Michael W. Hoke 97-3X, Stanley Reed 96-1X, James Davis 96.

Novice Offhand Weekly Medal Reentry Matches

Match 2, 25 Yds. - Lathan Roy 49-2X, Mike Ward 48-1X, David Boiling 47.

Match 3, 50 Yds. - Michael Kowalski 44, Gordon Bell 44, Mike Ward 41.

Match 2W, Women's 25 Yds. - Darlene Nicholson 17.

Match 3W, Women's 50 Yds. - No Entries

Flintlock Offhand Match

Match 41, Mel Watkins Memorial - Stephen Dick 50-4X, Ben Hudelson 49-4X, Warren Howard 49-2X.

Women's Offhand Match

Match 61, Elyn Grote - Ann Reed 42, Sarah Lotts 42, Kathy Klingler 37.

Running Boar

Match 252, Flint - Paul H. Haberly 28, John Purdy 20, Michael Foster 18.

Special Offhand Weekly Medal Reentry Match

Match 111, Off-the-Shelf - James Jaskoviak 50-3X, Steve Chapman 49-3X, David Boiling 48-1X.

Schuetzen Weekly Medal Reentry Matches

Match 112, 100 Yds. - Jerry Schulze 210.

Offhand Weekly Reentry Match

Match 509, Sub-Junior - Carsyn Schlehuser 49-2X, Jeremiah Nunn 45-1X, Danren Cantrell 44-1X.

International Weekly Medal Reentry Matches

Match 120, 50 Yds. - James Jaskoviak 90, John Klingler 86, Ronald Prusinski 77.

Match 121, 50 Yds. - Wayne Cullers 97, John Hilworth 95-1X, Tim Marsh 95.

Bench Rest Match

Match 132, Squirrel Rifle - Bill Millican 47-1X, David Delong 45, David J. Hood 43.

Match 134, P.I. Spence - Raymond Scites 49-2X, Joseph Shepherd 49, Deanna Shepherd 49.

Junior Bench Rest

Match 210, 50 Yds. - No Entries

Sub-Junior Bench Rest

Match 220, 50 Yds. - No Entries

Special Bench Match

Match 231, Junior/Senior Bench - No Entries

Slug Gun Matches

Match 192, Horace Warner - Stan White 100-8X, Brian Eikenberry 100-7X, James Lemon 100-6X.

Match 193, Billinghamhurst - Stan White 100-6X, Brian Eikenberry 100-6X, James Lemon 99-6X.

Match 184, Brockway Memorial - Stan White 7.5800, Everett Donegan 10.6800, Michele Meanley 13.4460.

Match 187, Walter Grote - Michele Meanley 19.0680, Brian Eikenberry 21.5130, Everett Donegan 28.6290.

Match 195, Ethel Pike - Michele Meanley 100-8X.

Chunk Gun Match

Match 240 - Daniel Bredberg 1.4730, David Kincade 1.6135, Thomas Cooley 2.0610.

Buffalo Matches

Match 400, Merrill & Margaret Deer - John Leyrer 47-1X, Dick Thorn 46, Richard Hood 42.

Match 401, Jim Bridger Flintlock - Dick Thorn 49-1X.

Match 402, Junior - No Entries

Match 403, Women - Jessica Marshall 44, Fanny Marshall 39.

Match 404, Flintlock - Dick Thorn 46-2X.

Match 405, 100 Yd. Buffalo - Dick Thorn 47, Gordon Bell 27, David Boling 19.

Silhouette Matches

Match 304, Large - Travis Herndon 12, John Sims 10, David Vanderbos 9.

Match 301, Pistol - Gordon C. Elliott 8, Paul Haudenschild 3, Fred Lipp 1.

Match 306, Small - Jerry Schulze 14, Gordon C. Elliott 12, Carla Estes 10.

Match 312, Smoothbore - Dan Shaw 11, James Jaskoviak 10, Gordon C. Elliott 10.

Match 313, Junior - Luke Plummer 11, Mark Sargent 10, Robert Sargent 10.

Match 314, Sub-Junior - Saige Plummer 10, Reva Shugars 9.

Long-Range Muzzleloading Rifle

Match 308 - Raymond Hopkins 45.

Match 310 - Doug Schwartz 11, Rob Root 9, Raymond Hopkins 7.

Match 320 - Raymond Hopkins 89, Cees Kalfsvel 88.

Mini Creedmore Match

Match 315 - Raymond Hopkins 73, Robin Sighting 35.

Match 316 - Raymond Hopkins 74.

Match 321 - Doug Schwartz 75, Todd Fisk 73, Raymond Hopkins 72.

Eagle Match- Lowell Crane

Charter Club Championship - No Entries

Woodswalk Matches

Flintlock or Percussion Match

Match 701, Men's - Jeff Pell 13, Andy Sargent 12, Eric Gress 10.

Match 702, Women's - Lynda Best 9, Barbara Bye 7, Vivian Moore 5.

Match 703, Junior - No Entries

Match 704, Sub-Junior - No Entries

Open Flint or Percussion Match

Match 711, Men's - Todd Philipp 15, Dave Reising 14, Robert Hatfield 13.

Match 712, Women's - Vivian Moore 11, Lynda Best 10, Jamie Straber 8.

Match 713, Junior - No Entries

Match 714, Sub-Junior - No Entries

Open Smoothbore Match

Match 721, Men's - Jesse Rejko 11, Jeff Pell 9, Donald Hulvey 9.

Match 722, Women's - Rebekah Abel 7, Ashley Rogers 7, Lynda Best 7.

Match 724, Sub-Junior - No Entries

Hunters Match

Match 731, Men's - Jeff Pell 11, Sean Gaddie 11, Jeff Miller 11.

Match 732, Women's - Susie Hulvey 5, Ashley Rogers 3.

Match 733, Junior - Matthew Crum 6.

Match 734, Woodswalk Sub-Junior Hunters - Tristan Rogers 7.



Pistol Hunters Match

Match 741, Men's - Donald Hulvey 8, Brian Rowell 6, Ricky Roberts 6.

Match 742, Women's - No Entries

Pistol Matches

Match 1, Caplock 25 Yds. Slow Fire - High Master: Jason Gregoire 100-8X, Charles Haffner Jr. 99. **Master:** Eric Spivey 97-2X, Jon Cooper 95-2X. **Expert:** Anthony Stoll 97-5X, John F. Miller 94-3X. **Sharpshooter:** Brian Rowell 96-1X, David Hout 95-2X. **Marksman:** Nick Galbraith 79, Kenneth West 78.

Match 2, Caplock 25 Yds. Limited Time Fire - High Master: Jason Gregoire 99-4X, John Bauer 97-2X. **Master:** Eric Spivey 98-2X, Frank Rose 92-1X. **Expert:** Barry Strickland 97, Anthony Stoll 95-3X. **Sharpshooter:** David Hout 95-2X, Brian Rowell 92-1X. **Marksman:** Nick Galbraith 87, Kenneth West 81.

Match 3, Caplock 50 Yds. Slow Fire - High Master: Jason Gregoire 94-1X, Lou Helsel 88-1X. **Master:** Frank Rose 90, Jon Cooper 83-1X. **Expert:** Anthony Stoll 84-1X, Joel Akers 78. **Sharpshooter:** David Hout 85, Brian Rowell 77. **Marksman:** Nick Galbraith 73, Michael Mahan 59.

Match 4, Caplock Pistol Championship, Aggregate - High Master: Jason Gregoire 293-13X, Lou Helsel 280-8X, John Bauer 277-4X. **Master:** Eric Spivey 277-4X, Frank Rose 275-3X, Jon Cooper 269-4X. **Expert:** Anthony Stoll 276-9X, John F. Miller 260-5X, James Jaskoviak 257-2X. **Sharpshooter:** David Hout 275-4X, Calvin Meabon 253-2X, Jim Gritter 249-2X. **Marksman:** Nick Galbraith 239, Michael Mahan 216-1X, Kenneth West 214.

Match 5, Flintlock 25 Yds. Slow Fire - High Master: Jason Gregoire 99-4X, Lou Helsel 95-2X. **Master:** Eric Spivey 97-4X, Frank Rose 96-4X. **Expert:** John F. Miller 93-2X, Joel Akers 89-2X. **Sharpshooter:** Brian Rowell 94-3X, Larry Hough 92-4X. **Marksman:** Ronnie Monday 69, Michael Mahan 65.

Match 6, Flintlock 25 Yds. Limited Time Fire - High Master: Jason Gregoire 98-4X, John Bauer 98-2X. **Master:** Frank Rose 90, Eric Spivey 85-1X. **Expert:** Anthony Stoll 90-2X, John F. Miller 90. **Sharpshooter:** Jim Gritter 90, David Hout 89-2X. **Marksman:** Michael Mahan 70, Ronnie Monday 62.

Match 7, Flintlock 50 Yds. Slow Fire - High Master: Jason Gregoire 89-1X, Kim Best 86-1X. **Master:** Eric Spivey 83, Jon Cooper 67. **Expert:** Pat Havline 81, Anthony Stoll 68. **Sharpshooter:** Brian Rowell 79, David Hout 71. **Marksman:** Ronnie Monday 51, Michael Mahan 48.

Match 8, Flintlock Pistol Championship, Aggregate - High Master: Jackson Gregoire 286-9X, Kim Best 272-3X, Lou Helsel 265-3X. **Master:** Eric Spivey 265-5X, Frank Rose 247-4X, Jon Cooper 228-2X. **Expert:** Pat Havline 254-2X, John F. Miller 247-2X, Anthony Stoll 241-3X. **Sharpshooter:** David Hout 248-3X, Calvin Meabon 241-1X, Jim Gritter 241-1X. **Marksman:** Michael Mahan 183, Ronnie Monday 182, Jean

Skomra 123.

Match 9, Revolver 25 Yds. Slow Fire - High Master: David Schuster 99-2X, Kim Best 98-3X. **Master:** Frank Rose 93-3X, Eric Spivey 92-3X. **Expert:** James Jaskoviak 93-4X, Joel Akers 92-1X. **Sharpshooter:** Jim Gritter 90-2X, David Hout 90-1X. **Marksman:** David Reed 91-3X, Mark Corrigan 77.

Match 10, Revolver 25 Yds. Limited Time Fire - High Master: Jason Gregoire 97-5X, John Bauer 97-2X. **Master:** Frank Rose 97-5X, Eric Spivey 96-2X. **Expert:** Joel Akers 95-1X, Anthony Stoll 92. **Sharpshooter:** David Hout 92-2X, Jim Gritter 90-1X. **Marksman:** David Reed 92, Jean Skomra 74.

Match 11, Revolver 13 Shots 10 High - High Master: Mike Luma 95, David Schuster 94. **Master:** Eric Spivey 92, Frank Rose 91. **Expert:** Anthony Stoll 90, James Jaskoviak 89. **Sharpshooter:** David Hout 90, Jim Gritter 88. **Marksman:** David Reed 90, Mark Corrigan 71.

Match 12, Revolver 50 Yds. Slow Fire - High Master: Jason Gregoire 89, Mike Luma 85-1X. **Master:** Gordon Elliott 78, Jon Cooper 77. **Expert:** James Jaskoviak 80-1X, Joel Akers 78-1X. **Sharpshooter:** Jim Gritter 78, Jerry Wannemacher 72. **Marksman:** David Reed 72, Mark Corrigan 61-1X.

Match 13, Percussion Revolver Championship, Aggregate - High Master: Jason Gregoire 377-8X, Lou Helsel 366-3X, David Schuster 364-3X. **Master:** Frank Rose 356-9X, Eric Spivey 353-5X, Jon Cooper 345-5X. **Expert:** Joel Akers

354-3X, James Jaskoviak 350-6X, Anthony Stoll 339-1X.

Sharpshooter: Jim Gritter 346-3X, David Hout 344-3X, Calvin Meabon 322-1X. **Marksman:** David Reed 345-3X, Mark Corrigan 278-1, Michael Mahan 246.

Match 14, National Muzzleloading Pistol Championship - Champion: Jason Gregoire 956-30X. **High Master:** Lou Helsel 911-14X, John Bauer 905-14X, Kim Best 904-11X. **Master:** Eric Spivey 895-14X, Frank Rose 878-16X, Jon Cooper 842-11X. **Expert:** Anthony Stoll 856-13X, James Jaskoviak 839-9X, John F. Miller 826-9X. **Sharpshooter:** David Hout 867-10X, Jim Gritter 836-6X, Calvin Meabon 816-4X. **Temporary Master:** No Entries. **Marksman:** Michael Mahan 645-1X, Mark Corrigan 567-2X, Jean Skomra 534-1X. **High Senior -** Lou Helsel 911.14X. **High Lady:** Birdy Luma 781-2X. **High Junior:** No Entries.

Match 15, National Seniors Pistol Champion - Match 1, 25YD Caplock Slow Fire - High Master: Kim Best 100-5X, Mike Luma 99-3X. **Master:** Lynn Helsel 99-4X. **Expert:** Birdy Luma 92-1X.

Match 2, 25 Yd. LTF Caplock - High Master: Kim Best 100-1X, Mike Luma 97-3X. **Master:** Lynn Helsel 99-3X. **Expert:** Birdy Luma 92-2X.

Match 3, 50 Yd. SF Caplock - High Master: Lou Helsel 92-4X, Kim Best 92-2X. **Master:** Lynn Helsel 86. **Expert:** Birdy Luma 79-1X.

2017 "1 of 1000" POSTAL MATCH

Your organization is encouraged to participate in the eighth annual "1 of 1000" Club Postal Match.

The match is easy to enter. Select one member, to fire one shot, offhand with a muzzleloading rifle or pistol, at 25 yards at the enclosed paper target. Place one shot anywhere on the paper target.

Enter the club's name and the shooters name on the target. Mail the target in the enclosed envelope to the NMLRA at Friendship, Indiana for official scoring. The desired impact spot on the target is known only to the official scoring team.

The deadline for the target to be received by the NMLRA at Friendship is December 31, 2017.

The club with the winning target will receive the following:

- 1 free, postage paid, print of "The Spirit of America" by David Wright
- The club's name and the shooter's name engraved on the permanent plaque displayed in the Education Building at Friendship.
- An article and/or club picture published in a future issue of Muzzle Blasts

Thanks for participating in this eighth "1 of 1000" Postal Match.

The 2016 Postal Match was won by Chris Cassidy of the Conner Longrifles of Indiana.

Keep your powder dry. Robert Copner, Chairman 1 of 1000 Endowment Committee

Match 4, Caplock Pistol Championship

- **High Master:** Kim Best 292-8X, Lou Helsel 286-6X, Mike Luma 284-8X. **Master:** Lynn Helsel 284-7X. **Expert:** Birdy Luma 263-4X.

Match 5, 25 Yd. Flintlock Slow Fire - High Master: Marty Murphy 99-4X, Lou Helsel 99-2X. **Master:** Lynn Helsel 99-2X. **Expert:** Birdy Luma 88.

Match 6, Flintlock 25 Yd. LTF - High Master: Lou Helsel 97-1X, Mike Luma 97-1X. **Master:** Lynn Helsel 97. **Expert:** Birdy Luma 86.

Match 7, 50 Yd. Flintlock Slow Fire - High Master: Lou Helsel 86, Larry Baird 82-2X. **Master:** Lynn Helsel 85. **Expert:** Birdy Luma 74-1X.

Match 8, Flintlock Pistol Championship - High Master: Lou Helsel 282-3X, Mike Luma 272-1X, Marty Murphy 271-7X. **Master:** Lynn Helsel 281-2X. **Expert:** Birdy Luma 248-1X.

Match 9, 25 Yd. Revolver Slow Fire - High Master: Lou Helsel 96-4X, Kim Best 96-3X. **Master:** Lynn Helsel 97-3X. **Expert:** Birdy Luma 92-2X.

Match 10, 25 YD. Revolver LTF - High Master: Lou Helsel 97-4X, Mike Luma 96-5X. **Master:** Lynn Helsel 99-1X. **Expert:** Birdy Luma 92-2X.

Match 11, - International Revolver 25 Yd. 13 Shots 10 High-High Master: Mike Luma 95, Lou Helsel 93. **Master:** Lynn Helsel 96. **Expert:** Birdy Luma 91.

Match 12, 50 Yd. Revolver Slow Fire - High Master: Mike Luma 91-2X, Marty Murphy 80-1X. **Master:** Lynn Helsel 82-1X. **Expert:** Birdy Luma 80-1X.

Match 13, Revolver Championship - High Master: Mike Luma 378-9X, Lou Helsel 365-9X, Larry Baird 357-2X. **Master:** Lynn Helsel 374-5X. **Expert:** Birdy Luma 355-5X.

Match 15, Senior Optical Championship: Lynn Helsel 939-14X. **High Master:** Mike Luma 934-18X, Lou Helsel 933-18X, Kim Best 903-19X. **Expert:** Birdy Luma 866-10X.

Match 16, Ladies Pistol 25 Yd. - Lynn Helsel 91-1X, Birdy Luma 89.

Match 16, Ladies Pistol 50 Yd. - Lynn Helsel 83, Birdy Luma 61.

Match 16, Ladies Pistol Championship - Lynn Helsel 174-1X, Birdy Luma 150, Sharron Hall Bailey 136-1X.

Match 17, Intermediate Championship - No Entries

Match 18, Juniors Championship - Carrie Cooper 139, Bethany Ramsey 128-1X, Matthew Scuster 122.

Match 19, Sub-Juniors Championship - No Entries

Match 20, Kentucky Pistol- High Master: Art McCall 176-2X, Kim Best 175-3X. **Master:** Eric Spivey 180-7X, Lynn Helsel 169-2X. **Expert:** James Jaskoviak 173-2X, Chuck Sedwick 131-1X. **Sharpshooter:** Larry Hough 156-1X, Larry Akers 152-1X. **Marksmen:** David Reed 155.

Match 21, Kentucky Flint Pistol- High Master: Kim Best 182-5X, Lou Helsel 172-2X. **Master:** Eric Spivey 168-3X, Lynn Helsel 160. **Expert:** James Jaskoviak 158-1X, Chuck Sedgwick 119. **Sharpshooter:** Jim Gritter 148, Larry Akers 142.

Match 22, As Issue Revolver- High Master: Kim Best 274-5X, Art McCall 267-1X. **Master:** Eric Spivey 271-4X, Jim Schafer 257-2X. **Expert:** James Jaskoviak 260-5X, Barry Strickland 228-1X. **Sharpshooter:** Larry Hough 237-2X, Jerry Wannemacher 201-1X.

Match 23, Bill Carver Traditional Aggregate - High Master: Kim Best 631-13X, Lou Helsel 605-7X. **Master:** Eric Spivey 619-14X, Lynn Helsel 572-4X. **Expert:** James Jaskoviak 591-8X, Chuck Sedgwick 452-2X. **Sharpshooter:** Larry Hough 531-4X, Jerry Wannemacher 471-2X. **Marksmen:** No Entries

Match 24, Claude Willoughby Optical Aggregate-High Master: Kim Best 465-8X, Lou Helsel 463-10X, Mike Luma 463-8X. **Master:** Lynn Helsel 448-6X, Frank Rose 418-2X. **Expert:** Birdy Luma 449-3X. **Sharpshooter:** N/A **Marksmen:** Jim McIntosh 351-3X.

Match 25, Charlie Haffner International Aggregate - High Master: Lou Helsel 244. **Master:** Jim Schafer 242. **Expert:** James Jaskoviak 254. **Sharpshooter:** N/A. **Marksmen:** N/A.

Match 26, International Match 15 Shots 25 YD. - High Master: John Bauer 137, Doug Galbraith 130. **Master:** Jon Cooper 129, Jim Schafer 100. **Expert:** Barry Strickland 126, James Jaskoviak 122. **Sharpshooter:** Jim Gritter 122, Chuck Hedglin 116. **Marksmen:** Kenneth West 93, Jean Skomra 77.

Match 27, Bob Reiber Unlimited - High Master: Lou Helsel 161. **Master:** Brent Steele 142. **Expert:** N/A **Sharpshooter:** N/A **Marksmen:** Dennis Eger 119.

Match 28, AG Steuer 25 shots, 50 Yds. - High Master: John Bauer 241-2X, Kim Best 210-1X. **Master:** Jon Cooper 207-1X, Frank Rose 177-2X. **Expert:** James Jaskoviak 190. **Sharpshooter:** John Douglas 181-2X. **Marksmen:** Jean Skomra 134-1X.

Match 29, 100 Club 25 YD Slow Fire Flintlock - Jason Gregoire 97-3X.

Match 30, Bob Kiser Memorial Replica Revolver Match 13 Shots 10 High - High Master: John Bauer 94, Art McCall

91. **Master:** Jim Schafer 80. **Expert:** James Jaskoviak 89. **Sharpshooter:** Larry Hough 83. **Marksmen:** Jean Skomra 62.

Match 31, Husband and Wife - Lynn & Lou Helsel 180-5X.

Match 32, Bench Rest Aggregate - High Master: Jeff Hochsedler 42. **Master:** Paul Gittinger 119. **Expert:** Barry Strickland 80. **Sharpshooter:** N/A. **Marksmen:** Dennis Eger 126, David Reed 119.

Match 33, Open Top Revolver Aggregate - High Master: Art McCall 369-5X. **Master:** Eric Spivey 373-5X. **Expert:** James Jaskoviak 319. **Sharpshooter:** Larry Akers 305. **Marksmen:** David Reed 303-3X.

Match 41, 25 Yd. Re-entry - High Master: Doug Galbraith 99-4X. **Master:** Jon Cooper 94-1X. **Expert:** James Jaskoviak 94-3X. **Sharpshooter:** Larry Hough 95-2X. **Marksmen:** David Reed 98-2X. **Top Lady:** Lynn Helsel 91. **Top Junior:** Bethany Ramsey 69.

Match 42, 50 Yd. Re-entry - High Master: N/A. **Master:** Jon Cooper 76. **Expert:** James Jaskoviak 75. **Sharpshooter:** John Douglas 77-1X. **Marksmen:** Melissa Backscheider 70.

Primitive Matches

Aggregate MV, Men's Valley Flintlock - Bill Wright 208-1X.

Aggregate WV, Women's Valley Flintlock - Barbara Bye 71.

Aggregate JV, Junior Valley - Ross Rosemeyer 123.

Match 600, Open Seneca - Bill Wright 18, Albert Derks 18, Gunnar Wright 17.

Match 601, Rick Gilland Men's Fer-du-Lac Flintlock - Bill Wright 44-1X, Trent Wren 42, Lowell Crane 41-1X.

Match 602, Roger Rickabaugh Flintlock Seneca - Albert Derks 26-1X, Matthew Medley 25, Eric Bye 24.

Match 603, Mountain Man Aggregate - Matthew Rosemeyer 61, Jeff Pell 49, Bill Wright 34.

Match 604, Rifle Frolic - Bob Kieffer 39, Bill Wright 38, Eric Bye 37.

Match 605, Bill Large - No Entries

Match 606, Hawken - Rob Root 32.3710.

Match 607, Andy Baker Plains Rifle - Albert Derks 18.0000, Bob Kieffer 28.0000, Rob Root 31.0000.

Match 608, Men's Free Trapper - Bill Wright 43, Albert Derks 42, Matthew Rosemeyer 41.

Match 609, Smoothbore Aggregate - Bill Wright 90, Ricky Roberts 80, Albert Derks 80.

Match 610, Flint Pistol - Bill Wright 30, Tim Hamblen 28, Donald Hulvey 25.

Match 611, Women's Smoothbore Trade Gun - Melissa Rosemeyer 50, Susie Hulvey 30, Jeannine Marchesseau 20.

Match 612, Any Old Muzzleloading Pistol - Elmer Swank 44, Eric Bye 40, Brian Rowell 38.

Match 613, Flintlock Feather Duster - Reginald Robinson 11, Michael Moore 4, Troy Lewis 4.

Match 614, Flint Double Duster - Jeannine Marchesseau 4, Fred Lipp 1.

Match 615, Widowmaker - Bill Wright 46, Jesse Rejko 44-1X, Marc Reynolds 36-1X.

Match 616, Mountain Squaw Aggregate - Lynda Best 41, Rennea Hutton 39, Barbara Bye 23.

Match 617, Jeff Lipp Memorial, 11 Yrs. Old & Under - Tristan Rogers 50-1X, Jeremiah Nunn 46, David Sargent 45-1X.

Match 620, Junior Mountain Man - Gunnar Wright 66, Ross Rosemeyer 64, Hunter Paul 60.

Match 621, Junior Open Seneca - Gunnar Wright 26, Ross Rosemeyer 18, Hunter Paul 8.

Match 622, Smoothbore Flintlock Seneca - Albert Derks 24, Evan Ebersole 18, Bob Kieffer 17.

Match 623, Arlin Blair Smoothbore Frolic - Bill Wright 45, Tim Hamblen 44-1X, Ronald Young 44.

Match 626, Women's Flintlock Seneca - Susie Hulvey 19,

Barbara Bye 17, Jeannine Marchesseau 16.

Match 627, Women's Fer-du-Lac - Melissa Rosemeyer 40, Lynda Best 31-1X, Barbara Bye 31.

Match 628, Junior's Fer-du-Lac - Ross Rosemeyer 41, Hunter Paul 30, Jackson Ross 23.

Match 629, Women's Free Trapper - Melissa Rosemeyer 40-1X, Lynda Best 36, Vivian Moore 32.

Match 631, Fred Furkin Knock'em Down Rabbit - Bob Kieffer 45, Page Carr 44, Bill Wright 37-1X.

Match 632, Percussion Feather Duster - M.J. Longstreth 10, Greg Warren 9, Thomas Cashbaugh 6.

Match 633, Percussion Double Duster - M.J. Longstreth 9, Donald Black 4, Thomas Cashbaugh 4.

Match 634, Buck Fever - Albert Derks 47, Page Carr 45-1X, Bill Wright 45.

Match 635, King's Mountain - Gary Orem 40, Mike Ward 25, Dale Reeley 20.

Match 636, Turkey Gobbler - Albert Derks 45-1X, Bill Wright 45, Bob Kieffer 45.

Match 637, Women's Rifle (Buffalo) - Vivian Moore 45-1X, Melissa Rosemeyer 45, Susie Hulvey 43-1X.

Match 638, Women's Rifle (Fox) - Vivian Moore 38, Melissa Rosemeyer 38, Susie Hulvey 35.

Match 639, Junior's Rifle (Small Buffalo) - Jackson Ross 47, Gunnar Wright 46, Mark Sargent 46.

Match 640, Junior's Rifle (Large Buffalo) - Ross Rosemeyer 49, Gunnar Wright 46-2X, Hunter Paul 45-1X.

Match 641, Women's Smoothbore Widowmaker - Melissa Rosemeyer 26, Susie Hulvey 16, Rennea Hutton 10.

Match 642, Ghost Buffalo Reentry - Bill Wright 34, Ricky Roberts 33, Bob Kieffer 33.

Match 643, Jacqueline Rene Egolf Memorial, 11 & Under - Olivia Rosemeyer 49-2X, Tristan Rogers 49-1X, David Sargent 48-2X.

Match 644, Women's Feather Duster - Jeannine Marchesseau 3.

Match 645, Women's Jackie Brown - Melissa Rosemeyer 48, Susie Hulvey 43-1X, Jeannine Marchesseau 40-1X.

Match 646, Women's Reentry - Vivian Moore 48-1X, Susie Hulvey 46-1X, Jeannine Marchesseau 34.

Match 650, Smoothbore Weekly - Al Derks 49-1X, Bob Kieffer 49-3X, Bill Wright 49-3X.

Match 655, Smoothbore Silhouette - Ricky Roberts 40, Jeff Pell 30, Ricky Roberts 20.

Match 656, Sub-Junior - Tristan Rogers 50-4X, Olivia Rosemeyer 49-3X, David Sargent 49.

Match 657, Rifle Silhouette - Gary Orem 50, Jeff Pell 50, Leisa Cammuse 30.

Match 658, Women Rifle & Smoothbore Silhouette - Susie Hulvey 30, Leisa Cammuse 20, Bekah Paul 10.

Match 659, Junior Rifle & Smoothbore Silhouette - Mark Sargent 40, Gunnar Wright 30, Bekah Paul 30.

Match 680, Men's Rifle - Bill Wright 38-1X, Bob Kieffer 37, Albert Derks 35.

Match 681, Women's Rifle - Rennea Hutton 8, Jeannine Marchesseau 5.

Match 682, Men's Flying Bull - No Entries

Match 683, Women's Flying Bull - No Entries

Match 685, True Doubles - Donald Black 4, MJ Longstreth 2, Jeannine Marchesseau 1.

Match 687, Sub-Junior Mountain Man or Squaw - Donald Black 4, M.J. Longstreth 2, Jeannine Marchesseau 1.

Match 687, Sub-Junior MTN Man or Squaw 11 & Under - Tristan Rogers 33, Olivia Rosemeyer 27.

Match 688, Mike Money Memorial - David Sargent 45-1X, Carsyn Schlehuser 39, Olivia Rosemeyer 37.

Tomahawk and Knife Matches

Match 660, Sub-Junior Boys - Tristan Rogers 16, Isaiah Stone 11, Wyatt Froedge 10.

Match 661, Sub-Junior Girls - Olivia Rosemeyer 9, Lainey Deemer 8, Olivia Daugherty 6.

Match 662, Men Senior Division - John Purdy 18, Art Farnsley 17, Gary Stern 14.

Match 663, Men Junior Division - Ethan Stone 11, Jackson Ross 10, Ben Stern 9.

Match 664, Women Senior Division - Nicole Deemer 13, Melissa Backscheider 12, Leisa Cammuse 11.

Match 665, Women Junior Division - Jamie Thomas 12, Michal Greenlee 9, Sarah Mings 8.

Match 667, Men Knife - Art Farnsley 16, Will Skertic 14, John Purdy 13.

Match 668, Women Knife - Sarah Farnsley 12, Susie Hulvey 5, Caleigh Farnsley 5.

Match 669, Tomahawk Aggregate - Gary Stern 7, Art Farnsley 6-3X, Michael Hacker 2-1X.

Match 670, Knife Aggregate - Gary Stern 3-1X, Art Farnsley





2, Will Skertic 1

Match 671, Tomahawk & Knife Aggregate - Gary Stern 10-1X, Art Farnsley 8-3X, Will Skertic 3.

Match 672, Men's Junior Knife - Ethan Stone 8, Ben Stern 7, Bob Sargent 2.

Match 673, Women's Junior Knife - Michal Greenlee 6, Julie Bittner 6, Sarah Mings 2.

Match 674, Sub-Junior Girls Knife - Olivia Rosemeyer 4, Evie Vandandeghem 1.

Match 675, Sub-Junior Boys Knife - Tristan Rogers 15, Isaiah Stone 13, Allister Stone 7.

Primitive Bow Matches

Match 900, Men's Shawnee Harvest Hunt - Don Black 318, Roger Hart 253, John Purdy 200.

Match 901, Women's Shawnee Harvest Hunt - Jeannine Marchesseau 276, Noreen Lanning 213, Susie Hulvey 177.

Match 902, Junior's Shawnee Harvest Hunt - Ethan Stone 174, Ben Stern 143.

Match 903, Men's Elk - Don Black 37 ½", John Purdy 31 1 1/8", Mike Avey 28 1 ½".

Match 904, Women's Elk - Jeannine Marchesseau 31 1", Susie Hulvey 20 8 ¼", Noreen Lanning 10 8".

Match 905, Junior Turkey - Ethan Stone 18 2"

Match 906, Five Card Poker - Don Black 4 Queens King High, Ron Gebby 3 Aces 7 High, Jeannine Marchesseau 3 Aces 5 High.

Match 907, Primitive Shawnee Harvest Hunt - Don Black 304,

Donnie Hulvey 183, Jeannine Marchesseau 163.

Match 908, Sub-Junior Turkey Hunt - Michal Greenlee 42 5/8", Tristan Rogers 36 ½", Will Klenke 20 3/4".

Match 909, Running Deer Match - Jeannine Marchesseau 10 1/16", Don Black 10 ½", John Purdy 10 5/8".

Match 910, Sub-Junior Shawnee Harvest Hunt - Michal Greenlee 234, Tristan Rogers 164, Sarah Mings 130.

Match 911, Sub-Sub Junior Turkey Hunt - Jeremiah Jury 34 2", Mia Rogers 18 2 ¼, Riley Muniz 5 12¾".

Match 912-Sub-Sub Junior Shawnee Harvest Hunt - Jeremiah Jury 132, Riley Muniz 15, Isaac Banta 5.

Trap Matches

Match 101, National Championship - Sam Sellaro 98, Andy Larson 96, Mark Sellaro 90, Joe Fortkamp 90, Max Horton 89.

Match 102, John "Catfish" Elliott National Flint Championship - Andy Larson 44, Dean Borders 38, Tom Hart 37, Buddy Townsend 35, Duncan Dawkins 35.

Match 103, Vic Beeson High-All Around - Sam Sellaro 196.

Match 104, 16 Yard Match - Matt McGraw 30, Sam Sellaro 30, Rady Dyer 29.

Match 105, Charlie Hunt Memorial, 20 Yard Match - Sam Sellaro 20, Rady Dyer 19, Andy Larson 18.

Match 106, Doubles Frank Alsip Memorial- Match 107-A, Protection - Eric Engelberth 24, Tom Hart 21, Mark Sargent 20.

Match 107-A, Protection - Sam Sellaro 20, David Hitchner 20, Rady Dyer 20, Tina Hitchner 20, Nick Doll 19, Jeff Nunn 19.

Match 107 B Protection - Max Horton 19, Rick Henderson 19, Sam Sellaro 19, Ricky Henderson 19, John Miller 19, David Hitchner 19.

Match 108, Calcutta (Beeson 5-Stand) - Sam Sellaro 18, Ronny White 16, Jeff Nunn 16.

Match 109, Women's - Mistie Hamilton 15, Tina Hitchner 14, Terri Townsend 12.

Match 110, Originals - Matt McGraw 15, Blake Hamilton 13, Gary Morgan 13.

Match 111, Black Powder Cartridge - Matt McGraw 22, Andy Larson 22, Buddy Townsend 21.

Match 112, V.M. Starr - Rady Dyer 19, Mark Sellaro 19, Jerald Sendelweck 17.

Match 113, Team Double Dove - Rady Dyer 21, Jeff Nunn 21, Buddy Townsend 20, Blake Hamilton 20, Pat Sting -18, Aaron Moystner 18.

Match 114, Dove Shoot - David Hitchner 18, Blake Hamilton 17, Nick Doll 17.

Match 115, Single Barrel (5-Stand) - Ronny White 18, Larry Kershner 17, Blake Hamilton 16.

Match 116, Flint - Dean Borders 13, Buddy Townsend 13, Tom Hart 12.

Match 117, Protection - Terri Townsend 20, Rady Dyer 20, David Hitchner 19, Trevor Delaney 19, Pat Sting 19, Sam Sellaro 19.

Match 118-C, Black Powder Cartridge - Buddy Townsend 23, Matt McGraw 22, Rob Langdon 19.

Match 119, Novice 16 Yard - Burley Yeubanks 14, Ricky Henderson 12, Joe-D Baxter 10.

Match 122, 16 Yard - Sam Sellaro 20, Rady Dyer 19, John Miller 19.

Match 123, Co-Ed Match Protection - Terri Townsend 20, Buddy Townsend 20, Linda Orndorff 20, Sam Sellaro 20, Missy Doster 18, Colt Doster 18.

Match 124, 20 Yd. Novice - Douglas Erbeck 12, Aaron Moystner 10, Joe-D Baxter 9.

Match 125, 16 Yd. Women's Novice - Loweve Yeubanks 7.

Match 126, Women's 20 Yard - Amanda Weisel 13, Tina Hitchner 11, Terri Townsend 11.

Match 127, Doubles - Tom Hart 21, Jeff Nunn 18, Eric Engelberth 16.

Match 128, Military Veterans - Will Elliott 20, Tom Hart 19, Byron Bailey 18.

Match 129, Flint - Tom Hart 12, Dean Borders 12, Buddy Townsend 11.

Match 130, Frank Blaurock Intermediate - Mark Sargent 11, Wyatt Frist 9, Alliey Nunn 9.

Match 131, Originals 20-Yard - Blake Hamilton 14, Matt McGraw 14, MJ Longstreth 11.

Match 133, Black Powder Cartridge - Matt McGraw 23, Byron Bailey 21, Buddy Townsend 21.

Match 134, Black Powder Cartridge - Matt McGraw 22, Buddy Townsend 19, Andy Larson 19.

Match 135, Black Powder Doubles - Rady Dyer 23, Pat Sting 22, Eric Engelberth 17.

Match 200, Women's National Championship - Dawn Traylor 44, Tina Hitchner 44, Terri Townsend 44, Amanda Weisel 42, Sommer Tucker 41.

Match 202, Trophy Shoot - Sam Sellaro 30, Max Horton 30, Andy Larson 30.

Match 203, Linda Ghelhausen Memorial - Tina Hitchner 15, Terri Townsend 14, Dawn Traylor 14.

Match 204A, Novice - Ricky Henderson 15, Joe-D Baxter 14, Brett Dudley 10.

Match 204B, Novice - Jeff Davies 14, JC Smith 14, Brett Dudley 13.

Match 205, Vern Spivey Memorial, 10 Yd. Daily Aggregate - Mark Sellaro 60, Sam Sellaro 60, Buddy Townsend 57.

Saturday: Mark Sellaro 15. **Sunday:** Mark Sellaro 15. **Monday:** Mark Sellaro 15. **Tuesday:** Sam Sellaro 15

Match 206, 10 Yd. Daily Aggregate - Buddy Townsend 60, Eric Engelberth 55, Burley Yeubanks 13. **Wednesday:** Buddy Townsend 15. **Thursday:** Buddy Townsend 15. **Friday:** Buddy Townsend 15. **Saturday:** Buddy Townsend 15.

Match 207, Novice Nights - Ricky Henderson 14, Robert Nicholson 5, JC Smith 3.

Match 208, Melvin Blaurock Junior Novice - Tanner Fields 7, Wyatt Frist 7, Andrew Davies 5.

Match 209, Women's 10 Yd. Daily Aggregate - Linda Orndorff 50, Missy Doster 32, Kristi Vivitoe 22. **Saturday:** Linda Orndorff 12. **Sunday:** Linda Orndorff 14. **Monday:** Linda Orndorff 12. **Tuesday:** Linda Orndorff 12.

Match 210, Women's 10 Yd. Daily Aggregate - Linda Orndorff 43, Brenda Smith 20, Missy Doster 19. **Wednesday:** Linda Orndorff 11. **Thursday:** Yvonne Knight 11. **Friday:** Linda Orndorff 13. **Saturday:** Brenda Smith 11.

Match 211, Nights 16 Yd. - Gary Morgan 13, Colt Doster 13, Rick Henderson 12.

Match 212, Traditional - Matt McGraw 20, Blake Hamilton 20, Sam Sellaro 20.

Match 213, Women's Novice - Birdie Luma 12, Morgan DePries 9, Loweve Yeubanks 9.

Match 214, Women's Night 16 Yd. - Dawn Traylor 13, Linda Orndorff 12, Missy Doster 10.

Match 215, Women's High-All Around - Tina Hitchner 102.

Match 216, 10 Yard Championship - Max Horton 50, Mark Sellaro 49, Sam Sellaro 48, Andy Larson 48, Rady Dyer 47.

Match 217, Claire and Bill Danforth Sub-Junior - Jeremiah Nunn 3, Will Traylor 3, Andrew Davies 2.

Match 218, Flint - Dean Borders 19, Buddy Townsend 18, Andy Larson 18.





Match 219, Juniors - Mark Sargent 12, Jamie Thomas 9, Tanner Fields 6.

Match 301, Brady Meltzer 10 Yd. Championship - Matt McGraw 50, Blake Hamilton 50, Sam Sellaro 47, Max Horton 46, Tom Hart 43.

Match 302, Earl Wildey Old Timers Memorial (60 & Older) - Rady Dyer 15, Tom Hart 15, Burley Yeubanks 15, Terri Townsend 15, Mark Sellaro 15.

Match 303, Saturday through Tuesday - Mark Sellaro 20, Buddy Townsend 20, Jeff Nunn 19.

Match 304, Wednesday through Saturday - Buddy Townsend 20, Mark Sellaro 20, Jerry Knight 19.

Match 305, Flintlock - Dean Borders 15, Buddy Townsend 13, Tom Hart 12.

Match 306, Bob Nelson's Originals - Sam Sellaro 20, Blake Hamilton 20, Matt McGraw 19.

Match 307, Mixed Match (1 man, 1 woman) - Mistie Hamilton 20, Mark Sellaro 20, Sommer Tucker 20, Sam Sellaro 20, Blake Hamilton 19, Amanda Weisel 19.

Match 308, Novice - Joe-D Baxter 15, JC Smith 14, Blake Ramos 14.

Match 309, Shoot 'Til You Miss - Sam Sellaro 50, Mark Sellaro 21, Rady Dyer 14.

Match 310, Veteran's National Championship (60 & Older) - Andy Larson 30, Rady Dyer 29, John Miller 29, Max Horton 29, Mark Sellaro 28.

Match 311, Small Bore - Rady Dyer 29, Eric Engelberth 29, Jerald Sendelweck 27.

Match 312, Novice Nights 10 Yd. - Jeff Davies 13, Andy Sargent 12, JC Smith 9.

Match 313, Nights 10 Yd. - Blake Hamilton 15, Gary Morgan 14, Peter Wygant 14.

Match 314, Doc Reimann Jr. Nights - Mark Sargent 12.

Match 315, Women's Night 10 Yd. - Linda Orndorff 10.

Match 316, Super Senior - Jerald Sendelweck 15, Tom Hart 15, Jerry Knight 15, Byron Bailey 14, David Yeubanks 14.

Match 320, Janet Dauberd Memorial - Mistie Hamilton 19, Terri Townsend 18, Amanda Weisel 18.

Skeet Matches

Match 1, Skeet Championship - Bob Pence 23, Rady Dyer 23, Dunc Dawkins 23.

Match 2, Women's Championship - Erie Ann Lernout 11, Sommer Tucker 11, Terri Townsend 10.

Match 3, Doubles Championship - Hal Carmichael 23, Rady Dyer 23, Dunc Dawkins 18.

Match 4, Wm. Harden Foster Memorial Low-Gun Championship - Dunc Dawkins 24, David Jones 22, Jim Tucker 22.

Match 5, Flint Championship - Dunc Dawkins 15+, Joe Brown

15, Matt Herr 14.

Match 6, Larry Smith Memorial Double Gun Flint Championship - Jim Tucker 20, Harry Sparks 19, Mike Franklin 18.

Match 7, Wilford Shaw Championship - Sam Gladden 23+, Rady Dyer 23, Jim Tucker 22.

Match 8, Sub-Junior's Championship - No Entries

Match 9, Junior's Championship - Ryan Heim 4.

Match 10, Intermediate Championship - Ryan Heim 5.

Match 11, Mixed Championship - Jim & Sommer Tucker 28,

Dunc Dawkins & Terri Townsend 25, Jack & Judy Coates 23.

Match 12, Skeet Agg. Championship - Dunc Dawkins 30, Rady Dyer 27, Sommer Tucker 27.

Match 13, AL-Gentleman's Original Gun Championship - Sam Gladden 24, Jim Tucker 23, Dunc Dawkins 23.

Match 14, Super Seniors - Jack Stoner 16, Joe Brown 16, Jim Tucker 15.

Match 16, Black Powder Cartridge - Rady Dyer 86, Jim Tucker 85, Joe Brown 84.

Bill Carmichael High Overall - Dunc Dawkins 65.

Night Singles - N/A

Night Doubles - N/A

Men's Daily Qualifier - Saturday: Sam Gladden 15-20,

Sommer Tucker 15-9, Joe Brown 15-5. **Sunday:** Bill Bell 16, Sam Gladden 16, Dunc Dawkins 16. **Monday:** Rady Dyer 16,

Jim Tucker 15, Sam Gladden 16. **Tuesday:** Bob Pence 15, Don Daugherty 13, Sommer Tucker 13. **Wednesday:** Dunc

Dawkins 15, David Jones 15, Don Daugherty 13. **Thursday:** Paul West 16, Dunc Dawkins 16, Harry Sparks 14. **Friday:** Hal

Carmichael 15, Mike Luma 14, Paul West 14.

Women's Daily Qualifier - Saturday: Judy Coates 10. **Sunday:** Sommer Tucker 12, Judy Coates 10. **Monday:** Eric Ann

Lernout 8. **Tuesday:** N/A. **Wednesday:** Lynda Yeubanks 6, Erie Ann Lernout 13. **Thursday:** Terri Townsend 12, Birdy

Luma 10, Erie Ann Lernout 13. **Friday:** Jennifer Wilcox 9.

Doubles Daily Qualifier - Saturday: Dunc Dawkins 13, Sam Gladden 12, Paul West 11. **Sunday:** Joe Brown 12, Dunc

Dawkins 12, Hal Carmichael 12. **Monday:** Sam Gladden 13, Rady Dyer 12, Sommer Tucker 12. **Tuesday:** Jim Tucker

13, Don Daugherty 9, Sam Gladden 10. **Wednesday:** Matt Herr 12, Dunc Dawkins 11, David Jones 10. **Thursday:** Jack

Stoner 13, Don Daugherty 11, Harry Sparks 11. **Friday:** MJ Longstreth 13, Sommer Tucker 11, Jack Stoner 11.

Low-Gun Daily Qualifier - Saturday: Dunc Dawkins 15, Jim Tucker 11, Jack Coates 9. **Sunday:** Joe Brown 14, Dunc

Dawkins 14, Sommer Tucker 11. **Monday:** Larry Cunningham 13, Jack Stoner 9, Harry Sparks 8. **Tuesday:** Mike Franklin

12. **Wednesday:** Jim Tucker 12, Larry Cunningham 13, Dunc Dawkins 14. **Thursday:** David Jones 13, Sommer Tucker 13, Mike Garrison 10. **Friday:** Jeremy Heim 8, David Jones 11.

Flint Daily Qualifier - Saturday: Jim Tucker 12-9, Mike

Franklin 12, Dunc Dawkins 11. **Sunday:** Dunc Dawkins 15, Jeff Cunningham 11, Kenneth Ross 9. **Monday:** Joe Brown

11, Harry Sparks 11, Steve Case 9. **Tuesday:** No Entries.

Wednesday: Bob Pence 13, Dunc Dawkins 13, Jim Tucker 12.

Thursday: Matt Herr 12. **Friday:** Dean Borders 10, Steve Case 10, Josh Heim 3.

Larry Smith Double Flint Qualifier - Saturday: Jim Tucker 10. **Sunday:** No Entries. **Monday:** Mike Franklin 13, Harry Sparks

12, Dean Borders 11. **Tuesday:** No Entries. **Wednesday:** Matt Herr 10, Jim Tucker 9, Jeremy Heim 4. **Thursday:** Dean

Borders 11, Mike Franklin 16. **Friday:** Joe Brown 11.

Wilford Shaw, Seniors Daily Qualifier - Saturday: Dunc Dawkins 16, Don Daugherty 15-7, Joe Brown 15-4. **Sunday:** Sam

Gladden 16, Dunc Dawkins 16, Jim Tucker 15. **Monday:** Jim Tucker 16, Rady Dyer 16, Bill Bell 14. **Tuesday:** Bill Bell

15, Jim Tucker 13. **Wednesday:** John Cleveland 13, Sam Gladden 16, Dunc Dawkins 14. **Thursday:** Mike Luma 15,

Harry Sparks 14, Charles Martin 14. **Friday:** Jack Stoner 13, Charles Martin 11, Sam Gladden 16.

Quail Walk

Match 1, Daily - Jim Hunt 9-5-4, Tom Cashbaugh 8-8-0, Rob Langdon 8-7-4.

Match 2, Daily - Tom Cashbaugh 9-9-0, John Nail 8-4-2, Fred Alford 7-6-1.

Match 3, Daily - Mike Norman 10, Jay Toler 8-6-2, Dennis Cochran 7-4-2.

Match 4, Daily - Jay Toler 8-7-1, John Clark 8-7-1, Chuck Paul 8-5-3.

Match 5, Daily - John Scanlon 7-4-3, Dave Marowski 7-4-1, Jay Toler 6-4-1.

Match 6, Daily - Dan York 8-6-2, MJ Longstreth 8-4-3, Brian Behrends 7-5-1.

Match 7, Daily - Tim Beauchot 9-5-4, Brian Behrends 7-5-1, Ron Reckers 6-6-0.

Match 8, Daily - Rob Langdon 9-9-0, Todd Bittner 9-7-2, Jim Hunt 8-6-2.

Match 9, Doubles - Rob Langdon 8-8-0, Drew Reckers 8-4-4, Jake Haugh 6-4-2.

Match 10, Flintlock - Rob Langdon 9-7-2, Kenny Moore 7-3-3, Dan York 7-3-2.

Match 11, Old Timers - Mike Garrison 10, Tom Cashbaugh 8-4-4, Bill Krall 7-5-2.

Match 12, Juniors - Jayden McAdams 5-3-1, Landin Behrends 4-3-1, Wyatt Frist 3-2-1.

Match 13, Women's - Adina Cloud 6-5-1, Kathy Alford 6-3-3, Michelle Volkman 3-1-1.

Match 14, Hunter's - Jay Toler 80, John Miller 70, Rob Langdon 50.

Match 15, Olde Dog - Mike Garrison 9-6-3, Dave Marowski 6-2-



2, Dick Lernout 6-2-2.

Match 16, Trade Gun - Chuck Paul 7-6-1, Dan York 6-2-2, Tom Cashbaugh 5-2-1

Match 17, Intermediate - Jayden McAdams 4-2-1.

Match 18, Novice - Rob Frist 7-3-3, Michelle Volkman 4-2-1.

Match 19, Wednesday's Covey - Don Wells 9-9-0, Tom Cashbaugh 9-9-0, Dave Marowski 8-6-2.

Match 20, Ladies Covey - Kathy Alford 6-3-3.

Match 21, Girls Junior - NO Entries

Match 22, Sub Junior - Landin Behrends 5-3-1, Noah Rackley 2-1-1.

Quail Walk 50th Anniversary Match - Don Wells 10, Steve Sinclair 8-8-0, Mike Nordman 8-7-1.

Championship - John Scanlon 9, Donnie Wells 8, Jay Toler 7.

Sporting Clays

Men's Daily Double Barrel - Saturday: Rod Gates 16, Bill Madsen 14, Fred Alford 14. **Sunday:** Ronnie White 16, Mike Stoner 15, Rod Gates 14. **Monday:** Larry Kershner 14, Mark Flayharty 13, Rod Gates 13. **Tuesday:** Bob Pence 14, Bill Madsen 14, Mark Flayharty 14. **Wednesday:** Rod Gates 17,

Gene Thurston 17, Bill Madsen 16. **Thursday:** Bill Madsen 17, Mark Flayharty 15, Rick Mays 15.

Women's Daily Double Barrel - Saturday: Kathy Alford 12, Judy Coates 5. **Sunday:** Adina Cloud 6, Kathy Alford 2. **Monday:**

Kathy Alford 5, Erie Ann Lernout 4, Adina Cloud 4. **Tuesday:**

Judy Coates 7, Erie Ann Lernout 6, Kathy Alford 5. **Wednesday:**

Erie Ann Lernout 6. **Thursday:** Eric Ann Lernout 12, Judy Coates 6, Adina Cloud 5.

Single Barrel - Saturday: Larry Kershner 9. **Sunday:** John Kemple 9. **Monday:** Bill Madsen 8. **Tuesday:** N/A. **Wednesday:**

Ronnie White 9. **Thursday:** Bob Pence 9.

Flints Daily Qualifiers - Saturday: Jerry Von Dielingen 13.

Sunday: Mike Franklin 14. **Monday:** Jerry Von Dielingen 9.

Tuesday: N/A. **Wednesday:** Jerry Von Dielingen 16. **Thursday:**

Harry Sparks 11.

Single Barrel Championship - Erie Ann Lernout 7, Kathy Alford 6, Judy Coates 6.

Flint Championship - Dick Lernout 14, Mike Franklin 13, Harry Sparks 13.

Top Gun Men's Championship - Gene Thurston 10, Bob Pence 8, Bill Madsen 7.

Top Gun Women's Championship - Erie Ann Lernout 7, Kathy Alford 6, Judy Coates 6.

Doubles Championship - Jerry Von Dieleigen 17, Rod Gates 17, Mark Flayharty 15.

New Record Scores – 2017 NMLRA Fall National Championship Shoot

*Tied Existing Score
Match Composition

+Tie Match or New

Rifle Aggregates/Championships

Agg. GG- A.M.S Offhand Aggregate - Tim Marsh 192-4X.

Agg. OO- Long Range Silhouette Championship - Cees Kalfsvel 214.

Rifle Matches

Match 008 - The Pioneer 25 YD - Richard Marsh Offhand 50-3*

Match 106 - Smoothbore 25 YD - Harry Marsh 50-3X

Match 152 - Bench 100 YD - Robert Dickson 50-5X*

Match 180 - Boss Johnston 100 YD Slug - Kevin Warner 50-5X*

Match 189 - 500 Yds. - Everette Donegan 100-4X.

Match 318 - Long Range Silhouette - Raymond Hopkins 93

Match 319 - Long Range Silhouette - Leka Kalfvel 60

Match 344 - Inline Hunter Silhouette - Robert Wetzler 10.

Match 350 - BPI Silhouette Match - Robert Wetzler 21.

Match 468 - Flint Buffalo 100 YD - Dick Thorn 49

Match 853 - BPI B-19 Target (200 YDS) - Robert Wetzler 82.

Match 854 - BPI SCH-3 Target (200 YDS) - Robert Wetzler 93-2X.

Match 855 - BPI SR-3 Target (200 YDS) - Robert Wetzler 97-3X.

Match 351 - BPS Silhouette Match - James Davis 27.

Match 856 - BPS B-19 Target (200 YDS) - Stanley Reed 89

Match 857 - BPS SCH-3 Target (200 YDS) - Stanley Reed 93-3X

Match 858 - BPS SR-3 Target (300 YDS) - Michael W. Hoke 97-3X

Pistol

Match 1 - Caplock 25 Yds. Slow Fire - Jason Gregoire 100-8X*

Match 14- National Muzzleloading Pistol Championship 1000 Point Aggregate - Jason Gregoire 956-30X MB



ERIEANN LERNOUT WON

1st Sporting Clays (Women)

1st Skeet (Women)

1st Quail Walk (Women)

AFTER A 12 YEAR ABSENCE! MB

WEB BLASTS



Alan Garbers



<https://www.travelblog.org/North-America/United-States/Colorado/Rangely/blog-703047.html>

Canyon Pintado National Historic District – Part of the wonder of living history is to actually see what “they” saw. This area of northwestern Colorado is rich in prehistoric rock art. Along with the wonder of who and why the artwork came to be, is who and when it was seen through history. We know that the artwork was seen by Spanish explorers in 1776 and then again by cowboys in the late 1800s. It was most likely also seen by trappers and traders during the western fur trade era. Stand where they stood and wonder in awe as they did.

frontiertimesmagazine.com

Frontier Times Magazine – “These historical and genealogical documents were published in Texas by J. Marvin Hunter from October, 1923 until December, 1954 under the title, J. Marvin Hunter’s FRONTIER TIMES MAGAZINE. In the 1970s, Western Publications reprinted most of the volumes. Mr. Hunter published his periodical during a time when early Texas settlers, pioneers, cattlemen, and observers of the events of Texas history were still alive and able to tell their stories. This is one of the most valuable assets of this magazine. Its articles are written largely from the vantage point of the eye-witness observer or actual participant in the event. Mr. Hunter sought to gather as much of this eye-witness testimony as he could before the generation of these settlers passed on.” These magazines are in digital format and can be downloaded for a fee.

books.google.com/books/about/

Google Books – many hard-to-find or out-of-print books or documents can be found here, all free to download. This service is invaluable in researching key records of the Old West, fur trade era, Civil War, and even earlier, without having to pay hundreds or thousands of dollars to buy the original.

libraryguides.missouri.edu/c.php?g=28142&p=173449

Government Documents as Primary Sources – Interested in what our government was doing during key times of development? Looking for historical documents or other forms of media? This is a great starting place.

nps.gov/beol/index.htm

Bent’s Old Fort – Relive the western fur trade era when you visit this National Historic Site in Colorado. The adobe fort was rebuilt as accurately as possible following information from historical documents and onsite archaeology. A visitor truly feels as though they have stepped back in time, to the point that the NPS personnel roam the fort in period dress. Don’t wait a quarter of a century to see this place as I did. Plan your trip now.

youtube.com/user/FortuneCookie45LC

Hot Lead Zone Express – “Thank you for boarding the Hot Lead Zone Express. Some great stops along the way - Reloader’s Gulch, Handgun Valley, Rifle Ridge, Mount Shotgun, Archer’s Hollow and the Bullet Casting Pit - your choice on where you want to visit. They’ll be fun, discovery, and sharing from very knowledgeable fellow passengers on the way.” With 25,000 subscribers and over 1,000 videos, I know there’s something each and every one of you will enjoy.

pioneerthinking.com/natural-dyes

Natural Dyes – There’s something unnatural about period clothing that looks store-bought. Avoid that problem by dyeing the garments with natural dyes yourself.

thespruce.com

Dyeing Clothing – As long as we are on the topic, this site has just about everything you need to know to dye things with natural or processed dyes. Just perform a search for what you are looking for.

modomake.com/nanaimo-leather/14197030/plant-dye-leather

Natural Dyes For Leather – One more site for those that want to dye their leather projects. This site has instructions as well as large photos showing the process.

modomake.com/nanaimo-leather/14170543/sewing-tips-leather

Sewing Recycled Leather – Interesting thought... How many things could you make from old out-of-style leather garments, old leather furniture, and more? New leather isn’t cheap, but often used leather items can be had cheap or even free. Check out this site for information on how to sew recycled leather. MB

Have something to share? If you find an interesting website related to muzzleloading or muzzleloading accoutrements, send me a message at alanjamesgarbers@yahoo.com and I’ll check it out.



Charter Club CHATTER

By Doug Zaffino

Hello everyone. It's fall already (as I write this). Hunting season in Pennsylvania is not far away and this year I'm looking forward to getting out in the woods. Now to get the chores done so I can get out there. I often wonder why everything I enjoy doing gets put on the back burner. I figure I'm not a lone in this.

At this year's field rep meeting (at Friendship) the question was brought up "What does the NMLRA do for its Charter Clubs?" A few years back at a Field Rep meeting (Western National Shoot) I was asked, "What do the Charter Clubs do for the NMLRA?" I'll try to answer both questions.

In the process of the above two questions we sometimes forget the actual individuals. The NMLRA serves its members, and its charter clubs. The charter clubs serve their members and are a conduit for new memberships into the NMLRA. Both organizations can't exist without their members.

With a Charter Club, an NMLRA member has a place to shoot, whether it's recreational or competitive. A Charter Club can provide a certain family relational effect.

A Charter Club can be an educational venue. Clubs and members are invited to take advantage of the NMLRA/ NRA education opportunities. These courses are excellent. Clubs are ideal locations for a classroom, as well as hands on. The NMLRA can provide certified instructors to help train a club's shooters. Range officer classes are available to all. Many Charter Clubs host classes and the NMLRA will guide you to a certified trainer.

Everyone will notice a benefit we see so often that we don't always look at it as one: the Shoot Date ads in *Muzzle Blasts*. These include contact info as well.

Field Reps can be a big help to Charter clubs and are also periodically listed in *Muzzle Blasts*. Field Reps can handle questions about muzzleloading and the NMLRA. They are a great source for info.

Don't forget the NMLRA's revamped website. There is a plethora of good information available to black powder enthusiasts and

you don't have to be an NMLRA member to access the website.

While on the subject of information, remember there is space in *Muzzle Blasts* for your own Charter Club's story. We strongly urge clubs to pen and send in an article about your club, complete with a couple of pictures. Take advantage of this offer; it's cheap advertising. It's been a while since we've featured a club. Speaking of advertising, don't forget also that there are discounts to club advertisements in *Muzzle Blasts*.

Don't forget about the office. Clubs, members, use these wonderful ladies; these ladies are polite, knowledgeable and willing to go the extra mile for your satisfaction. Official NMLRA targets are made available at a discount through the NMLRA. When Charter Clubs use NMLRA targets a sense of uniformity occurs. Most shooters are familiar with these targets as well as the procedures for shooting and scoring. Note: as a suggestion, targets are expensive to ship, so if you have a club member coming to a national shoot, have them pick up the targets and save the postage.

The NMLRA maintains a program in which two deserving clubs are picked each year to receive a \$500 matching grant. Safety and range improvements top the list of projects that may be considered. Each year I'm baffled, as so very few apply. Clubs need to take advantage of this opportunity.

How many clubs have a program that allows for recognition of shooting with perfection? The NMLRA and Charter Clubs have joined together to award "50" shooters with a pin that the participant can wear or display with ear-to-ear pride. The "50" pin has become the Charter Club moniker. Its design was based on a representation of the partnership of the NMLRA and the Charter Club.

Well there you have it. I'm sure I forgot something (par for me). Hopefully we can get old and new programs going in the future. As what Charter Clubs do for the NMLRA and vice versa, well, it's up to both of us to decide what we want to do for each other. This list can be just a start. Let's all get together to make for a new future. MB

CHILHOWEE MATCH *From Rick Weber*

New NMLRA members (John Mankins and Barry Brakebill) who have attended Friendship the past few years asked what I thought of them hosting a State ML match for In-lines — following the Rules & Regulations of the NMLRA of course. At first we discussed the overall idea, then the possibility of a national event for each state. Instead of creating another program and reinventing the wheel, why not use a program already in existence — Territorial Program. A quick and educating call to the NMLRA Territorial Program director (Loretta Cruz) who was very informative and knowledgeable about the program, informing me that the Territorial program has had an In-line match for many years. So, with that information and some discussions with other members about the Territorial program, we embarked on setting up the 1st TN state in-line muzzleloading match. First the host club (Chilhowee Rod & Gun) became a Charter Club, then the few requirements were met to host the match — just like any other Territorial, the match format may be as specific or broad as deemed necessary for the event (ex. pistol, rifle, shotgun, or in this case an in-line match).

John and Barry put a lot of work into this event and wanted to host and support the NMLRA in a way that exposes the fun of shooting a ML and what they can do; not to mention it was well organized, well run with range officers, competitive and enjoyable — not to mention the good people.

The weather was great and we had 22 shooters which included 4 youth and 2 women. Using NMLRA official targets at 50, 100 & 200 yards the match started promptly at 9am and was completed just after noon. A great BBQ lunch was provided by John and the awards were given out to the 3 classes: Men, Women and Youth. Barry was the top TN resident and won



the award, but I noticed that 6 shooters were within 7 points of his score — it was that close.

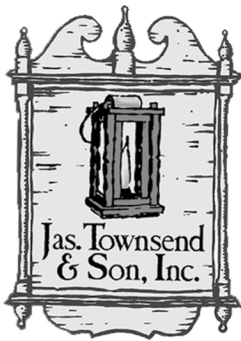
I brought 2 new shooters/hunters Don Mabry and Chris Park who had never attended such an event — they used their standard hunting load. One thing they learned, it's not as easy as one might think and an entirely different game with shooting on paper than in the field! They were not deterred as I believe they are now encouraged to shoot their ML more and to be more proficient with it — to me, this is what the NMLRA and Friendship is all about; promoting, educating, encouraging and assisting with ML shooting in whatever way possible. They inquired about becoming members of the NMLRA and now want to attend Friendship. We actually had 6 people who joined the NMLRA from this one small event — how about that! No doubt, once they are exposed to Friendship — they will have a completely different perspective of all the types of ML that are out there and what the NMLRA is all about.

As for John and Barry, I hope others may find joy in promoting ML in any way possible as they have done. One thing's for sure, it's the people that make it so enjoyable and the friendships that continue on. MB

BAYOU MUZZLELOADERS' CLUB SHOOT



Doug Truxillo, #441 of 1000, participated in the Bayou Muzzleloaders' Club Shoot and Postal Shoot in June dressed in period garb.



18th & 19th Century Reproduction Clothing & Accessories

Authentic Men's & Women's Attire.
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PRESS RELEASE Longhunter Big Game Records Book Vol. VII



The National Muzzle Loading Rifle Association (NMLRA) and the Longhunter Society proudly announce the publication of the new, **seventh edition** of the *Muzzleloading Big Game Record Book*. It is updated with the world records registered since the previous edition, and the stories of the hunts written by the successful muzzleloading hunters. The book presents a dozen categories of North American big game taken with muzzleloading rifles in accordance with fair chase rules. It is far more than a fireside reader, for it can also be used as a planner for record-book hunts: every listing specifies the location and the firearm used. Also included are score sheets, measuring instructions, geographic definitions, and photographs of the animals and the hunters. This new edition includes a total of 883 new trophy animals and 9 new world records.

The books are ready for pre-sale. To order, send a check for \$45 per book plus shipping for orders within the US payable to The Longhunter Society to this address: National Muzzle Loading Rifle Association, PO Box 67, Friendship, IN 47021; or for credit card orders, call 812-667-5131 ext. 221 or 232. The book can also be ordered online at www.nmlra.org. MB



A Living History Trade Fair and Annual Antique Arms Show

Hosted by Conner Longrifles

Hamilton County 4-H Fairgrounds, 2003 E. Pleasant Street,
Noblesville, Indiana. near State Rd 37 and 32

This show is between 1700 & 1899, 240 plus tables of antique arms, black powder supplies, blacksmithings, horn smithing, swords, knives, period clothing, pottery, re-enactors, native Americana collectibles.

35th Annual Show for year 2018

Saturday Feb. 17th 9am-5pm

Sunday Feb. 18th 9am-3pm

Sat. \$7, Two Day Pass \$10, Sun. \$5

Children under 12 Free

Door prizes awarded, Food available

NO Alcohol allowed on grounds at any time

Smoke-free building.

Free Parking, handicap accessible,

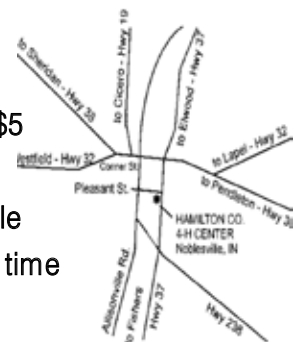
No pets except service animals

Wear your fancy duds if you like, most do

For more info:

Contact:

Mike Bird 1-317-902-3710



2018 Western National Shoot-Shooter Pre-registration Form

Please Type or Print Clearly

Name _____ Member No. _____ Exp. _____

Address _____

City _____ State _____ Zip _____

Phone (Day) _____ (Evening) _____

☐ Adult Pre-registration \$50.00 ☐ Junior Registration \$10.00

☐ Yes, I would like to sponsor a match for an additional \$25.00

☐ Yes, I would like to sponsor an aggregate for an additional \$50.00

Total
\$ _____

Please indicate what disciplines you shoot. Check all that apply.

☐ Rifle ☐ Pistol
☐ Shotgun ☐ Primitive
☐ BP Cartridge

BE SURE TO INCLUDE PAYMENT by check, money order, or charge card.

Please charge my ☐ VISA ☐ MasterCard ☐ Discover

Card Number _____ Exp. date _____ 3 digit V-Code _____

Signature _____

Pre-order Rifle Match and Rifle Aggregate Targets, too!

Refer to it to pick your matches and aggregates.

BE SURE TO INCLUDE MATCH NUMBER OR AGGREGATE LETTER when ordering targets.

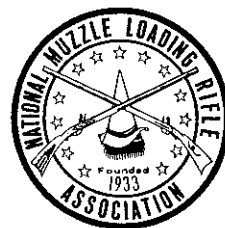
Payment for targets will be collected at the Target Desk.

National Shoot Match Guide will be available in February.

Pre-registration deadline is February 1, 2018. Sorry, pre-registration fees cannot be refunded or transferred.

Mail to: NMLRA, P.O. Box 67, Friendship, IN 47021

For more information, visit our website: www.nmlra.org or call 812-667-5131



National Muzzle Loading Rifle Association



WESTERN NATIONAL SHOOT

February 27 — March 5, 2018

Ben Avery Shooting Facility

25 miles North of Phoenix, Arizona, on I-17

Camping information: (623) 582-8313 • Restrooms – Showers – Water

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Traders Row Coordinator – Dana Dore • 602-791-5236 • djdore@jps.net

For more information contact the NMLRA at (812)667-5131 • www.nmlra.org

Making and Fitting 1

By Fred Stutzenberger & Keith Lisle

PART 2

Part I of this series described the fitting of commercially made muzzle caps. Commercial caps are usually available in 1/16" increments for parallel-sided barrels ranging from 3/4" up to 1 1/8" across the flats. Most custom-contoured barrels (swamped or tapered) are of dimensions that do not fit commercial caps. Therefore you will have to make a custom-sized cap to fit your custom-sized barrel. That can be an opportunity for some creativity. In the Header Image, Keith was creative beyond the ordinary by sculpting the rear of the cap around the terminus of the ramrod groove molding. . . a nice touch.

Keith and Fred have discussed the making of muzzle caps at some length. Both will use a commercial cap if it provides a tight fit to the barrel and is of appropriate style. However, where a satisfactory cap is not commercially available, they will make custom-fitting caps, but by different methods. Keith makes his cap to fit the stock using the fore end as his forming mandrel (**Fig.1**). Fred takes an alternate approach: a custom barrel requires a custom mandrel (or swage) that can be used



(Fig. 1) Keith has formed the barrel of this muzzle cap, using the fore end as his mandrel. Here he is sliding the cap on to test the fit. When it slides back to the fore end shoulder, he will scribe the outline of the barrel channel on the inside of the end cap and cut that carefully to fit the barrel.

to form caps for certain groups of custom barrels. Since Fred usually orders custom barrels of the same dimensions in lots of three to five, it is comforting to have a swage that will turn out caps that will fit all in that particular lot.

First, look at Keith's strategy. It may be so appealing to you that you won't even consider making a custom swage (which Fred admits is a bit of a chore initially). Here it is in Keith's words; note that he uses the term noseclip for muzzle cap (the terms are interchangeable):

"I make my cap fit the stock. I take the forestock down to about 1/16" of where I want it to be. Then I measure the length I want the cap to be and I mark it on the wood. I use a coping saw to cut into the fore stock to the depth of about 1/16" on the line I made where the cap will meet the wood. Then I remove about 1/16" of wood forward of that line and file it & shape the wood. Now I take a piece of sheet brass that is normally somewhere between .060 to .085" and trim a piece about 1/8" longer than the length the noseclip will be. I lay it around the place where the cap will go and I start at the barrel edge, then roll it around the wood to the other side and mark the brass, then cut the brass off for that measurement. Next heat the piece of sheet brass red hot and quench it, and now it is very pliable. I have the barrel in the stock, I go back and I bend the annealed brass piece right around where it is to go, forming it to that individual fore stock shape, keep working, trimming and filing until I have it fitted well. Also as I bend it, I have a small C clamp at the top barrel flat to the center of the noseclip bottom, as when you bend it, the metal will have a tendency to raise at that point and be totally round, when in fact it will eventually be formed like a squashed culvert pipe in the end. I also trim the wood to the thickness of the noseclip and all fits well, level with the ramrod groove and the barrel channel side rails.

Now I have it to where it will slide on and off with minimal effort and the wood-to-metal fit is good. I slip it off the stock and lay it on another piece of sheet brass. I turn an Exacto knife over and using the back side of the tip of the blade, I scribe the inside of the noseclip I have formed on the brass plate. Then I cut out the end of the noseclip from the sheet brass I just scribed, and fit it to the noseclip and solder it in with Silver Bearing Solder (**Fig.2**). Slipping the noseclip back on the forestock, I now scribe or mark the wood on the noseclip inside, so I know what to cut out for the barrel. I cut that out with a jewelers saw just a bit proud of the wood



(Fig. 2) Keith reinforces the end plate of his muzzle caps with a sturdy filet of silver solder to support its forward edge that is most vulnerable to damage.

Muzzle Caps



Making a custom muzzle cap for your rifle provides an opportunity for creativity. This cap by Keith Lisle (Custommuzzleloaders.com) is shaped to fit a molding of the stock.

mark, as I want to fit it the best as I can. (I don't like gaps at the barrel-on-cap fit, I want it as close to perfect as I can get it). So I carefully slip it on, look at the barrel/cap fit, slide it off, file a bit, back on until I get it the best I can.

Once it is all fitted and I am satisfied, I take the barrel and lift it slightly at the noscap area. I grease it with some patch grease and wrap two thin pieces of shrink wrap around the last 6" of the barrel. I take the newly made noscap and I glass bed the inside of the noscap. I put dyed AcraGlas Gel inside the noscap and all over the wood where the noscap will go. Push the noscap on and squeeze most of the excess AcraGlas out. If the stock uses a 5/16" ramrod, I take a greased piece of steel rod that diameter and about 12" long and I lay that in the ramrod channel. I clamp from barrel to the rod. This pushes the noscap in a tad more, but now I have the noscap sandwiched between the steel rod and the barrel, thus no gap between the ramrod and the noscap. I take off the excess Acraglas with Q'tips. I check my wood metal fit to insure the cap is butting right against the wood. If it has moved, I loosen the 3 small C clamps & tap it snug to the wood and re-clamp.

I let it sit overnight. Next morning, I remove the clamps, rod and shrink wrap. Clean up all excess. Now I drill a hole thru the bottom of the barrel inlet about center of the length of the noscap, thru wood and noscap, and countersink the hole inside and outside on the noscap. (Imagine an hourglass-shaped hole) Now I make a copper rivet from a piece of bare # 8 or #10 gauge solid copper wire & form it into a rivet in a little swage block I use to make rivets. Slip the rivet in from the inside barrel flat thru the hole, mark the length about 1/8" excess that is coming thru the cap. Remove rivet and cut to length. Put rivet back in and lay a cut-off piece of barrel on the back side of a vice or anvil & invert the stock laying the barrel in the inlet and against the rivet. Then I carefully peen the rivet down until it fills the slight countersink made in the noscap. Then using a fine metal file, I file down the excess copper rivet flush with the noscap and also make sure the inside is flush with barrel inlet wood.

In summary, the noscap is on, looks good (Fig.3), fits the shape of that individual stock and will never come off. And also has the PC/HC look with the peened rivet in it. The Acraglas has filled all voids between the wood and the noscap, so it is a solid fit that will never dent or distort. If you ever have to remove it, drill out the rivet, heat the brass



(Fig. 3) A nicely formed and fitted muzzle cap by Keith. Note that the barrel protrudes beyond the cap to allow alignment of loading blocks if desired.

noscap with a propane torch & the Acraglas will let go so that you can slip it off the end of the fore stock."

So there you have Keith's tried-and-true procedure that has been tested on many rifles. Fred knows Keith too well to think that it won't produce a fine result. If that seems the right way to go, put down your magazine and head to the shop. However, if you are curious about an alternate method, read on.

Using swages for forming rifle hardware is a traditional blacksmithing method (<https://en.wikipedia.org/wiki/>). The method is still useful today. Fred's good friend Tom Harbin (now deceased) taught him to make swages from scrap sections of rifle barrel (Fig.4). Sometimes they formed half-octagon (faceted) swages to conform closely to V-shaped cross-sectional fore ends. Their faceted muzzle caps mimicked those sometimes seen on 18th Century Jäger rifles (2). The faceted caps eliminate the awkward transition from V-shaped to rounded cross-sections and allow a very slim fore end (Fig.



(Fig. 4) Samples of swages for custom-formed caps; some were formed using waste sections of barrels, others were milled from mild steel bar.

5); as one observer remarked, “Looks like the wood is just painted on the barrel”; a bit of an exaggeration, but suffice it to say that 3/16” is the absolute upper limit for the web of



(Fig. 5) You can't tell this is a one-piece swage-forged cap. There is less than 1/8" between the bottom barrel flat and the ramrod. This allows an ultra-slim fore end.

wood between the barrel and ramrod groove. On Fred's rifles, he tries to stay under that and frequently slims that down to 1/8" (you get a hint of that by looking at his one-piece swaged cap in Fig. 5). His propensity toward fore end skinniness is less stringent in making a Jäger rifle (but not much).

Tom and Fred also formed swages to graceful oval shapes and some a bit fatter for Jäger rifles. Whatever type they made, they usually put a tiny witness mark on the end to indicate the midline. Whatever the shape you choose, it is important to have a close fit to the underside of the barrel with no gaps (Fig. 6).

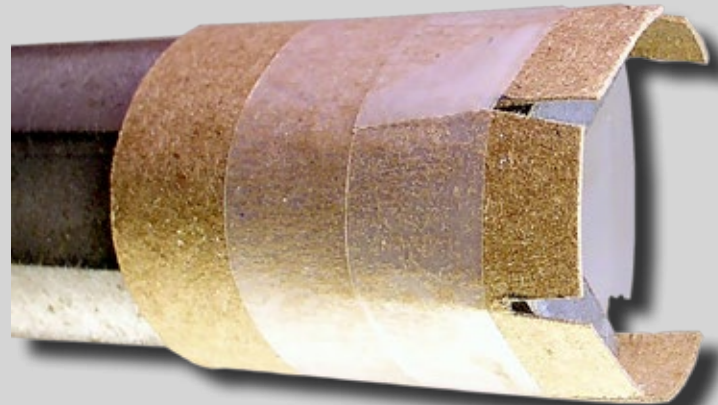
Fred's procedure for forming a one-piece muzzle cap using a swage follows:



(Fig. 6) Whatever cap forming method you use, pay particular attention to the end plate-barrel fit. The cap-to-barrel fit of this short Jäger cap is about as good as it gets.

1. Cut an oversize template from cardboard (the cardboard that new shirts are folded around before packaging is about 0.040" the same thickness of the sheet brass or mild steel they frequently used).

2. Wrap the cardboard template around the swage (Fig. 7) and trim it to shape, allowing a little overage to trim later to fit tightly along the sides of the barrel.



(Fig. 7) For making a one-piece swaged cap, do a mock-up with a cardboard template to check for fit around the swage. Removal of several small segments at the forward end will show how much metal to remove for the edges to fit together to form the end plate.

3. Glue the template to the annealed “mother” piece of thoroughly annealed sheet metal, then saw or snip out the metal.

4. Scribe a midline along the longitudinal axis of the metal. If you are planning to attach the cap to the stock via a small machine screw (a #4-40 works well), drill the hole in the midline right through the cap and into the swage. Enlarge the hole in the cap for clearance and tap the hole in the swage. Attaching the metal to the swage with the screw will keep the metal from slipping off center.

5. Holding the swage in the vise, form the metal around the swage. An adjustable radiator hose clamp will be handy to keep one end in place while forming the other.

6. Remove the metal tube from the swage and try it on the fore end, gradually working it into place over the wood and along the barrel using inletting black to indicate the areas of interference. Once you have it looking good, put the cap back on the swage and peen the flaps over on the end to form the end plate. On those faceted caps, Fred folds the bottom flap up first and snip/form/snip as you turn the flaps in on the oblique flaps. Fred left a faceted cap rough-swaged in Part I, Fig. 7, to show how the flaps come together if you look closely. On a swamped barrel, Fred does the cap-barrel final fitting with the barrel out of the

stock. The test of a good cap-to-barrel sides fit is whether the cap will cling in place to the barrel even when shaken. Just be patient in the fitting of the front of the cap to the under half of the barrel. Some people have the tendency to file more furiously as they get closer to the final fit. Wrong! You want to be more cautious as you get close to finished. You don't want to ruin what started out nicely to end up with big gaps that you can't discreetly peen shut.

7. With the barrel out of the stock, do the final fitting of the tube back against the shoulder of the mortise on the fore stock using inletting black as described in Part I. (Light tapping on the end of the tube protected by a piece of flat wood will help to fit against the shoulder of the mortise). Do the cling test again to make sure you did not distort the tube.

The biggest problem that beginners make for themselves is using metal too thick for easy forming; 0.040" is about as thick as practical for swaging one-piece caps and the tubes of two-piece caps. For two-piece caps, 1/16" thick brass will make a good end plate if well annealed. The barrel of a two-piece cap is simple to form and inlet; it is the end plate that requires care in shaping to fit the barrel and the cap without gaps between either.

After Fred shapes the fore end to its required slenderness, his protocol for making a custom oval ungrooved two-piece cap is as follows:

8. Clamp the barrel in the stock and make final adjustments. Form the tube from 0.040" thick metal on the swage as just described (but don't cut out any segments at the front end). Whatever the intended length of the cap tube, the barrel should extend at least 1/16" beyond the tube in place...perhaps a little more if you plan to use loading blocks. Plan ahead and do your measurements precisely. It is difficult to shorten the tube without distorting it after it is formed.

9. Make another template for the end plate. The final-shaped end plate should just slip inside the forward end of the tube without spreading it and with no gaps between it and the barrel. Glue the template on the sheet metal to be used for the end plate (1/16" – 1/8" thick) and carefully saw around the template.

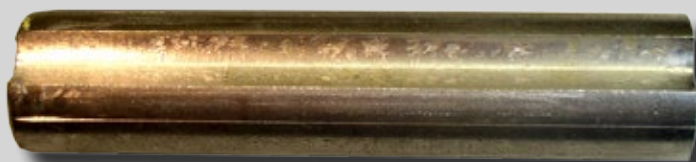
10. After careful fitting, solder the end plate into the barrel with low-temp (475°F) silver solder (see suppliers), making sure to leave a nice fillet around the inside mating surfaces for reinforcement. Attach the cap to the stock with a rivet or screw through a hole half-way along the barrel of the cap. If you want a sturdy, dent-resistant cap, fill any interior wood-metal voids with AcraGlas bedding. If you ever need to remove the cap (a remote possibility), remove the screw and heat the cap gently until it slides off.

Sheet metal caps with ramrod grooves are not Fred's favorites. They are harder to make than oval-bottomed caps; besides, a ramrod nestled in a deeply grooved cap is difficult to grasp, let alone withdraw, particularly in a damp, cold environment such as encountered during a winter hunt. Nevertheless, many rifles were made with grooved caps, perhaps because they shield the ramrod tip from catching on obstacles in dense undergrowth. If you look back to Fig. 7, you will see that the commercial grooved cap is the thickest of the lot at more than 1/4" between groove and barrel, making it look clubby by comparison. If building a rifle that just must have a grooved cap, it would be better to make a grooving swage to produce a cap to your desired dimensions. Fred milled his swage from two pieces of scrap steel found in a local tech school dumpster. A sturdy boss (Fig. 8) is secured to the underside of the swage body via a cap screw. The boss is held in the vise jaws while the



(Fig. 8) A boss on the bottom of this swage for forming grooved two-piece caps provides no-slip clamping in the vise while keeping the sides of the swage free for forming the cap around it.

swage body rests on top of the jaws to prevent the swage from slipping down under heavy pounding. The swage body has a groove over three inches long (Fig. 9), enough to make a long



(Fig. 9) There is enough swaging length here to form the long John Armstrong-type grooved caps.

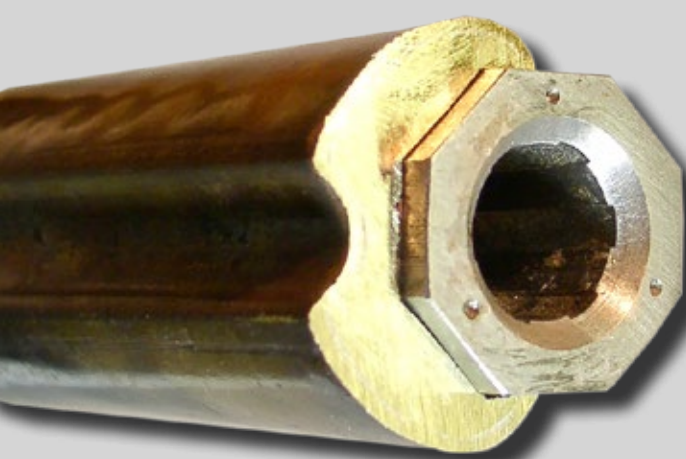
grooved cap (Fig. 10a) that passes the cling test (Fig. 10b). The



(Fig. 10a) The groove in this cap was formed using a 3/8" diameter steel rod as a counter swage.



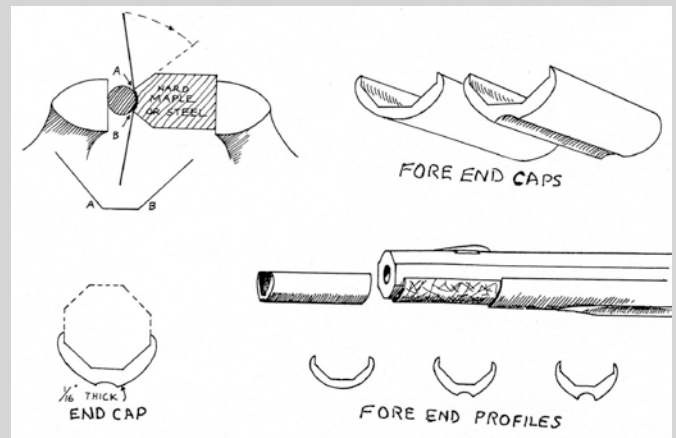
(Fig. 10b) If you shaped the barrel of the cap closely to the barrel, it will hang on even if you shake the barrel.



(Fig. 11) This cap-to-barrel fit looked pretty good to my aging eyes, but the close-up camera image picked up some gaps. Tiny gaps between barrel and cap can be closed by careful filing or peening at the edges of the thick end plate.

addition of a closely fitting end plate (Fig. 11) completes the cap.

Whatever style cap you choose, it should not appear as an overpowering lump sticking out of the fore end. Buchele et al. (1) made that point in their excellent *Recreating the American Longrifle*. Their diagrams of idealized muzzle caps depict the epitome of slenderness to the point of delicacy (Fig. 12). Keeping the sidewall of the muzzle cap low on the barrel, diminishing almost down to the oblique flat,



(Fig. 12) These diagrams of traditional muzzle cap shapes illustrate how slender a cap can be. Note that these caps come up no more than a third of the barrel sidewall height. Diagrams modified from Reference 1.

creates a pleasing effect, even on short, squat caps like those usually seen on Jägers (Fig. 13). The muzzle cap serves not only to protect the wood at that vulnerable point, but also lends an aesthetically pleasing termination to what should be a slender, graceful fore stock. In Part III, the forming of muzzle caps from horn or contrasting wood (or other materials) will be described. MB



(Fig. 13) Showing more of the barrel accentuates the flare of a swamped muzzle. The illusion works with solid horn muzzle caps too. Note the Nu-Gold muzzle band. It will show up better after browning or bluing.

Acknowledgment

Thanks to Scott Kaufman and Dock Houston, College of Engineering & Sciences, Machining and Technical Services, Clemson University, for their advice and assistance in this work. Thanks to John Cummings for his impeccable editing.

Suppliers

Brownells Inc., (Brownells.com, 800-741-0015) for AcraGlas and a wide range of gunsmithing tools and materials.

United States Brass and Copper, Inc., (USbrassandcopper.com, 800-821-2854) for many types and thicknesses of sheet metal.

Track of the Wolf (Trackofthewolf.com, 763-633-2500) for a wide range of muzzleloading rifle parts.

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1. Buchele, William, George Shumway and Peter Alexander. *Recreating the American Longrifle*, First Edition, George Shumway Publisher, York, PA, p.94
2. Shumway, George. *Rifles of Colonial America*. Vol. 1, Shumway Publishing, York, PA: Shumway, 1980.

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1760's/70's Colonial Kit Rifle – Jim Kibler

Students will assemble and finish a period brass mounted rifle kit designed by Jim. The kit includes all mounts and all related hardware. Students will be able to specify a caliber and grade of wood for their project.

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Making Period Tools for the Gun Maker – George Suiter

Common tools made by the student include: a scratch stock for shaping the fore stock moldings, wire inlay tools, barrel key inletting tool, ramrod pipe mandrels, proportional dividers, square reamers, counter bores, patch box bending jig, and others.

Stocking a Germanic Jaeger Rifle – Ron Scott

Students will make a brass mounted rifle in the style of Johann Andreas HerrMan Biesenthal of Brandenburg, Germany. Specific features of the rifle include a blade front sight, horn muzzle cap, notched rear sight with ornate finial, double set triggers and various hunting-themed engraved scenes and a wood patch box. The original will be available for student examination.

Beginning Carving and Engraving – Wallace Gusler

New for 2018! Students will learn basic layout procedures for both carving and engraving applications. Demonstrations will follow on appropriate sharpening techniques for both graters and chisels. Student will prepare practice pieces for future reference as they use their knowledge and skills to engrave and carve on their own rifle or pistol.

Reservations are made on a first come first served basis. All participants will need to contact Brenda Hooton at the National Muzzle Loading Rifle Association to make a minimum down payment. Balance of registration is due by February 2, 2018. Full payment will be refunded if the session(s) you

Woodbury School of Gunmaking and Forging of Related Accoutrements – Hershel, Frank and John House

The class will be taught in Woodbury Kentucky at the home of Hershel House located 20 miles from WKU. Participants will engage in projects of their own choosing which ranges from knife making to forging iron rifle mounts and related lock parts or a completed rifle.

Stocking the Pennsylvania Longrifle – Jack Brooks

Students will learn historically correct stock architecture for a regional style such as Christian's Spring, Allentown, Bucks County, Reading, Lancaster, York and others with which Jack is familiar. Students are welcome to continue with a rifle in progress.

Advanced 18th Century Porcupine Quill Work – Lally House

The class is designed to enhance the quill working abilities of the participant. Attention will focus on advanced period designs developed by the participants along with specialized techniques associated with moose hair embroidery and other related techniques. Students will leave with a finished product and/or work in progress with sufficient materials to finish their project at home. ^{MB}

have requested are not taught, or have already been filled. If you choose to withdraw after February 2, 2018, your registration fees will not be refunded. If you withdraw before or on February 2, 2018, you will be refunded the amount paid minus the \$200.00 deposit and \$50.00 Non-Member fee.

**Picnics: Saturday at 5:00 pm CST at the Leeper farm, and
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**Cost of all classes is \$120 per day
Early registration – contact Brenda Hooton at the NMLRA at 812-667-5131 ext. 223**

THE KIT CARSON HAWKEN RIFLE



Kit Carson Hawken. (Gordon, 2007)

Kit Carson used many rifles during his lifetime, but the Hawken rifle that he gave to the Masonic lodge in Santa Fe, is the one most closely associated with him. In reality, Carson probably never shot this rifle very much, but only obtained and gave it as a gift to the lodge. This rifle, with the barrel stamped “S. Hawken St. Louis”, is of 54-caliber and retains over 90% of its original finish. It is a rare glimpse into what newly-made rifles looked like, as they came out of the Hawken shop.

HISTORY AND FRONTIER LIFE

Christopher Houston Carson was born in Madison County, Kentucky, on December 24, 1809, the sixth of ten children. The family soon settled in Franklin, Howard County, Missouri, where his father was killed in an accident when Kit was only nine years old. At the age of fourteen, Kit was apprenticed to a saddle maker.



Kit Carson wearing beaver hat in 1830's. (Wikipedia.org)

After two years, Kit left the saddle maker and joined Captain Bent who was guiding a group of traders to Santa Fe, New Mexico. The beaver trade in the Rocky Mountains was booming and Kit wanted to be a mountain man.

From 1827 to 1829, young Kit spent time working as a cook, driving a wagon, and other odd jobs around Taos. In August 1829, he joined a trapping party headed by Captain Ewing Young and

bound for California. For the next year and a half, they trapped along the streams of Arizona and southern California. Kit quickly adopted the ways of a mountain man.

In 1831 Carson returned to New Mexico, where he immediately joined up with the experienced trapper, Thomas Fitzpatrick, and headed north to Colorado, Wyoming, and Montana. For the next several years, Carson worked as a free trapper in the north-central Rocky Mountains, and learned everything he needed to know in order to become a respected guide. His fight with the French-Canadian bully, Shunar, at the 1835 Green River Rendezvous, was recorded and spawned numerous ten-cent novels about Carson's life, thereby providing him with instant fame and notoriety.



Green River Rendezvous of 1835. (Painting by W.H. Jackson)



A ten-cent novel promoting Carson's fame. (Wikipedia, org)

In the late 1830s the price of beaver began to drop. Kit knew that the days of the mountain men were nearing an end. He proceeded to Bent's old fort on the upper Arkansas, and for the next few years became the fort's chief hunter. In 1836 Carson married an Arapaho Indian woman, and now he had his own lodge to come back to after the long hunts. They had two children of which only one lived. During this period he occasionally earned money by riding pony express. If passing wagon trains wanted messages sent on ahead to Taos or Santa Fe, it was Kit Carson whom they called upon for this dangerous duty.

After his first wife died, Carson married a Cheyenne woman, but the marriage didn't last. Carson took his daughter from his first marriage to St. Louis to further her education. For the next eight years, Carson split his time between his daughter in St. Louis, Ft. Bent, and trapping in the Taos area.

Kit Carson's fate changed in 1842, when he met the explorer John C. Fremont on a steamboat. He was subsequently employed as Fremont's guide for a trip through South Pass to the Wind River Mountains, and then back to Missouri. Over the next several years, Carson, along with Fitzpatrick, worked as a guide for Fremont on three expeditions through the western states and extending on to Oregon and California.

In 1846, Carson served in California along with Fremont at the outbreak of the Mexican War (1846-1848). This war resulted in most of the southwestern U.S., formerly part of Mexico, coming



Kit Carson circa 1868. (Wikipedia.org)

under U.S. ownership. In 1849 Carson settled on a farm near Taos, where he did occasional scouting for army units who were fighting hostile tribes. Carson also served in the Office of Indian Affairs, first as an agent and eventually as Superintendent of Indian Affairs for the Colorado Territory. In 1854 he became the agent for several southwestern tribes.

At the outbreak of the American Civil War, Carson left his position with Indian Affairs and was appointed a lieutenant colonel commanding the First New Mexico Volunteer Regiment. In 1867 he was appointed as brigadier general of the volunteers and held that position until he left the army in 1867. In 1868 Carson was appointed Superintendent of Indian affairs for the Colorado Territory, but he never served and died May 23, 1868 at Fort Lyon, CO. Detailed historical reviews of his life and experiences on the frontier are chronicled by Quaife (1935), Bell (1952), and Laycock (1988).

PROVENANCE OF CARSON HAWKEN

The late-period S. Hawken rifle that Kit Carson gave to the Masonic lodge in Santa Fe has been described by Baird (1968) and referenced by Hanson (1960, 1979). More recently, the rifle was thoroughly examined by Don Stith and later by NMLRA Hall of Fame member Willis Boitnott in 2008, who gave me copies of his



Willis Boitnott examining Carson Hawken. (Boitnott, 2008)

photographs of the rifle.

Basic data on the rifle is that it has a 1 1/16" diameter, 31 1/16" long 54-caliber, octagonal barrel stamped "S. Hawken St. Louis". The cast buttplate, trigger guard and slant breech features place it in the late-1850 period of manufacture. What is most outstanding about the rifle is its condition. Except for minor wear on the forearm around the front barrel key (the point of balance for carrying), and the lock panels, most of the original finish remains on the wood.





Insert 7: Minor wear on lock panels. (Boitnott, 2008)

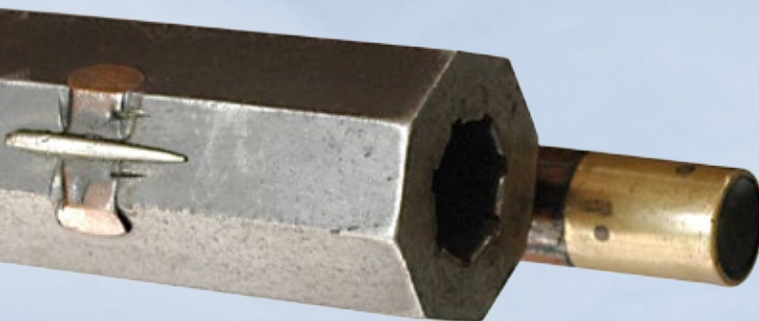
In addition, and almost never seen on Hawken rifles that have been used for any length of time, are the original bone-packed case-hardening colors on the buttplate, toeplate, lock, hammer, breech, tang, buttplate, rear entry thimble, triggers, trigger plate and trigger



Case colors seen on the tang and breech. (Gordon, 2007)

guard.

The ramrod is original. It tapers from a 1/2" diameter, 3/4" long



Silver on copper front sight and ramrod tip. (Boitnott, 2008)



Short rear sight held on barrel by raised lifts. (Gordon, 2007)

brass ferule, which is dimpled to seat a round ball, to a 2 1/4" long tapered steel ferule that is threaded for a cleaning jag.

The 54-caliber, 31 1/16" long barrel has seven grooves and lands and shows only a minor bevel of the lands at the muzzle for ease of loading.



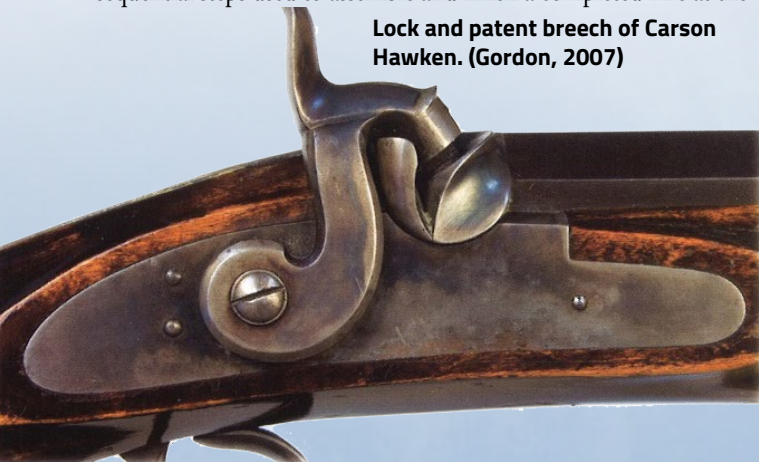
Muzzle of Carson Hawken. (Gordon, 2007)



Solder fills the end of the under rib.

The lock plate in front of the snail has been beveled to flow into the the lock panel. This would have had to have been done before the case hardening of the lock plate, thereby demonstrating the many sequential steps used to assemble and finish a completed rifle at the

Lock and patent breech of Carson Hawken. (Gordon, 2007)



Hawken shop in the 1850s .

The undercutting and intricate shaping of the lock panels accentuate the outline of their shape. The contrasting blue-black barrel was probably rust blued.

An escutcheon was inlayed into the cheekpiece of the stock, when



Left lock panel of Carson Hawken. (Boitnott, 2008)

it was presented to the Masonic lodge in Santa Fe.



Cheekpiece inlay on Carson Hawken. (Gordon, 2007)

An interesting exchange with Kit Carson is given by Sam Hawken in his 1882 newspaper interview (Hansen, 1979):

“Oh yes, I made several (rifles) for Kit Carson, one of them he prized very much. He presented it to some historical society in Santa Fe. Kit gave me an order for a rifle and I didn’t see him again for several years. One day he walked into the shop — I didn’t know him — and asked if I had any rifles. I told him there was one on hand, and that was made for Kit Carson. That’s my name, he said, and took the rifle for \$25. He would have readily paid twice as much, for all my guns were made to kill at 200 yards.” (Hawken Collection)

MODERN REPRODUCTION KITS AVAILABLE

Fortunately, modern parts are available which you can use to make an authentic copy of the original Kit Carson Hawken. Track of the Wolf (www.trackofthewolf.com) offers a Kit Carson Hawken rifle kit in either right or left hand. It consists of a properly proportioned semi-inletted stock in various grades of maple for a 50, 54 or 58-caliber 1” diameter octagonal barrel. The buttplate, triggers/trigger guard, short rear sight, toe plate, barrel keys and slotted escutcheons are excellent copies of the original. Don Stith (www.donstith.com) and W.B. Selb (www.hawkenrifles.com) also offer reproduction Kit Carson Hawken kits. The Hawken Shop (www.thehawkenshop.com) offers a late-period S. Hawken kit in various calibers. Several barrel makers and muzzleloading suppliers offer separate and suitable components. MB

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SHARPE STONES:

By Joshua Shepherd



The Lure of Arrowhead Hunting

On May 20, 1607, Captain James Smith, the most pivotal English explorer in colonial Virginia, witnessed a curious encounter with a local tribesman. Another Englishman invited the Indian to an impromptu shooting match, setting up a dense wooden target and inviting the native to take a shot with his bow. When the Indian fired, the Englishmen were astounded; although a pistol shot had



previously failed to pierce the target, the arrow easily penetrated the board. Not to be outdone, the Englishmen then set up an iron target. When the native archer took his second shot, he “burst his arrow all to pieces.” Furious over the loss of his projectile – which took a good bit of effort to make – the Indian then “pulled out another Arrow, and bit it in his teeth, and seemed to be in a great rage: so he went away in a great anger”¹

The shooting match inadvertently exemplified an ugly reality for the native tribes of North America: the superiority of European technology. For his part, Smith still didn’t underestimate the tribes. If the English were ever found without firearms, which the Indians greatly feared, warriors would “easily kill them all with their arrows.” Despite the fearsome nature of their traditional weapons, it didn’t take long for the tribes to upgrade to stronger materials. Bows and arrows were abandoned in favor of firearms as soon as possible. Although stone and antler war clubs had previously seen universal use, the tribes, explained Smith, eagerly traded their furs for metal and soon had plenty of clubs “of the same forme, of iron.”

Indian arrowheads were no match for lead balls, but Smith was nonetheless fascinated by native ingenuity which produced arrowheads that were nothing short of works of art. Indian hunters fabricated arrowheads out of a variety of materials, including bone, turkey spurs, bird beaks, and antlers. But the finest arrowheads were crafted “of christall or some sharp stone” that was knapped into “the forme of a hart” and resembled an English broad head.²

Over the subsequent centuries, the face of North America was irrevocably altered. Indian villages, which were once thriving centers of trade and home to hundreds of souls, have faded away without a trace. The physical evidence of Indian habitation has likewise largely disappeared — bark lodges, log homes, wooden tools, leather clothing — has been destroyed by the elements and permanently lost. Bone and antler arrowheads have long since rotted. Even the iron and brass arrowheads that became prevalent through

European trade has rusted and corroded away. Only the stone tools painstakingly crafted by native hunters have remarkably endured.

White settlers have been fascinated by such native tools from the earliest days of settlement. In 1822, Thomas Jefferson was pleased to accept a nearly priceless donation to the University of Virginia: an assortment of extremely rare books, accompanied, oddly enough, by an arrowhead collection. The university’s benefactor, Theodore Hansford, explained that he was donating “Some stone arrows heads manufactured by the Aborigines of the Country. The variety of stone of which they are made, and of their size, may hereafter amuse, if not instruct, the scientific man in his researches into the antiquities of America.”³

Nearly two centuries after Hansford donated his collection, Indian arrowheads are continuing to “amuse, if not instruct” those hobbyists who search for them. Rightly defined, Indian projectile points aren’t necessarily classified as arrowheads per se. Experts in the field simply refer to them as “points,” as the artifacts in question could be arrowheads, spear points, dart tips, or knives. Regardless of their proper designation, “arrowheads” remain an irresistible allure to collectors.

Early pioneers regularly turned up Indian artifacts during their spring or fall plowing. Walking behind a single bottom plow, artifacts were difficult to miss. Many of the old-timers who worked the land amassed respectable collections of artifacts. But over two centuries after America’s first settlers transformed primeval forests

into cleared fields, arrowheads continue to appear. With each new turning of the soil, more points come to the surface. The sheer number of artifacts that show up on the surface is astounding, but they represent millennia, not just centuries, of human habitation. For thousands of years, generations of Native Americans fabricated and used millions of artifacts. It's no surprise that so many survive.

Since the days of the first settlers, the techniques needed for finding arrowheads have changed little. Although different approaches are necessary for various regions in the country, the most common method, particularly in the eastern United States, remains surface hunting plowed farm fields. It's also a great way for the off-season hunter to get back outside. Searching for artifacts is, by and large, a spring hobby, during a time of year when most game seasons are closed to outdoorsmen.

It all begins, naturally, with acquiring permission. Just as an ethical outdoorsman obtains permission before hunting wild game on private property, an artifact hunter shouldn't set foot on someone else's land until he's first asked for, and received, permission. The right to private property is a central American liberty, so respect it regardless of the outdoor activity. To do otherwise is trespassing, and it's illegal. Perhaps worse, it's ill-mannered and just plain obnoxious.

Be upfront when you ask a farmer or landowner to search their ground for arrowheads. You might get turned down on occasion, but be polite and move on. Most farmers, ranchers, and rural folks are quite neighborly. Particularly if a young person is showing interest in the hobby, the landowner will likely be delighted that someone from the next generation is interested in something other than computer gaming. And remember to stick to privately owned land; federal and state lands are off limits when it comes to artifact hunting.

If you're given the go-ahead, respect the privilege and make sure to follow any guidelines that the landowner has. Walking through growing soybean fields, for instance, is generally considered a no-no; the beans are just planted too close together. Beyond that, ask the farmer if he or anyone else has ever found an arrowhead in the field you hope to hunt. Although that information can't be taken as Gospel evidence of a successful hunt, it can be helpful in more quickly locating a field's hot spots for artifacts. Or, the landowner just might point you in the direction of a better field. No one works — or knows — their land like a farmer or rancher. It's generally good

policy to listen carefully and consider their advice.

When you're ready to go, you likely already own the necessary equipment, which is pretty basic. Consider weather conditions and plan accordingly. Dress in layers if the weather is iffy and be sure to take a hat and sufficient water. Because direct sunlight can cause more glare than you'd like, artifact hunting under cloud cover is preferred. But if you have to hunt under the sun, sunscreen won't hurt, not to mention a pair of sunglasses (my personal preference is for the amber-tinted variety). Needless to say, if it's not too muddy, wear your most comfortable pair of shoes. You're going to need them. The reason is simple. Although there are a few pointers that will help you find more arrowheads, the process is really straight forward. You'll have to walk a lot, exhibit the patience of Job, and then walk some more — a lot more. Looking for arrowheads is actually pretty good practice for the off-season hunter. You'll learn patience, the need to move slowly, and the importance of keeping your eyes peeled.



When you arrive at a hunt site, the sheer size of the field can be daunting. Just take it step by step and enjoy being outside. You'll likely be hunting in a field that has just been plowed or planted, so if you can, use those rows to help you work in a systematic grid pattern, walking back and forth until you've covered the ground you're hoping to hunt. It's certainly possible to find an arrowhead almost anywhere — it's been done before, a lot — but to increase your chances it's generally preferable to search for

former Indian campsites and worksites. These sites will usually be located on high ground near a creek or river where tribesmen would have ready access to fresh water and game. If you locate a concentration of flint flakes, slow down; you've likely located a site where arrowheads were made by Indian hunters. If you do locate such a site, you'll possibly pick up handfuls of flint flakes.

It's best to hunt after a respectable rainfall. The rain will wash away soil, dissolve clods, and expose flint artifacts, rendering them much easier to spot. It's fine to hunt when it's dry and dusty, just more difficult. Again, hunting arrowheads employs basic observation techniques well known to any game hunter. You're looking for any shape, color, texture, or line that just seems out of place. If you do spot a piece of suspicious flint, it's a good idea to flip it out of place just to double check. Many artifacts exhibit very crude workmanship and at first glance don't look very impressive. But on closer inspection, telltale evidence of worked edges can confirm that you've found an artifact after all. Other times you'll spot a finely

worked arrowhead on the surface and in clear view; those finds are obvious, and quite exciting. Arrowheads aren't the only flint tools to be found. Drills, awls, knives, and particularly crude scrapers are fairly common on campsites.

Don't forget to keep your eyes open to the possibility of finding artifacts that don't fall into the flint category. Common Indian tools such as axes, hammers, and celts are far rarer than flint points, but nonetheless turn up every now and again. If you spot a rock, say granite or slate, that looks suspiciously smooth or exhibits a groove or a sharp edge, take a closer look.

While you're closely inspecting the ground while surface hunting, you'll be surprised by the number of items to be found in the fields. Depending on location, you might discover broken farm implements, buttons, china, marbles, or, rarely, even coins. One of the more common bonus finds are deer sheds. It's not terribly uncommon to pick up a few during a season of artifact hunting, and if you make your own knives, it's a good way to acquire extra material for handles.

However you decide to protect or display your collection of artifacts, a simple cleaning with water and an old toothbrush to remove dirt is all that's needed. Heavy polishing, sealing with varnish, or, heaven forbid, rounding off uneven corners with a bench grinder (which, tragically, has been done before) is highly undesirable and will lessen the appeal and potential value of an artifact.

Modern collectors fascinated with stone tools are in good company. When the Lewis and Clark Expedition ventured into the remote mountains of the northwest United States in 1805, the explorers observed a vanishing tribal culture that was still dependent on stone tools. Among the Nez Perce, who had limited trade contact with Europeans by 1805, working flint was still a handicraft skill that most warriors possessed. "Many of them make use of flint for knives," wrote Meriwether Lewis, "and with this instrument, skinned the animals they killed, dressed their fish and made their arrows; in short they used it for every



purpose to which the knife is applied." "With the point of a deer or elk's horn," he explained, "they also form their arrow points of the flint, with a quickness and neatness." Lewis expressed his admiration

for the skill of Indian hunters with one simple word that, over two centuries later, still echoes the sentiments of collectors: the work of native craftsmen, he said, was simply "astonishing."⁴ MB

(Endnotes)

- 1 Edward Arber, ed., *Travels and Works of Captain John Smith* (New York: Franklin, 1910), 1:lxviii.
- 2 Ibid, 68.
- 3 "From Theodore Hansford to University of Virginia Board of Visitors, 15 March 1822," Founders Online, National Archives, <http://founders.archives.gov/documents/Jefferson/98-01-02-2711>.
- 4 University of Nebraska Press/University of Nebraska – Lincoln Libraries – Electronic Text Center, *The Journals of the Lewis and Clark Expedition*, <http://lewisandclarkjournals.unl.edu>. Lewis entry, August 23, 1805.



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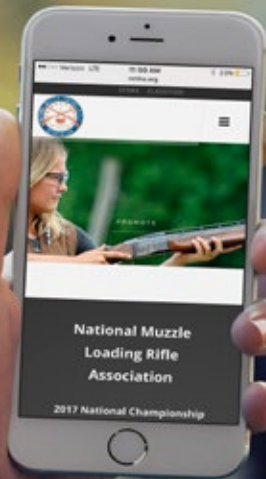
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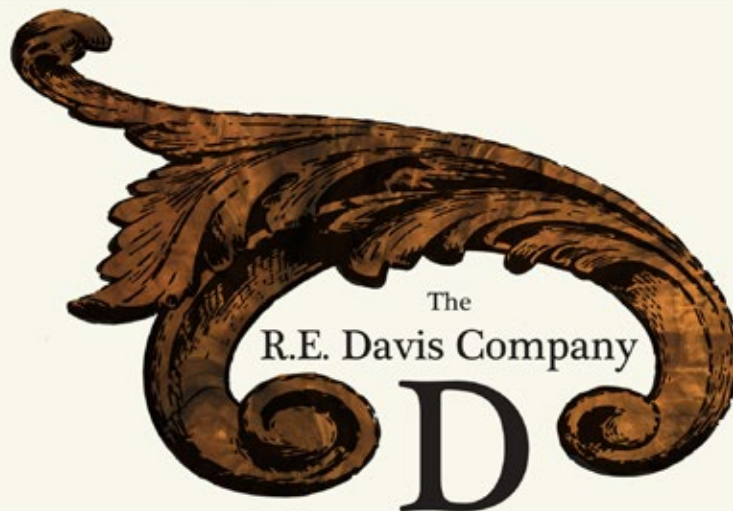
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2018 NMLRA WESTERN NATIONAL SHOOT GIVEAWAY

By Andy Larson

We will have four (4) prizes for the giveaway this year. A rifle, powder horn, pouch and knife. Here is a letter from the maker of the rifle.

Hello

My name is Mike Roby. This gun is a Jim Chambers smooth rifle kit, cherry wood stock, 54 cal. smooth bore. I received this gun at the 2017 Western Nationals, assembled in the white. I fitted the sliding wood patch box; hand built the latch; and inlet the star. I removed a great deal of wood, added a nose cap and the barrel wedges. I had to refit all of the parts and do the finish on the stock and metal parts.

Our friend Charlie Maggard of Spring Valley, AZ was kind enough to do the outstanding engraving on this gun. This will be a very nice piece for the 2018 Western Nationals Shoot in Phoenix.

Thank you for giving me the opportunity to complete this gun for the NMLRA raffle.

Mike Roby
Prescott Valley, AZ

NMLRA club Lafayette Long Rifles of North Carolina is proud to answer the call for a powder horn and strap for the 2018 WNS. HCH Journeyman Horner Rick Sheets will provide a bison horn featuring antique brass tacks and engraving in the style of George Catlin. It will be paired with a finger woven strap by Dennis Maness. Both Dennis and Rick are artisan members of the LLR.

The pouch is from The Leatherman Gary Fathree from Carlisle, PA. This is a large pouch with four pockets; two internal and two external. With adjustable strap.

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For those who donate \$40 or more your tickets will go into a separate drawing for this special knife. Tickets will then be added to main drawing for chances at the other prizes.

This beautiful knife was handcrafted and donate by Wayne Mims of Titus, Alabama. It has a Damascus steel blade made from 1084 steel and layered 240 times. The handle is made of Oosik which is a bone from a walrus and is sought after by many craftsman. Wayne has donated several time to the WNS.

Drawing will be **Monday March 5, 2018** just before the awards. You do not need to be present to win. All proceeds go the cost of the Western National Shoot. A donation is requested for the tickets of \$2.00 for one or \$5.00 for three. Use the tickets on the next page and make copies if necessary. Make the copies the same size as the original. Please mail the tickets with donation to the NMLRA office or to me:

Andy Larson
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Thanks in advance for your support of the Western National Shoot and to all craftsmen for their prize donations. MB



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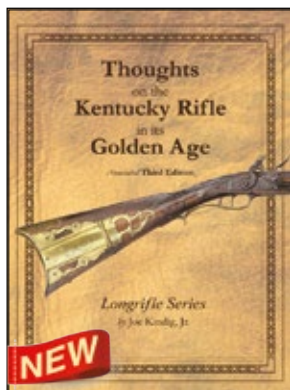
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1 of 1000 Events at Friendship

The September 2017 National Championship shoot at Friendship was an eventful time for the 1 of 1000 Endowment Program. The annual 1 of 1000 Match was held immediately following the opening ceremonies on the offhand line. Many members helped to make the match a success. NMLRA Director Andy Larson, #4, coordinated the match and served as range officer. Forty-six shooters participated, including Arlie Thayer, 1 of 1000 member #3. Susy Larson, #145, loaded her rifle 29 times for various shooters to use. Don Blazier, #363, loaded Max Vickery's .54 caliber Hawken rifle for those wishing to use it. Jim Fulmer, #41, and Rick Repovsch, #79, plotted the shots on the target provided by Dick Chubb, #113, the 2016 match winner. Sharron Smith, #44, kept track of the shooters' names and numbers. Pete Wygant, #555, won the match with his shot being closest to the secret winning spot chosen by NMLRA Office Manager Joyce Vogel. Pete is a very strong supporter of the NMLRA. For many years he has created and donated beautiful shooting boxes as prizes and auction items. His boxes are always highly sought after and treasured by those fortunate enough to acquire them. Pete will be providing the 2018 Match target. By winning the match, Pete won a 1 of 1000 bolo and a handcrafted domed wooden chest made and donated by Dick Truex, #35. Like Pete, Dick has been donating his creations to support the NMLRA for years.

The annual 1 of 1000 members' reception was held at 6:30 p.m., Saturday, at the Rand House. The food and fellowship were enjoyed by all attending. This annual event is looked forward to as an opportunity for members to visit together and support the 1 of 1000 Endowment.



Andy Larson, far right, presenting the 2016 horn to the Prairieland Frontiersmen representatives. Photo credit: Ava Francesa



The 2016 1 of 1000 membership goal was to reach member #600, representing a gain of 100 members over the 2015 goal. We achieved the goal and had a drawing for the 2016 1 of 1000 Powder Horn and accompanying accoutrements made and donated by the Honorable Company of Horners member Roland Cadle and family.



1 of 1000 Reception at the Rand House. Photo credit: Ava Francesa

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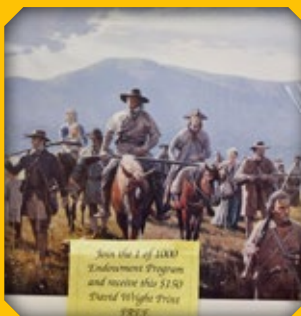
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#618 – Keith Mobley

#619 – Forrest Mobley

1 of 1000 Endowment Program For more information about the program, please contact: Bob Copner - 1 of 1000 Endowment Chairman - 4682 Valley End Lane, Fairfield, CA 94534, National Muzzle Loading Rifle Association, P.O. Box 67, Friendship, IN 47021 - (812) 667-5131 or 707-864-0442 - robert.copner@comcast.net

Attention: 1 of 1000 Members We plan to continue publishing 1 of 1000 member profiles in *Muzzle Blasts*. Profiles published to date include randomly selected early and later members. If you would like to submit your profile (approximately 400 words and a photograph) explaining



why being a member of the 1 of 1000 is important to you, please send it to Lydia Morath at lmorath@nmlra.org, Bob Copner at robert.copner@comcast.net or mail to P.O. Box 67, Friendship, Indiana 47021.

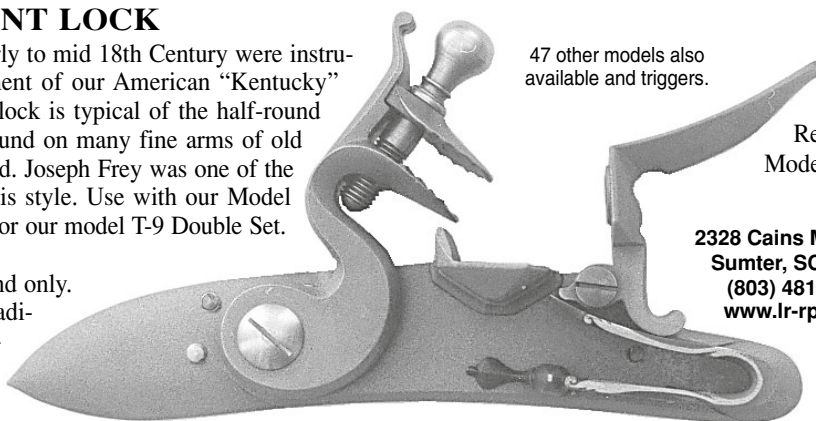
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new and innovative programs that ensure the long-term viability of the Association and help it to prosper. **MB**

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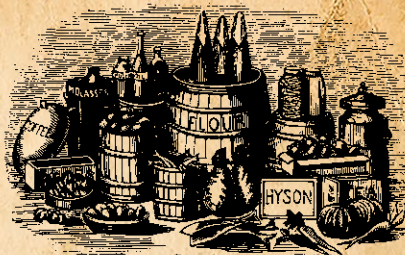
RENDEZVOUS MONTHLY

NMLRA-Sponsored Rendezvous Information

Messages from the Rendezvous



Cooking Up a Taste of Rendezvous by Linda Fulmer



SWEET POTATO BREAD

Mike Tarre sent me this recipe. I see Mike at Dixon's Gun Maker Fair in Kempton, Pennsylvania. He said this bread is moist with the right amount of sweetness. You can use walnuts or pecans if you like. Recipe makes two standard loaves.

- 2 cups sugar
- 1 cup vegetable oil
- 3 eggs
- 2 cups mashed canned candied yams or sweet potatoes
- 1 teaspoon vanilla
- 3 cups flour
- 1/4 teaspoon baking powder
- 1 teaspoon baking soda
- 1/2 teaspoon salt
- 1 teaspoon cinnamon
- 1 teaspoon ginger
- 1 teaspoon ground cloves
- 1 cup chopped nuts

Preheat oven to 350.

In a large mixing bowl, combine sugar, oil, eggs, sweet potato, and vanilla.

In a separate bowl, mix dry ingredients together well and add to wet ingredients. Stir until just combined. Pour into 2 standard loaf pans. Bake for 75 minutes or until thin knife inserted in center comes out clean. Serve with butter or cream cheese; serve warm or cold. MB

...

If you have any recipes you'd like to share, please send them to me at the following address: Linda Fulmer, 3358 Mountain Road, Hamburg, PA 19526; or e-mail to fulmer1776@comcast.net.

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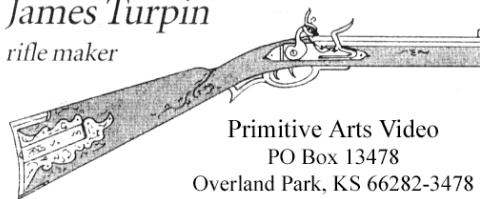
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17TH EUROPEAN MUZZLE LOADING CHAMPIONSHIPS

by Davide Pedersoli

The seventeenth European M.L.A.I.C Championship was held in Granada from the 3-9 September 2017. More shooters attended the event than ever before, which was organized by the Spanish Shooters Federation, and particularly by the shooting club in Granada. Two hundred twenty Shooters in attendance came from Spain, Italy, Belgium, Czech Republic, Austria, Finland, France, Germany, Great Britain, Hungary, Luxembourg, Norway, Netherlands, Portugal, Slovakia, Switzerland, Sweden, and Russia.

Two days of practice, followed by two days of competition, saw 528 outstanding performances with both original and reproduction guns, for a total of 15446 rounds fired. Forty different disciplines were fired for individual competition and there were twenty-six team events.

Davide Pedersoli-manufactured guns were certainly well represented, achieving 34 medals: 11 gold, 10 silvers and 13 bronze, with a further 14 fourth places and 13 fifth places. There was also a



world record in the Manton discipline. “We can only be proud of these results — declared Pierangelo Pedersoli, President of the Italian company.”

Few words are said and perhaps it is little noticed, but little by little, muzzleloading target shooting is becoming transformed from a cultural and folkloric activity for re-enactors and those fond of history to a real and proper sporting activity, with high-level results achieved during very challenging competitions, like 100/100 perfect scores at 50-meters off hand in the Vetterli and Pennsylvania disciplines, or the 100/100 perfect scores in the 100-meter prone position in the Whitworth and Maximilian disciplines.

“In addition to being proud of our work,” said Pierangelo Pedersoli, “we are proud of all the shooters who continue to compete using our guns, confirming their trust in us. Our most sincere congratulations to all of them.” SP

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INDIVIDUAL DISCIPLINES :

COUNTRY

Score/100

MODEL

GOLD

SILVER

BRONZE

4° 5°

PEDERSOLI GUNS
IN THE FIRST 10th PLACES

MARIETTE

(Revolver 25 mt)

FAU RUBIO XAVI	Spain	95	Pedersoli	Remington			1		
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2

COMINAZZO

(Flint. Pistol Smooth bore 25 mt)

HANULIK MARCEL	Slovak	93	Pedersoli	C.Moore	1				
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5

MIQUELET

(Flint. Musket Smooth Bore 50 mt)

BITZER GUENTER	Germany	96	Pedersoli	AN IX	1				
NAATANEN LIHAVAINEN	Finland	95	Pedersoli	AN IX		1			
VIERTOLA	Finland	93	Pedersoli	1777			1		
BAILER	Germany	93	Pedersoli	1777				1	
KAPERNICK	Germany	92	Pedersoli	AN IX					1

1

VETTERLI

(Percussion rifle 50 mt)

WALTER MASSING	Germany	98	Pedersoli	Bristlen Morges					1
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7

PENNSYLVANIA

(Flint. Rifle 50 mt)

DUCELLIER MICHAEL	France	98	Pedersoli	SWISS MATCH		1			
KLANER THOMAS	Germany	97	Pedersoli	Mortimer rifle			1		
WALTER MASSING	Germany	97	Pedersoli	SWISS MATCH				1	

7

MAXIMILIAN

(Flint rifle 100 mt)

RISCH NOEL	France	96	Pedersoli	Mortimer rifle	1				
BITZER GUENTER	Germany	95	Pedersoli	Mortimer rifle		1			
FREI ROLAND	Germany	93						1	
NAATANEN LIHAVAINEN	Finlandia	92	Pedersoli	Jaeger				1	1

7

MINIE

(Militar rifle 50 mt)

NAATANEN LIHAVAINEN	Finland	94	Pedersoli	Mauser	1				
WAEGELI CAROLIN	Germany	92	Pedersoli	Mauser			1		
VALERO CARRERAS	ESP	91	Pedersoli	Mauser				1	
MUSTAMAKI ANTERO	Finland	91	Pedersoli	Mauser					1

8

LORENZONI R.

(Percussion trap shotgun)

FRANZ LOTSPPEICH	Gernany	48/50	Pedersoli	Mortimer 12 ga	1				
Grix	UK	46	Pedersoli	Gibbs 12 ga			1		
DESCOMBIN BRUNO	France	45	Pedersoli	Mortimer 12 ga				1	
DOBOS TAMAS	Hungary	44	Pedersoli	Mortimer 12 ga					1

7

MANTON R.

(Flint trap shotgun)

FRANZ LOTSPPEICH	Gernany	48 W.R.	Pedersoli	Mortimer 12 ga	1				
ROBBEN ROLAND	Gernany	42	Pedersoli	Mortimer 12 ga			1		
BONI MORENO	Italy	39	Pedersoli	Mortimer 12 ga					1

TOTAL

6 3 6 6 6

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1 OUT OF 3	Austria		Pedersoli	Mortimer					1
PETERLONGO (Mariette R)									
2 OUT OF 3	Belgium		Pedersoli	Remington – Remington			1		
1 OUT OF 3	Spain		Pedersoli	Remington				1	
1 OUT OF 3	Austria		Pedersoli	Remington					1
KOSSUT (Pennsylvania R + O)									
3 OUT OF 3	France		Pedersoli	Mortimer – Swiss Match – Mortimer		1			
3 OUT OF 3	Spain		Pedersoli	Swiss Match – Mortimer – Swiss Match			1		
1 OUT OF 3	Great Britain		Pedersoli	Pennsylvania					1
EL ALAMO (Donald Malson R + O)									
ENFIELD (Lamarmora R + Lamarmora O)									
1 OUT OF 3	Spain		Pedersoli	Mauser		1			
2 OUT OF 3	Germany		Pedersoli	Mauser – Mauser			1		
3 OUT OF 3	Switzerland		Pedersoli	Mauser-Mauser-Mauser				1	
3 OUT OF 3	Norway		Pedersoli	Mauser-Mauser-Mauser					1
LUCCA (Maximilian R)									
1 OUT OF 3	Germany		Pedersoli	Mortimer	1				
3 OUT OF 3	Spain		Pedersoli	Jaeger-Jaeger-Jaeger		1			
2 OUT OF 3	Finland		Pedersoli	Jaeger-Jaeger			1		
1 OUT OF 3	Austria		Pedersoli	Mortimer				1	
MAGENTA (Minie R)									
1 OUT OF 3	Germany		Pedersoli	Mauser	1				
1 OUT OF 3	France		Pedersoli	Mauser		1			
2 OUT OF 3	Spain		Pedersoli	Mauser- Mauser				1	
3 OUT OF 3	Finland		Pedersoli	Mauser-Mauser-Mauser					1
AMAZZONE (Walkiria R + O)									
1 OUT OF 3	Spain		Pedersoli	Gibbs				1	
RIGBY (Withworth R + O)									
2 OUT OF 3	Norway		Pedersoli	Gibbs – Gibbs					1
BATESVILLE (Lorenzoni R + O)									
1 OUT OF 3	Great Britain		Pedersoli	Gibbs		1			
2 OUT OF 3	France		Pedersoli	Mortimer-Mortimer			1		
HAWKER (Manton R + O)									
2 OUT OF 3	Germany		Pedersoli	Mortimer – Mortimer	1				
2 OUT OF 3	France		Pedersoli	Mortimer – Mortimer			1		
1 OUT OF 3	Great Britain		Pedersoli	Mortimer				1	
1 OUT OF 3	Czech Rep.		Pedersoli	Mortimer					1
HALIKKO (Miquette R)									
3 OUT OF 3	Germany		Pedersoli	1777-1777-1777	1				
2 OUT OF 3	Finland		Pedersoli	1777-AN IX		1			
1 OUT OF 3	Switzerland		Pedersoli	1777			1		
3 OUT OF 3	Norway		Pedersoli	B.Bess- B.bess-1777				1	
TOTAL					5	7	7	8	7

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The view from a shooting bench



THE BEVEL BROTHERS



BACK TO BASICS: BENCH REST SHOOTING

Bevel Down: This month we look at the Bench Rest line.

Bench Rest shooting is the art of wringing the last tiny bit of technical pinpoint accuracy out of a rifle, and then putting yourself up against shooters who also have rifles that will stack balls one on top of another all day long just like yours. It's a test of both your equipment and your skill.

Bevel Up: Even though this series is about going back to basics and showing beginners how to get started in muzzle-

loading, Bench Rest shooting is not an entry-level game. It is a game of heavy equipment, heavy guns, heavy benches, and long days of trial and error, understanding and learning how to read the wind flags, the light, mirage, and many seemingly unimportant variables that can make or break a shot.

For our purposes here when we talk about the Bench Rest line we are talking the patched round ball guns – not Slug guns, which are shot from benches but use elongated bullets and are fired on

an entirely different range with different equipment and different rules.

Bevel Down: There are two classes of Bench Rest guns: light and heavy. The light bench guns can weigh no more than 14 pounds, so most of them weigh within a couple of ounces of that. The false muzzle doesn't count in weighing the light bench gun, but the sights do count, and some of those fancy high-grade sights can add almost a half a pound to the total weight. If you haven't seen a heavy bench gun you might think a 14-pound



Some pretty good but frustrating fifty-yard bench rest targets

rifle is pretty heavy. Most heavy bench guns weigh in at well over 20 pounds and plenty of them go over 30.

False muzzles are legal on the bench line and most bench guns have one. A false muzzle is an apparatus that is essentially a removable extension of the barrel that provides a sort of coned muzzle to allow you to start a really tight patch/ball combination without tearing the patch or deforming the ball with too much pounding. It also protects the muzzle from wear and tear, which can happen remarkably easily when using extra tight patches and steel ramrods. NMLRA rules require that all false muzzles have a cord attached that is also then attached to the loading bench. That prevents an absent-minded shooter from loading the rifle, leaving the false muzzle in place, and then shooting it into the bank along with the lead ball. In addition to the safety cord, most false muzzles are also arranged in such a way that when

mounted on the barrel a bar or peg will stick up to obscure the front sight and tell the shooter it is still in place.

Most bench rest shooters use large caliber rifles with slow-twist barrels, heavy charges, and balls that are either bore size or a few thousandths over bore size. The bore diameter is the distance across the rifling lands, not the grooves. Groove depth varies – some folks like deep grooves as deep as ten or twelve thousandths (.010 to .012), others like shallow grooves maybe only three or four thousandths (.003 to .004). Most will average around .006 or .008. A bore-size ball in a .50 caliber rifle will thus be one that measures right at .500; an “over-bore size” ball will be maybe .501 up to as big as .504 or .505. You don’t usually see that sort of load combination in other types of rifles.

Most other rifle shooters will go with a ball that is slightly under bore diameter

and use a patch that loads fairly easily but is still tight enough to give decent accuracy. On the Primitive Range when you are loading from the bag and horn you especially appreciate a rifle that is easy to load. But the bench rest shooters don’t care how hard a rifle is to load – that’s why they have false muzzles and big heavy steel ramrods and short starters and brass hammers.

Bevel Up: There are no factory production bench guns. They are all custom creations. If you want to own one you either have to buy it from somebody who has one for sale or build your own. There are some guys who will build one for you, but they are hard to find. If you are reasonably adept with hand and machine tools, or know an old-school machinist with a pretty good shop set up you can build one yourself. Your best bet, in that case, is to first go hang out at the bench line for about a week and learn as much as you can about those

guns before you start building anything.

Most modern bench guns use an under-hammer action that is either a standard percussion cap/nipple type or one that is called a “sealed ignition.” A sealed ignition uses a rifle or pistol cartridge primer seated in a separate sort of interrupted thread bolt or chamber that has a floating firing pin in it. This contraption is mounted in the barrel under the hammer to set off the main charge. There are also flintlock bench guns that use regular side-mounted flintlocks and you still see side-lock percussion bench guns on the line, too.

The idea of a sealed ignition is that it doesn't let part of the powder gasses leak out through the flash hole in the nipple. That leakage — and loss of pressure — through a standard percussion nipple will vary depending on how much erosion has opened up the flash hole. That variable pressure will then translate into unpredictable variations in velocity and a loss of accuracy. That loss might be miniscule in comparison to other patched roundball variables, but like we said before: bench rest shooting is all about wringing that last tiny bit of minimal-standard-deviation accuracy out of a muzzleloader.

Bevel Down: Probably the most important component in a bench gun — light or heavy — is the barrel. Most all bench guns will have set triggers, super fast locks, and high-quality receiver sights. But without an accurate barrel you aren't going to be a match winner.

Most of these barrels are relatively short and fat. A long, thin barrel tends to be somewhat limber and much more susceptible to changes in group size due to powder charge, heat, barrel harmonics, where the cant block is attached, and

hold on target.

You don't see many bench rifles with barrels over 44-inches long, and those long ones you see tend to make up for the extra length by being extra heavy. At

some point you have to decide just how heavy is “heavy enough”.

Of course, you give up a little bit of sight radius when you go with a shorter barrel, but most shooters will take a slightly shorter but stiffer barrel over a longer one that is either too heavy to lift or so flexible that it bows under its own weight when it is rested on the bench.

Bevel Up: The other component of a bench gun that is likely to make or break you in a match is the sights. Bench matches are shot with iron sights. Most matches allow any metallic sights, which means for the most part, adjustable receiver sights. Those sights will usually be commercial sights like those ¼ minute adjustable Redfield Olympic rear sights and matching globe front sights that you see on high-end cartridge target rifles.

The front globe sights will have changeable inserts to suit the particular target being shot. Tube sights are allowed as long as there are no lenses to create magnification (no telescopic sights), but you don't see those very often.

Some of the bench matches require open sights. A regular globe-type sight, like a Lyman 17a, with a post insert is considered an open-front sight with



Barrel maker and bench shooter Neal Eddington

how the rifle is held against the shoulder. A light-barreled rifle also tends to be harder to shoot off the bench because it is more easily moved around between the time when the trigger is tripped and the ball leaves the barrel. A shorter and heavier barrel is less subject to the vibrations and jumps induced by the lock movement, has a shorter barrel time, moves less under recoil, and is easier to

a shader. An open-rear sight can be adjustable, but it still has to meet the definition of “open sights” in the rule book. There are no commercially available open-rear sights equivalent to the ¼-minute click adjustable receiver sights you see being used in the Any Metallic Sight matches. However, I have seen (on the Bench line) Lyman and Redfield receiver sights modified so that there is an open-rear sight where the round peep disk would screw into the windage bar. That modified sight is then mounted up on the side of the barrel where you would normally find a regular open sight dovetailed into the top of the barrel. It’s that kind of stuff that makes knowing a machinist just extra handy when you’re getting set up for bench rest shooting.

Bevel Down: The thing about bench rest is that you never seem to have enough equipment. You hardly ever see a car parked on the Bench Rest line – it’s usually a ½-ton or ¾-ton pickup with a topper, or a Suburban or Excursion, or sometimes even a one-ton dually.

The “complete” bench rest shooter needs two or three thirty-pound rifles (at least one flint and one percussion) another light 14 pounder or two, a 75-pound bench made out of laminated 2x4’s and two-inch iron pipe, a sturdy chair or maybe one of those height-adjustable shop stools, three or four wind flags with tripod stands, a good spotting scope and stand, multiple ramrods, short starters, cant blocks, and drop tubes for each rifle, a powder measure (likely

a double-chambered Belding & Mull that hasn’t been made since the 1960s), a couple of yards of super-tough patch material (likely 10-ounce denim or Teflon-coated ticking), a gallon or so of secret-formula bore cleaner, a few hundred balls for each rifle, a shooting box or two to carry all the small tools and gimcracks and spare parts that might be needed someday, another chair for sitting on behind the line while waiting for the wind to die down, a tarp to cover the whole set-up when it rains or when you leave the line for an hour or two, a countdown timer to give early warning close to the end of the relay, and don’t forget a lucky hat.

The amazing thing about bench rest shooting is that once you’ve gotten into



A false muzzle ready to be put in place before loading



A false muzzle in place for loading. Note the mounted cant block, globe front sight, and safety cord for attachment to the bench to prevent leaving the device in place while shooting.



it you, too, will come to believe that every ounce of that 300-pound load is absolutely necessary!

Bevel Up: With all that high-tech equipment and super-accurate rifles you might think that shooting off of a bench like that would be easy. But you would be wrong.

All of the basic principles of match shooting apply to the bench rest matches, but magnified down to the last detail. There is no room for error. After every shot you have to get up and move your rifle back to the loading bench and then reposition it on the shooting bench for the next shot. You need to be conscious of repeating your position on the bench for every shot – where you put the rifle, where you put your elbows, where your face touches the stock, how hard you grip the stock and how hard you pull it back into your shoulder. Any change in the position of your eye relative to the rear sight will change your point of aim and the point of impact of the ball on the target. Just the small amount of

shifting you have to do to move from one bull to the next one on the target paper will affect how you hold the rifle and how you keep your eye behind the sights.

You need to be able to judge the wind and read your wind flags. The ten ring on the standard 50 yard target is just 7/8" wide. The X ring is just 3/8" across. A measly five-mile-an-hour wind can push a round ball around enough to turn your perfect 50 and 5X record setter into a 49 and 4X.

You need to be able to read the light and know how it will affect your shot. The old adage is "Light's up, sights up", meaning that when the light gets brighter your shots will tend to strike lower on the target because of how you perceive the sight picture in the stronger light. There is no mathematical formula for that adjustment – you just need to practice enough to know how that affects you and your sight picture. It all adds up to just what we've been saying all along: the more you practice, the luckier you

will get at winning matches.

Bevel Down: If all that sounds interesting to you, I encourage you to go over to the bench line at Friendship and see it for yourself. All that equipment and dead-serious demeanor you see there might be a little intimidating at first, but you will find that those folks are actually friendlier (and much more helpful) than they look.

One easy way for a beginner to break into bench shooting is through the Squirrel Rifle match. You can shoot it with any regular light offhand rifle that weighs less than ten pounds. It has to have open sights – either fixed or adjustable as you choose – and it has to be a .40 caliber or smaller. You can usually find somebody to loan you a bench for a relay or two and there are always plenty of wind flags set out to watch. And then if you start thinking you like that game you can start building your own stuff to bring next time. MB

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Pictured is Sean Rowland; it was his first time on the squirrel hunt.

every time. Most powder measures are adjustable so you can easily change the amount of powder you put in the barrel. From light loads for target shooting to hunting loads, or long-range shooting, most muzzleloaders have only one sweet spot that is the most accurate for target shooting. A patch round-ball rifle with a slow twist is more forgiving for an accurate load and a bigger caliber is also more forgiving. All rifles are different, you have to work up your own loads. My .32 caliber flint squirrel rifle shoots the most accurate with only at best 30 grains of FFFG of black powder. Any more or any less and it doesn't do well. My .32 cal percussion shoots its best at 25 grains FFFG black powder. But you as the loader of the muzzleloader have control over accuracy, velocity, energy of the muzzleloader. As a cartridge-gun shooter you don't have all that unless you reload your own but with a muzzleloader every shot is a reload.

Hunting with a muzzleloader for big game is nothing but plain fun. You have to be a more skilled hunter and more patient to get the perfect shot. Also when we hunt whitetail deer here in Pennsylvania we change our tactics by putting hunters closer together on stands. You have only one shot and you really don't want to shoot farther then 100 yards. But what you really want is your shots at 50 yards or less. The real fun hunting for me is squirrel hunting.

This year, the annual squirrel hunt I go on had 16 participants. The hunt was started 38 years ago in 1979 as a pre-1840 event. Backpack in and we were only allowed a couple of potatoes, carrots, onion, and apples, no meat. Wow, after 5 years we added breakfast meat, bacon, sausage, ham, and eggs. Squirrel has always been the mainstay in the pot, sometimes a turkey, 3 to be exact in 38 years. About the same of grouse and several porcupines. But mostly this year it was squirrel. This year 16 got shot during the Satur-

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Buddy Townsend with buffalo coat and hat in camp.

day hunt. Over the years most hunters carry flint smoothbores or double-barrel, percussion shotguns. There was one double flint 20-gauge shotgun. Only three rifles were carried and they accounted for four of the squirrel. Sean Rowland got three of the four and it was his first year at the hunt. This was one of the better years for squirrels here in Pennsylvania.

Of the 13 people carrying muzzleloading smoothbores, 4 were flint, including the double-barrel. Of the other 9 double barrel percussion shotguns, 6 of them were originals. Originals are actually cheaper than many reproduction double-barrels muzzleloaders. The reason is, because there were so many muzzleloading shotguns made between 1840 and 1880. Muzzleloading shotguns were common and almost every settler who went West took one, mostly because they are versatile — from shooting game to defense.

Over the years, we go back to the same spot and we built a common shelter at the campfire. Mostly because of snow. We actually got wetter from a snow storm than we ever did from rain. The heavy wet snow stuck to us, and melted, and made us miserable. The next year we built a frame work

that we cover with canvass made to just fit that shelter. The latest addition to the squirrel shack was a standing hearth for cooking. Of the sixteen people at this year's hunt 5 were over 60 and one of those 5 was over 70 years old. Squatting by the campfire cooking was starting to chase some of the original founders of the hunt away. The raised hearth was a great addition; it is hard to keep the kids from using it.

Doing events like this you will be surprised how much you read on winter campaigns of the French and Indian War and the American Revolution to see how they dressed and kept warm. How they preserved and kept their food. How they even hunted squirrels. When you got involved in the muzzleloading sport did you think you would have learned all that you have learned about the history of the muzzleloading time period? Aren't you glad you did? MB



Lucas Fulmer center with his Uncle Mark to his left and his dad to the right help prepare the Squirrel Stew.



Author in "Squirrel Camp"

BEYOND FRIENDSHIP



By James C. Fulmer

This December brings to close the 2017 chapter in my book. As I get older I am starting to listen more than I talk. Many people find that hard to believe, but I am finding people more interesting in my old age. I always enjoy introducing people to new ideas and different books to read. Buddy Townsend spent a day reading one of my books I own of the Collected Poems of Robert Service while waiting for me to come home from work so we could start on our annual squirrel hunt. But many people have introduced me to new books. Hearing me complain about Millennials, a friend told me that is nothing new, read Elbert Hubbard's book that was published in 1899 "A Message to Garcia".

"Message to Garcia" is actually based on a true story about young Lieutenant Andrew Rowan who was sent on a mission to deliver a message from then-President William McKinley to the leader of the Cuban rebels Calixto Garcia. The tensions between United States and Spain (which ruled Cuba at the time) was growing and the Spanish-American War was about to break out. It is a great little book to read and is one of the few books written on what it takes to be a hard-working follower. Lieutenant Rowan's initiative is something that employers wished all their employees had while working. In 1899 when it was written they had the same problems with finding employees who could work without supervision and



Mike left and Richie Clemons have been coming since they were little.

complete assignments promptly. The little book was written well before there where Millennials. Go to the internet and type in "A Message to Garcia" to learn more, it is a great read.

You have heard this before, when a successful business man was asked what his top three tips for success was. He said that is easy "Read something no one else is reading, think something nobody else is thinking, and do something no one else is doing." Pretty simple, that is one of the many reasons I love muzzleloading. Muzzle loading fits all three of those categories.

By shooting a muzzleloader you are doing something nobody else is doing. Since the invention of the cartridge, the muzzleloader faded fast into historwle-loading shotgun hung well into the cartridge era because of being inexpensive compared to the modern shotgun of the late 19th century. When you load a muzzle loader it is like making a custom reload



The "Squirrel Shack" with raised hearth Mike Wengert left and Norm Hoover cooking.

(Continued on page 80.)

JIM KIBLER'S SOUTHERN MOUNTAIN RIFLE KIT

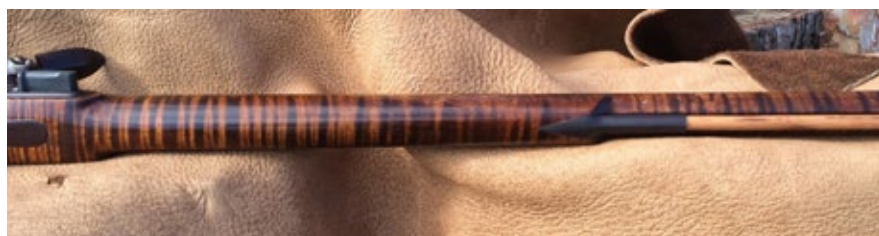


Project by: **JOSH HEATHERLY**



Josh finished his .45 Caliber Extra Fancy Maple Southern Mountain Rifle Kit with aqua fortis, linseed oil and cold brown. He made custom modifications including pewter nose cap, entry pipe, side plate, toe plate, and patch box.

Photos courtesy of Josh Heatherly.



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