

# VERY High Power

*Dedicated to the Sporting Uses of the .50 BMG Cartridge*

THE MAGAZINE OF THE FIFTY CALIBER SHOOTERS ASSOCIATION

*"We're the Good Guys"*

2025 - 1

In memory of  
Frank Bieck



**IN THIS ISSUE**

**We're DIGITAL now!**

**Step up. Board of Director nominations needed.**

**In memory of Charles Butler**



# From the firing line

**H**

ere we are March 2025 getting ready to put out our first Very High Power Magazine in digital format.

Some members disagree with this decision. Others believe this platform can appeal to younger people and a larger platform. Here are the costs incurred by FCSA in 2024 to clarify the rationale behind this decision. The cost of just printing three magazines was \$13,423.88. Postage to mail it cost us \$2,331.36. We paid a layout person \$7,650 in addition to paying our editor \$3,000. I am sure your head is spinning just trying to do the math here!

Now on another big-ticket item we have paid so far \$8,196.00 to renew our logos. Our yearly club insurance payment was \$2,512.90. I will not bore you with any more figures but want you to know that I am really working hard to learn all the pieces to the FCSA puzzle.

So far, it has been a challenge, but I will do whatever it takes to try to learn every detail correctly, so we all continue to shoot together as one big family.

The first match of the season is at Shreveport, Louisiana at Long Range Alley. I will be attending along with three new members. Match directors have confirmed twelve FCSA-sanctioned matches and a Fun shoot event. Traveling across the United States to take part in every match involves a significant amount of driving and shooting.

The FCSA needs more people to consider writing articles for the VHP. The articles do not need to be long just of interest. The FCSA has a notable history worth sharing. I reviewed historical magazines and will send articles to editor Ben Baker for



*Roxanne Myers*

future issues.

It is interesting to see the cost of what it used to be and what it is now. I want to thank all the wonderful people who I have talked to over the phone calling in to renew their membership.

Everyone has a cool story about why they want to renew their membership and continue supporting us.

Our current membership numbers are still low. We have 827 members, at which total 345 are Life Members, and 482 have current paid memberships. It is now time to think about upcoming nomination for incoming President vice President and Board of Directors.

We have four Board of directors with one year left on a two-year term. Those directors are Bruce Craik, Owen Hamilton, Archie Haymaker, and Mark Miller. Nominations are due into the FCSA office no later than May 1st, 2025.

You may submit your nominees through mail or email at [50calibershooters@gmail.com](mailto:50calibershooters@gmail.com). It is especially important to take time to do this for the future of the FCSA. If anyone needs anything, please do not hesitate to call the office at (435) 527-9245 hours 9am-4pm central time.

Thank you, see you at the line soon.

FCSA HQ  
435-527-9245  
1MOA.org  
[50calibershooters@gmail.com](mailto:50calibershooters@gmail.com)

*Roxanne Myers*

## Wanna be on the Board of Directors?

## Nominate yourself. Nominate someone else

Nominations to: Roxanne Myers

(435) 527-9245 • [50calibershooters@gmail.com](mailto:50calibershooters@gmail.com)

# The editor's bench

*A*s noted in Roxanne's article, the FCSA paid me to edit magazines last year.

As I was laying out this edition, I spoke with her and said I will not accept payment from the FCSA for doing the magazine for the time being.

In other words, all the work I put into the magazine is volunteer. That will save the FCSA a chunk of money every year, well, a chunk of money by my standards.

I cannot in good conscience accept money from the FCSA for doing something I love to do, especially when finances are tight.

I write. It is who I am, it is what I do and it is something I have to do in order to stay sane. It's like sitting in a deer stand, my .45-70 on my lap watching a half-grown deer play with the wild turkeys while momma looks sideways at my stand. It's like sitting in my canoe at dusk throwing a topwater lure and having bass explode on it.

I do all the layout now. I enjoy that, but not to the same extent as writing.

## NEED WRITERS

Yes, I'm beating this drum again. Write for VHP. Tell your story about getting into shooting the big 50.

If you are not comfortable writing your story, I'll help. We'll talk. You tell me your story and I'll put it into printed words. I'm pretty sure I can handle that. For more than 40 years now, that's how I've made a living.

## RANGE REPORTS

We need range reports. Fun shoots and sanctioned matches. Send them in. If you cannot write the article, I can. Call me.

## GOING DIGITAL

Yes, as Roxanne noted, we're going digital. The combined savings to FCSA are huge. No printing costs and no mailing costs are huge savings.

More importantly, we are no longer bound to the requirements of the printer. Hard copies have to print in multiples of 4 pages.

Now, we can run any number of pages we want. There is no limit going in either direction.

Hard copies are also limited on page size. Sometimes when we print the results in the Excel (I think) spreadsheets, we have to cut and paste, re-size and so forth. No more magnifying glass to try to read the sheets. YAY!

## NEWS

Sadly, the news on the .50 BMG front is not good. Story elsewhere in this edition.

More and more politicians are trying to ban the big bore, here and abroad. I scour the Internet regularly looking for news to share with y'all about the .50.

If you come across some news item, please let me know. I'll chase it down and find out what we need

to know.

## FUN STUFF

As of this writing, I have a new .50 inbound. Details will come after I get it and head to the range to bring y'all a full review. It is an AR-15 upper, not a full gun.

Despite it not having a trigger, grip or other parts needed to make it go "BOOM" safely, the BATF has declared it to be a firearm. Whatever.

Georgia, where I live, has a 50-capable 1,000-yard range on the west side. FCSA used to have shoots there and we can again, if we can get enough people to sign up.

I plan to be in Raton. I won't be shooting as my shoulder simply won't allow it. I'll work the targets for whoever needs someone on the far side of the berm. I am looking at medical intervention for the shoulder after Raton.

Susan, my daughter, says she wants to go with me. We shall see. She does not want to shoot in the tournament, but does want to drop a hammer just to say she did. She is willing to help pull targets too, but I expect she'll also want to wander around New Mexico as well..

After every issue, I hear from members. **I love that.** Tell me what you like, what you do not like, what should stay the same and what should change.

Lemme hear from you.

VHPeditor@gmail.com

redneckgenius@gmail.com

229.445.0923



*Ben Baker*

*Ben*





# BOARD OF DIRECTORS

The FCSA is governed by a Board of Directors. These are members in good standing in the FCSA.

In short, the Board directs the FCSA, makes needed changes to how the organization is run and creates a budget for the association to follow.

This year the FCSA needs

A President

A Vice President

4 Board Members

You may nominate someone. Just make sure that person is willing to serve.

You may nominate yourself.

The nominee needs to send in photo and bios. If you nomination someone else, they must provide that information.

Board members who will serve another year are:

Bruce Craik

Owen Hamilton

Archie Haymaker

Mark Miller

## NOMINATION DEADLINE IS MAY 2

Nomination letters must be postmarked by May 2 to be considered.

Mail hard copies of nominations to:

FCSA

PO 936

Whitehouse TEXAS

75791

Email nominations may be sent to:

**50calibershooters@gmail.com**



**PLEASE SEND OR ATTACH A PHOTO!**

Reasons why this person will make a good Board member. Use another sheet if needed:

[illegible]

# *Left the Range*

**Frank Bieck**

1936 – 2024



Fifty-Caliber shooter extraordinaire, Frank R. Bieck

There have been many father – son teams in the Fifty Caliber Shooter's Association, and even father – daughter and husband and wife teams. But I think I can safely say, one of the best was Frank and Patrick Bieck who are both world champions.

Patrick is a long-time fifty-caliber competitor. He is a two-time world champion and holder of a world record for the smallest group in Unlimited class of 2.0 inches. That is five shots at one thousand yards. Patrick's father Frank joined the FCSA in 2012 and immediately started being noticed as one of our top shooters.

Frank immediately impressed us, shooting high scores and small groups, taking home trophies and even sometimes beating his world champion son. He was our hero.

He was an inspiration to the rest of us; friendly and humble, always a good sportsman. We aspired not only to try to be as good a shot but also would like to think we'd have the stamina, talent and eagle eyes to still be mastering these big guns when we grow up.

Married to Donna, Frank was an Army veteran. He was born and lived in Harvard, Nebraska, working for the John Deere Tractor Company. His age was only 88 when he had to leave early. The good are needed elsewhere ya know. That's why I'm still here.

I don't think anyone was surprised when he took the coveted FCSA Two Gun trophy as the overall winner at the 2021 world championship match.

It's bad enough for the rest of us to lose a friend and a tough competitor like Frank. Our condolences to Patrick, who not only lost his father, but also his best friend and shooting partner.

Frank will be sorely missed. He was, and is, an inspiration to all of us.



### The Man of the Year.

July 4, 2021. The overall winner. Frank, at the center is surrounded by friends, family and trophies. He is holding one of the rare world champion belt buckles after showing us all how it's done. His son Patrick is at left and FCSA President Randy Ofstad at right, also holding one of Frank's trophies.

By Dale Arenson

The FCSA family sends prayers and thought to Frank's family. We know he is hitting the X ring with every shot now alongside other FCSA shooters who welcomed him home.



# *Left the Range*



**“If only that fifth shot would have....”**

**Arrangements by:  
Adams Celebration of Life**



**C**harles Milo Butler, 84, of Iowa Falls passed away Sunday, January 12, 2025, at Maple Manor Village in Aplington. Funeral services for Charles were at 11:00 am Saturday, January 18, 2025, at Adams Celebration of Life in Owasa. A time of visitation will precede the service at 9:30 to 11:00 am, with a fellowship luncheon to follow at Noon. Burial will follow at the Jackson Township (Berlin) Cemetery. With honor, Adams Celebration of Life is serving the family.

Charles Milo Butler was born January 21, 1940, to Milo Dayton and Ethel May (Gast) Butler in Iowa Falls, Iowa. He attended Owasa Community Schools graduating with the Class of 1957. He attended Iowa State University briefly before returning to farm with his father and brother, George. On April 29, 1958, Charles was united in marriage to Hope Lynnette Upchurch and to this union were born a son, Tim, and daughter, Tanya. Charles and Lynnette later divorced. Charles farmed the family farm in Jackson Township until his retirement in 2005 and was the last family member to do so on the Century farm, founded in 1880. Charles was an accomplished gunsmith and enjoyed shooting sports of all kinds. In his retirement, Charles discovered .50 BMG shooting and competed in matches in Raton, NM, Alliance, NE, Rattlesnake Mountain, W A and other places. Charles was awarded the President's Award for Distinguished Service by the Fifty Caliber Shooters Association in 2015, and among his many trophies, including a 3rd place finish in the World Championships at age 78, he considered this his most prized recognition. Charles displayed a unique charm and wit that made him a great friend to many in the shooting community, his family and the neighborhood, and eventually endeared him to his numerous caregivers. While not an active church member in later years, Charles confessed Jesus as his Savior

and readily spoke about his theology and assurance of faith.

Charles Milo Butler is survived by his children: Tim (Sue) Butler of Waukesha, WI and Tanya (John) Butler-Browning of Oregon City, OR; 1 grandchild: Taylor (Kenzie) Browning of Tualatin, OR; and numerous loving nieces and nephews in the Butler, Whiting, and Granner families. He was preceded in death by his mother and father; sister Norma Whiting; sister Janice Granner; and brother George.

On behalf of Charles, we want to thank the many caregivers at Treasured Hearts Home Care, Maple Manor Village, The Hanson Family Hospital, Green Belt Home Care and St. Croix Hospice for their loving care. In lieu of flowers, we ask that a contribution be made to your favorite charity in

Charles' name.

### **Celebration of Life**

Saturday, January 18, 2025

9:30 - 11:00 am - Visitation

11:00 am - Service

Lunch followed the service

### **Adams Celebration of Life**

25631 Co Hwy D35

### **Prelude**

The Goodness of God

Prayer & Welcome

Charles Butler Obituary

How Great Thou Art

Scripture: John 14:1-3, II

Corinthians 5:1-8, 17-18

I Can Only Imagine

Tributes

It Is Well With My Soul

Family Tribute

Great Is Thy Faithfulness

Scripture: Psalm 116:1-5, 13-1

5a

Thank you

Closing Prayer

Postlude

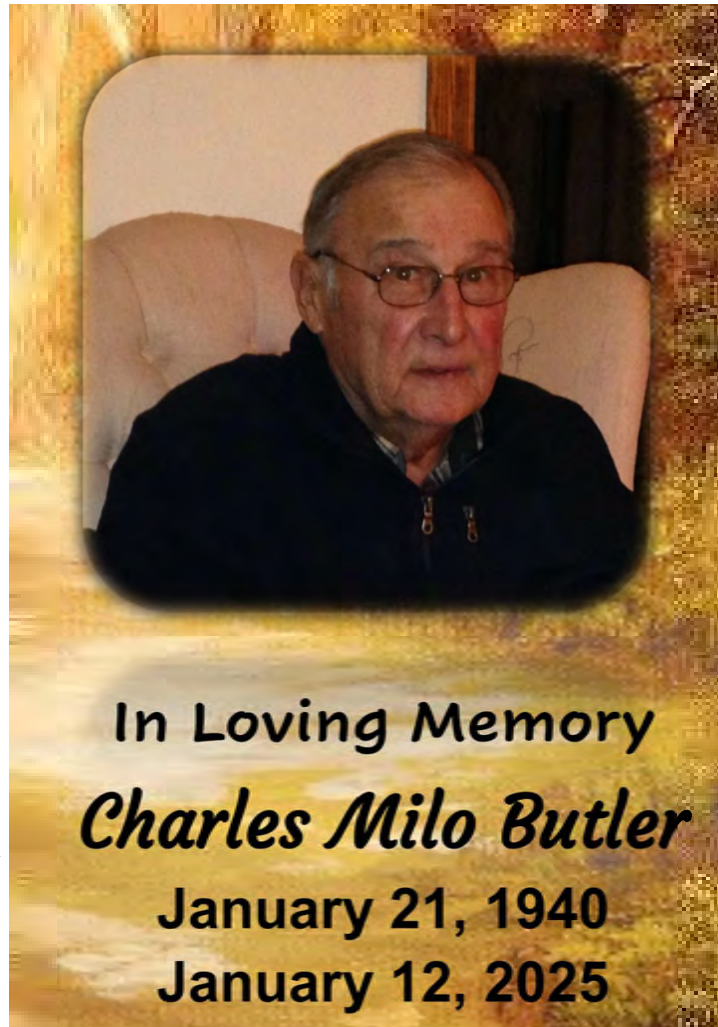
### **Pallbearers**

Greg Heikens, Taylor Brown-

ing, Todd Granner

Nick Buseman, Randy Evans,

Bart Rieks



Honorary Pallbearers

ArnieLuiken, Dean Bright

### **Final Resting place**

Jackson Township (Berlin) Cemetery

Owasa, IA

The FCSA family sends prayers and thought to Frank's family. We know he is hitting the X ring with every shot now alongside other FCSA shooters who welcomed him home.

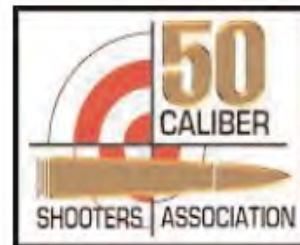


**Help the FCSA  
when you are gone.**

**Remember the  
group that means  
so much to you.**

If you have .50 BMG guns and gear and no one to leave it to, will it to the FSCA. We can sell it raise money for the organization. We will be sure your prized possessions go to someone who will treasure them as much as you do.

You can include the FCSA in your will in other ways too. Just ask the person who prepares you will to add a section for the FCSA and what the organization should receive.



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**1moa.org**

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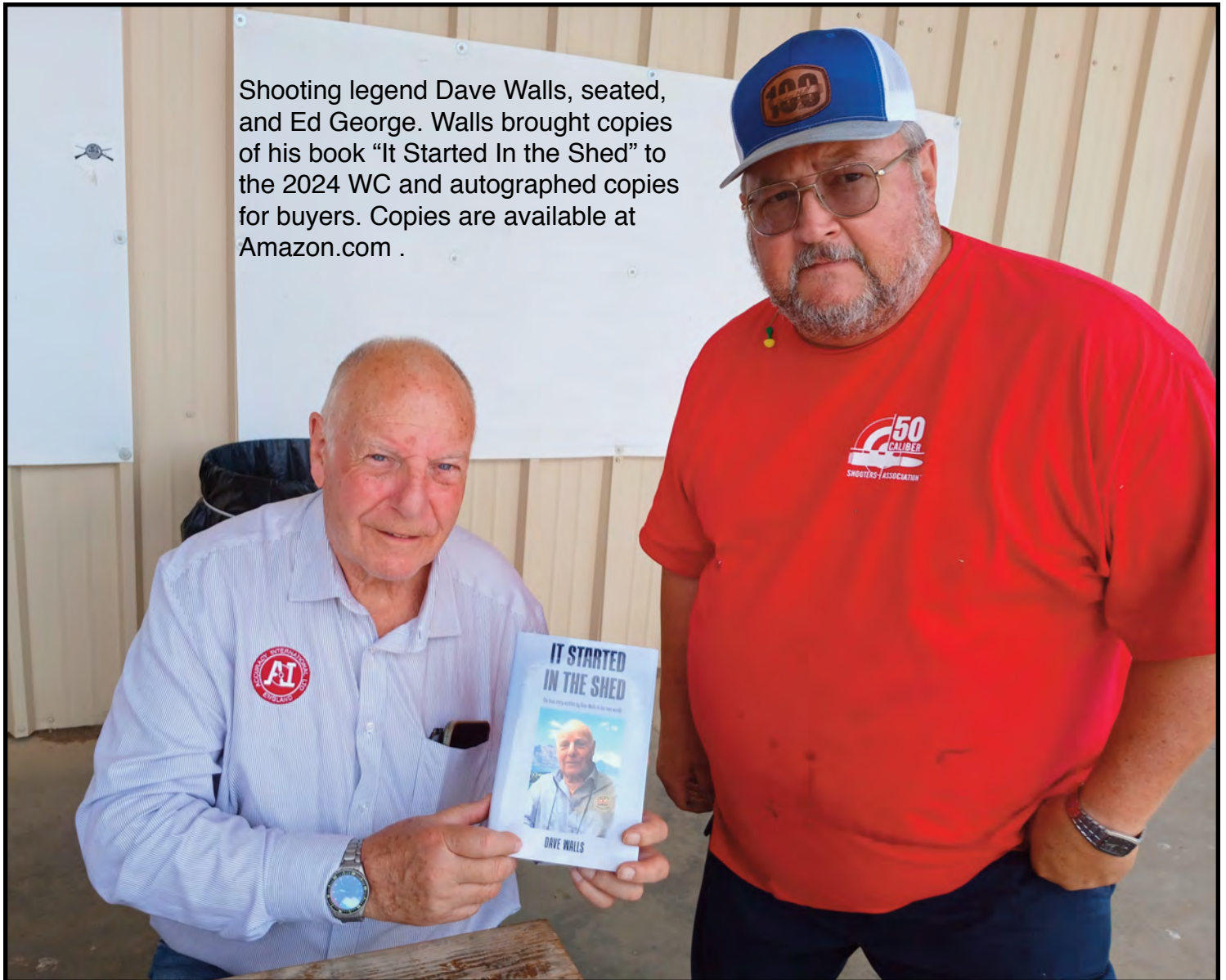
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Shooting legend Dave Walls, seated, and Ed George. Walls brought copies of his book "It Started In the Shed" to the 2024 WC and autographed copies for buyers. Copies are available at Amazon.com .

# A shooting *LEGEND*

Dave Walls, an international shooting legend and founder of Accuracy International was kind enough to take time to answer some questions for VHP.

**VHP:** Where were you born and when?

**Dave:** I was born in England just after the Second World War in a small town in West Sussex

**VHP:** Married? Kids, Grandkids? Great grandkids?

**Dave:** I was married but unfortunately my wife died 32 years ago, I have a son and daughter but they're not children anymore they're both in their 50s today. I didn't remarry but I do have a partner

that I have been with for just over 20 years.

**VHP:** What was your first gun? Do you still have it?

**Dave:** My first gun was a Very old 22 calibre Vickers jubilee That was produced in the early 1900's. When I bought this rifle from a local gun shop I had very little understanding about what makes an accurate rifle, and after a couple of years of shooting with it I began to realise that its lack of rifling for the 1st 6 inches of the barrel gave me very little chance of achieving respectable scores.

**VHP:** Do you have a gun you will never part

with? What is it and why?

**Dave:** I'm not possessive about my guns as my company upgrades its rifles I just move on to the latest model, you might have guessed they are AI rifles that I shoot with.

However, I do have two replica Colt pistols that I made in my early days, and I would never part with them because were my first introduction to the gun trade.

**VHP:** Who taught you to shoot?

**Dave:** When I was about 11 years old my disabled father taught me to shoot with a home-made bow that he made for me from a bamboo cane with a string attached at each end.

After a couple of years of shooting with this bow I persuaded my father to convert it into a crossbow, now it was beginning to feel more like a rifle!

When I was in my late twenties and had been shooting at different clubs since I was about sixteen, I like many others thought I knew it all and I only needed more practice but, I wasn't progressing fast enough. so, I stopped and asked myself if I could benefit from getting some professional tuition. I had a chat with my club secretary, and he suggested I take a shooting instructors course with the NSRA and he put my name forward. In those days I had no intentions of instructing anybody this was for my benefit only, I just wanted to improve my own ability. I went along to take part in the course to find it was on three positional rifle shooting.

I had never shot from the standing or kneeling position before and I wasn't sure if I wanted to.

Everyone taking the course was a member of a three positional shooting club which made me feel



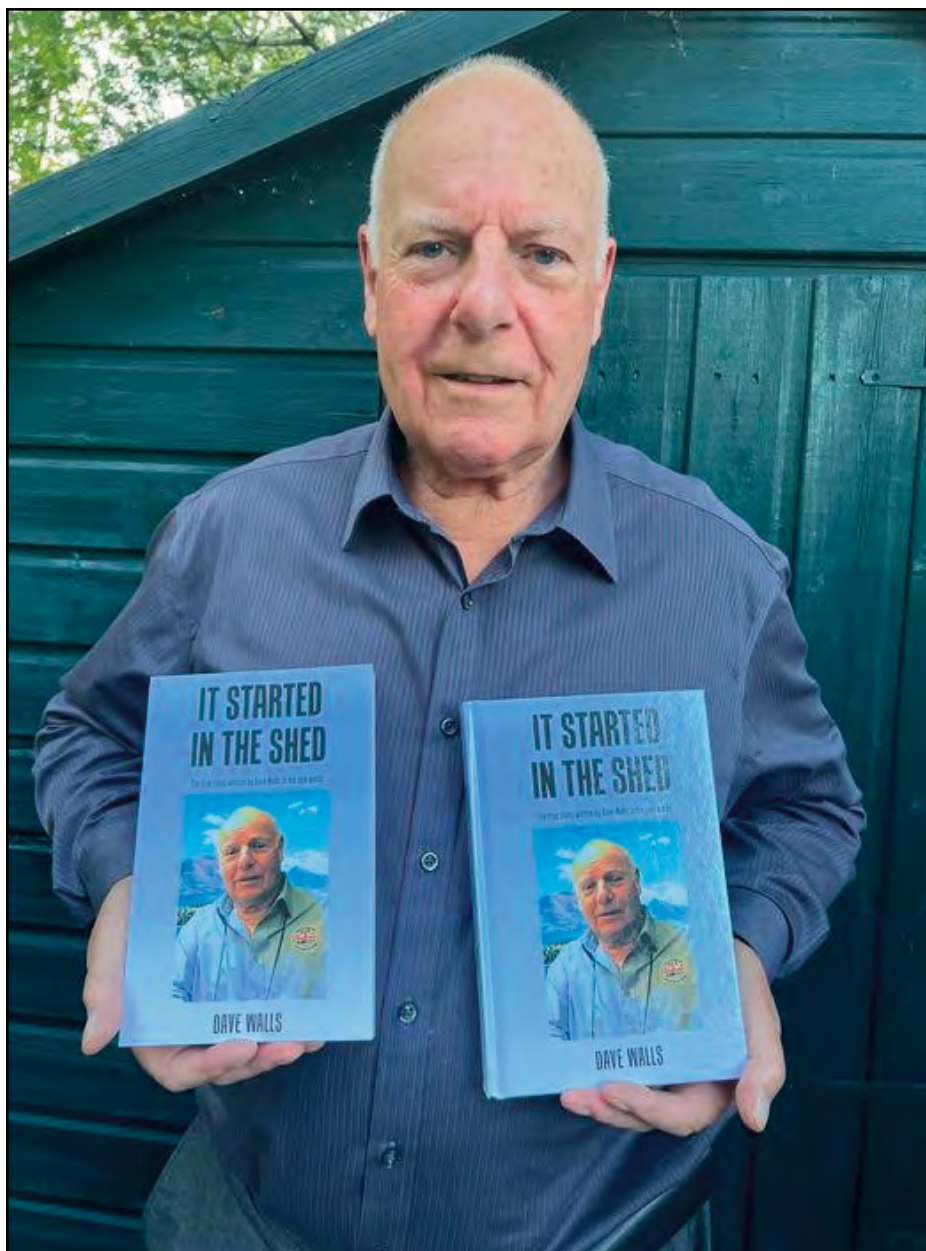
Dave Walls and 2 Colt replicas he made years ago. I made the pistols because I wanted them to hang on my wall at my house, as I've always liked Colt pistols. After showing them to an arms dealer he said he thought I had the potential to make my own rifle. Up to that point in my life I had not made anything for the arms industry, other than the odd firing pin or cleaning rod guide. Then I made a target rifle for Malcolm Cooper. And it progressed into making a prototype sniper rifle.

as if I was in the wrong place because I had only shot from a prone position.

Anyway, I wanted to improve my skills, so I stuck with it, as the days at this instruction course went by, I became even more amazed at how much I didn't know.

When I had fished the final day of this enjoyable session, I decided I would join a three positional club and give it a try, so I purchased a recoilless air rifle to practice with at home and every evening after the kids had gone to bed, I practised shooting from a standing position at a 6yd target down my hallway. After practicing like this for a couple of months, a member of my rifle club enquired as to how I was getting on with my air rifle and what





my scores were like.

I told him what I was averaging, and he laughed at me and said, "If you were shooting scores like that you should enter the British championship because you would win!"

Over the next few weeks, I collected my targets and had my scores verified by another club member, there was no mistake, my scores were as good as I had thought, so I decided to enter the 1976 British Air Rifle Championship held in Cardiff South Wales, the 10 metre and the 6yd class. As I had no previous classification, I was entered in class C.

My results were 10 metres 1st Place. 6yds 3rd place, and overall 11th place in The British Champi-

onship finals which was a shoulder-to-shoulder match in front a large audience.

This was the first major championship I had ever entered, and it started me on the road to my shooting career.

Never again at my rifle club did anyone make a negative remark about my shooting ability!

**VHP:** What is your most memorable shot, or memorable shots? Can have more than one. What made it so memorable?

**Dave:** I think one of my most memorable shoots was after taking part in filming on the Discovery Channel where our AS50 Semi-Automatic rifle featured in a new future weapon series. an ex-Navy SEAL had to demonstrate hitting a target at long range, but the light was poor, and the film crew managed to film him shooting the rifle but were not able to see him hitting the target.

After about three months the film company approached me and asked if I would double for The Star of the show and take the shot. This was to take place at castle Martin in Pembrokeshire, I was supplied with cloth-

ing too much what the ex-Navy SEAL had been wearing and shoot the AS50 semi-automatic rifle at 1400 yards. I got in position with the cameraman standing astride me and fired five shots at a figure 11-man size target. I hit the target five consecutive times, then picked myself up off the ground and started putting the rifle away, then it was noticed that I was left-handed, so they wanted me to repeat what I had just done shooting right-handed this time, so I got back in position and fired a further five shots right-handed this time and once again I hit the target five consecutive times, I couldn't help noticing the display of amazement on people's faces, that I had done it again right-handed this

time. I didn't show any signs of surprise or just being lucky, I just picked the rifle up and walked across to my car and packed it away, as if I could do this sort of thing any day of the week (I wish)

My design team nicknamed this incident as the 'Longest Shot' because on the Television program, it showed the Star of the program firing the shot at a target in Warminster Arm camp in Wiltshire, then 'Me' hitting the target at Castle Martin which is 192 miles away in Pembrokeshire. Who says the camera can't lie?

**VHP:** What fascinates you about shooting? Why?

**Dave:** I think being able to hit a small target from a great distance rather intrigues me and when I can manage shooting at that distance, I move the target back even further and try and do it again.

**VHP:** What is your favorite animal to hunt? Why?

In my life I have only ever hunted for food I've never been interested in in shooting animals as a sport.

**Dave:** What is your favorite caliber or calibers?

Why?

I don't have a favorite caliber. I enjoy the challenge of hitting the target I have no preference in what I achieve it with.

**VHP:** What is your favorite platform, bolt, break action, semi auto? Why?

**Dave:** I refer shooting with a bolt action rifle, I like taking my time and firing slow controlled deliberate shot at my target trying to achieve a tight group.

I've never really being interested in rapid fire, but I was approached by the American Navy to develop a 5 shot semiauto 50 Caliber rifle. This was the AS50 and I had been timed while shooting a 5 shot burst of fire in 1.6 seconds.

**VHP:** How often do you shoot?

**Dave:** I don't shoot as often these days as I did 10 years ago, I think my age has something to do with that.

I go to Bisley Ranges approximately every 3 weeks and shoot with my 308, 6.5cm and the latest edition is my .22 Anschutz in my AICS chassis system.

**PLEASE BE ADVISED THAT OUR BUSINESS NAME HAS CHANGED!  
PLEASE UPDATE YOUR RECORDS TO REFLECT THE CHANGE.**

NOTE THAT OUR WEBSITE WAS HACKED BY AN INTERNATIONAL COMPANY AND THERE IS NOTHING WE CAN DO TO RECOVERATE OUR REAL COMPANY IDENTITY. WE ARE STILL IN BUSINESS WITH THE SAME QUALITY FOR OUR PLASTIC AMMUNITION BOXES AND TOOLING & INJECTION MOLDING, ISO 9001: 2008 CERTIFIED COMPANY

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*formerly J&J PRODUCTS CO.*

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Monday-Friday 8:00 am - 4:00 pm, PST. Tel: 310-450-8925 OR 818-966-1108 Fax: 818-998-1593



Other than that, several evenings per week I practice on my home 25yd range with my air rifle.

The only 50 Cal shooting I do now is when I take part in the World Championships at Raton New Mexico. Other than that, I only shoot at ranges if I've been asked to attend by military or police units which is usually for instruction purposes.

**VHP:** Where is your favorite range and why is it the favorite?

**Dave:** My favourite range is my home range, it's 25 yards long which is 1/40 of one thousand yards which makes it easy to relate group sizes to other distances.

I practice with a .177 calibre air rifle, that weighs only 13 pounds with the scope sight fitted. Shooting with a lightweight rifle combined with a slow projectile giving a prolonged barrel time magnifies my errors, showing me the direction my concentration needs to be focused.

**VHP:** What makes a good shooter?

**Dave:** Ignore what other people are doing and concentrate on your own performance. If you take notice of how other people are doing it will put undue pressure on you and it will have a negative effect on your performance.

**VHP:** What famous, or infamous, shooter would you like to meet and why?

**Dave:** A very memorable instance that surprised me was as I walked back from receiving my prize for my performance in the international class at one of the world championships, Dale Arenson who has won the world championship so many times throughout his life stood up and shook my hand, I felt so proud of that moment and will never forget it. throughout my life I have met or shot alongside most of the best shots in the world in several different shooting disciplines, and I try to keep my focus is on my own performance, winning or losing isn't something I think about during a competition. I'm competing against myself just trying to do better than I've ever done before, and the results will take care of themselves.

**VHP:** So what prompted you to found Accuracy International?

**Dave:** That is a difficult question to answer, I didn't start off with the intention of starting a business. A workmate and I started producing things in the firearms business because we want to raise enough money to purchase new rifles for our own use. After we had raised enough money, we didn't intend to continue manufacturing, we intended to stop and enjoy our rifles and get on with our lives. But it became difficult to give up because the demand was so great, and the money was good. We traded under the name of C&W Products for several years from a small workshop at the end of my Garage.

We were taking on repairs and rifle tuning from several gun shops throughout the Uk.

I decided to build my own rifle after several rifles I had competed with had let me down badly in competitions.

My rifle was later spotted by Malcolm Cooper who at that time was by far the best shoot in England, asked me if I would make a rifle for him which I did, and he shot a new world record and won the world three position championships with it.

Malcolm had contacts with the British Army a learned about a requirement for a new sniper rifle and we used one of our C&W product rifles fitted with a magazine and a new stock to tender for the contract. It became the L96A1.

This left us in an awkward position Malcolm had won the contract with his company Accuracy International Shooting Sports Ltd. and Dave Caig and I had the design knowledge in C&W products, so we joined forces with Malcolm, and formed a company called Accuracy International Ltd.

**VHP:** Would you rather develop a new cartridge or a new gun? Why?

**Dave:** I would always choose to develop a new rifle as I lack experience in bullet designs, there are loads of very experienced guys that have a world of knowledge of ballistics.

**VHP:** What advice do you give someone just learning to shoot?

**Dave:** Learning to be safe around firearms, learning to shoot well comes with time.

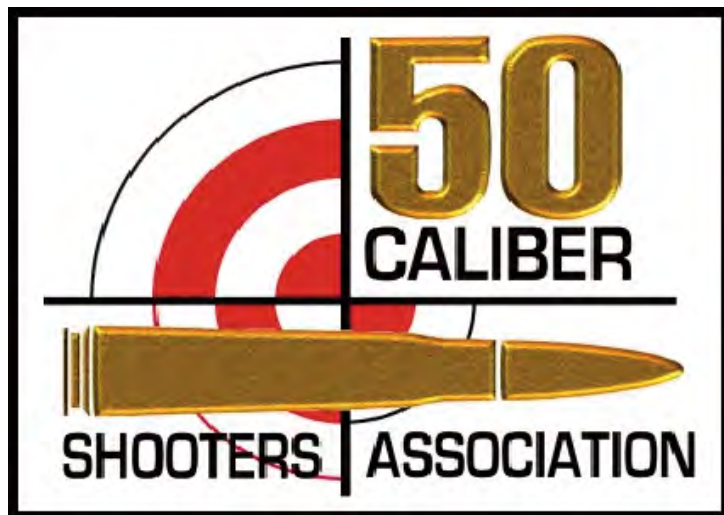
**VHP:** What is your favorite book and why?

**Dave:** When I was a child, I suffered from dyslexia and when I was old enough to leave school I couldn't read properly, so I haven't read many books, in fact the only one I've read all the way through is my own book - *It Started In The Shed*.

**VHP:** What surprises you most about the modern gun industry and why?

**Dave:** I think the biggest surprise I had about the gun industry was it appeared to be caught up in a time lock and it hadn't changed for many years. when we produced the L96A1 the shooting fraternity looked at our rifle, and because it didn't have a wooden stock and conform to their para-

digm of how a rifle should look, was frowned upon but this soon changed after it out shot everything else on the range.



An advertisement for Pro-Shot Products. At the top, the Pro-Shot Products logo is displayed, featuring a silhouette of a shooter and the text "Since 1982 Pro-Shot Products". To the right of the logo, contact information is provided: "ACHIEVE LONG RANGE MAXIMUM ACCURACY WITH PRO-SHOT YOUR SOURCE FOR MAINTAINING YOUR HIGH POWER RIFLE!", "PHONE: 217.824.9133", "EMAIL: SERVICE@PROSHOTPRODUCTS.COM", and "WWW.PROSHOTPRODUCTS.COM". Below this, the text "ONE PIECE CLEANING RODS" is prominently displayed in large, bold, white letters, with "MADE UP TO 50" IN LENGTH" underneath. The advertisement is divided into three sections. The top section shows a "Precision Spear Tip Jag" and "Benchrest Quality Bronze Bore Brushes". The middle section features a "MADE IN AMERICA HAND CRAFTED SUPERIOR QUALITY PRODUCTS" seal. The bottom section displays "PRO-SHOT 100% COTTON FLANNEL PATCHES" and mentions "SWT SUPERIOR WEAVE TECHNOLOGY".

An advertisement for NRA membership. The main text reads "Give a Gift OF NRA MEMBERSHIP" in large, bold, red letters. Below this, it says "Sign up friends and family today!" and "call: 1-877-672-2000" in red, followed by "or visit our website: www.nramemberservices.org". To the right of the text, there are three magazine covers: "American Hunter", "What's Hot", and "Rifleman". The "Rifleman" cover features a rifle and the text "RUGER'S 'EXCELLENT' MAGNUM". The background of the advertisement is a light, textured surface.



by **Ben Baker**  
editor

When many .50 shooters think of a .50 BMG variant they talk about the different projectiles. Some folks will think of a few rounds using the .50 BMG case as a parent.

John Moses Browning's big round has spawned some familiar rounds and some wildcats that are likely one-off projects.

Some of these are in the ammo display cases at the NRA Whittington Center outside Raton, N.M. If you get the chance to visit the museum, you should. The ammo is stored in drawers.

#### **460 Steyr**

The 460 Steyr kicks out a 650-grain .4579" proj around 3,000 FPS. For those who wonder, the venerable .45-70 Govt. slings a .458" proj. Close enough for government (and I INTEND my puns dagnabbit) work? Sort of.

The old lever action generally maxes out the proj around 500 grains. Going smaller in the Steyr might be easier than going up the .45-70. That's something for the physics shooters to discuss.

Developed by Horst Grillmayer in 2002, Steyr Mannlicher still makes the rifle for those who are interested.

#### **50 DTC Europ**

Eric Danis of Dan Tec proved once again that whatever rule a man creates, another man can figure out a way around it. He made the round to comply with European regulations on the .50 BMG. Happily, the same cartridge is also legal in California which banned the .50 BMG.



The 17/50 Incinerator amid a bunch of other wildcats at the Whittington Center display.

The DTC case is 1/10th of an inch (2.5 mm) shorter than the standard .50 BMG and has a sharper shoulder. Ballistically, the two are identical.

The .50 BMG and the .50 DTC are not interchangeable.

# Wildcattin'

## Some .50 variants

#### **Barrett 416**

Chris Barrett, son of Ronnie Barrett, teamed up with Pete Forr to make the .416 Barrett. The brass is a tad shorter than the .50 BMG and necked down hold a .416 caliber, 398-grain bullet.

The idea behind the round was to make a lighter version of the .50 BMG with less recoil, more range and more punch on the far end. While the round has plenty of fans, the .50 BMG continues to hold its own even in extreme long-range shooting.

#### **338-50 Talbot**

.50 BMG legend Skip Talbot worked on this one.

The round kicked out a 250-grain pill at 3,700 FPS from a 44-inch barrel. As with most wildcats necking down the .50, this one is a definite barrel burner.

#### **14.5mm JDJ**

J. D. Jones and SSK Industries took the .50 BMG brass and opened it up to accept a 14.5mm, .585 bullet. This bullet diameter exceeds the current BATF ruling for destructive devices, so SSK filed for and got an exemption for the rifle. You do not need a BATF tax stamp to buy one of these guns.

The original 14.5 mm round is the Russian heavy machine gun round.

#### **50 BAT/12.7x76 spotter**

This specialty round is a much-shortened .50 BMG. Some claim it is not a .50 BMG variant and is a stand-alone round. It is included here because some others say it is a variant.

The 50 BAT is shot from the M8C spotting rifle (semi-auto) as used on the 106mm M40 recoilless rifle. The idea here is the round follows the same trajectory as the 106mm.

The gunner shoots the BAT and tracks it. He sees the impact and knows he can get very close with the recoilless.

#### **.50 BMG SALVO Squeezebore**

This is a complicated round and a complicated gun.

Start with a standard .50 BMG round. Now take several projectiles, hollow-based and pointed nose. Stack these on top of each other. Wrap or coat them so they stay together when loaded into the brass. Some will stick out past the neck, hence the wrap or coating being necessary.

Make a barrel that chambers as a .50 BMG but tapers to a

.30 at the muzzle.

Shoot the round. As the projectiles go down the barrel, the constriction forces them apart and squeezes them. This is supposed to increase velocity of each round.

Rather than 1 projectile per round, you get multiple projs at once. The idea is the shooter could get multiple strikes on one target or increase the chances of a hit with one pull of the trigger.

### **17/50 Incinerator**

Some people think P.O. Ackley's .22 Eargesplitten Loudenboomer has to be the most ridiculous bullet ever. Enter the 17-50 Incinerator.

Where Ackley worked off the .378 Weatherby, Ammo-One stepped up to the Saint Browning's creation.

This one has a huge taper going down to the .17" neck.

The solid projs exit the barrel at 5,883 FPS, according to a report on the round from Accurate Shooter.

The Internet is divided on whether the Incinerator is real or not.

Kent Wilson of Ammo-One, who helped develop this extreme wildcat, told Accurate Shooter, "the speeds are so great we had to use a custom 3-groove, polygonal-rifling 1:20□-twist barrel to keep the bullets from disintegrating on launch. The polygonal land/groove geometry reduces bullet engraving, which also helps keep the bullets in one piece. Also we must use solids — regular jacketed bullets can't handle these speeds."

Barrel life is reportedly pretty short as well.

Ammo-One still sells this round, without powder and a spent primer.

### **17/50 Incinerator Improved**

But wait! There's more! The 17/50 Incinerator Improved greatly reduces the taper and puts in a very sharp shoulder. With space for another 20 grains of powder, this one has the potential to pass 6,000 FPS.

Sadly, I could not find any ballistic data on the improvement, so I cannot say if it is real or not.

### **50 BMG Improved**

The Improved version takes the parent case and reforms it. Fireforming puts a sharp shoulder and extends the body a bit. This increases the case volume, allowing more powder and more velocity.

### **50 McMurdo**

Lynn McMurdo created this one. The brass is trimmed just a bit and shoulder angle is much sharper.

### **50 Fat Mac**

It is a .50, but the parent cartridge is from the 20mm Vulcan. It's in the list because someone will ask why I did not include it.

### **MORE**

Certainly, there are more .50 BMG variants out there. Wildcatters will try to improve the round. Finding this is not easy, even with the Internet. So, if you know of a wildcat round based on the .50 not covered here, let us know.

If you are developing a wildcat, then VHP would love to interview you about the process, the round and your expectations for it.



A 50 Sptr/ with a tracer round between a standard 50 BMG and a .408 Cheytac far right.



The 50/30 Squeeze Bore. Note how the projectile is encased in plastic similar to a sabot



## Wildcatting the .50 BMG: Part I

by Monte R. Kyser

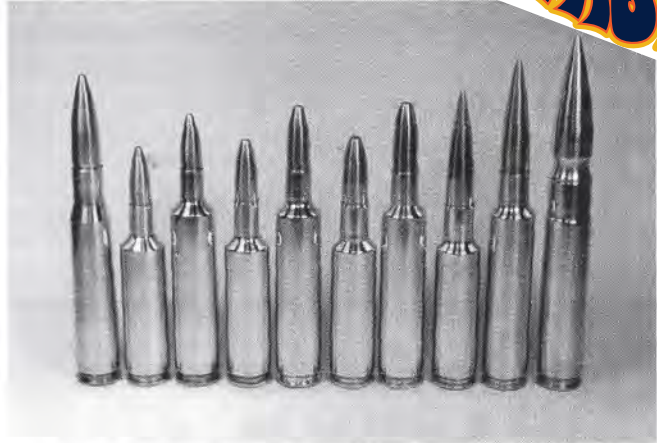


Wildcatting the .50 BMG is nothing new. Various experimenters and the government have been modifying the big case for various purposes over the years. However, very little actual data seems to be available on these experiments.

It is my intention in Part I to let the reader know what some of the possibilities are in wildcatting the 50. We will delve into case forming, long range bullets for the sub-calibers, frontal ignition, and making up the 70 in future articles.

I began working with the 50 back in 1987 with a Freshour gun set up for switch barrel use. Before the end of that year, I had a Sam May .375 caliber blank chambered in a full length improved configuration. It didn't take long to figure out that even T-570 was not slow enough. I had not been able to obtain but a sample of this powder before existing stocks had dried up, therefore I did not bother chambering the improved .50 BMG. With the exit of T-570, various experimenters in FCSA began shortening the BMG case to obtain higher load densities with heavy bullets. These shortened cases were fielded in competition for a number of years before V20N29 came on the scene and then use of the short cases dwindled rapidly.

When V20N29 became available, I got the wildcat fever again. I called K&P Gun Co. and ordered a small armload of barrels. I dusted off my old tooling and had JGS Precision Tool Mfg. grind a new headspace gauge that would give me an overall case length of 3.300". The taper on my reamers is such that I can make any length of chamber that I want, but when you want to reproduce the same datum measurement for the other bore sizes, the body gauge makes it much more precise. I also had them grind neck and throat reamers in the .416 and .458 calibers. I would use these in combination with my .375 reamer and the proper pilot to chamber the barrels in those calibers. This reduced some of the tooling cost and left more money for another barrel. I chambered the 3.300" versions first. After load development, the chambers were reamed out to the full length configuration. In an effort to keep the throats as fresh as possible, only 25 cases were fireformed in each chamber and then data worked up to safe maximums in each bullet weight. No attempt was made to accuracy tune the loads at this time, as I did not want the load data to be skewed by unnecessary throat erosion and bore enlargement from shooting solids. This can lead to some substantial powder charge increases to equal the same pressure as the barrel wears in these big cases. If a particular safe maximum load happened to shoot better than one minute of angle at 100 meters, it was noted in the load tables.



*The Kyser Thunderbolts L to R*

.50 BMG, 375 KTB 3.300", 375 KTB 3.910", 416 KTB 3.300", 416 KTB 3.910", 450 KTB 3.300", 450 KTB 3.910", 500 KTB 3.300, 50 Kyser Improved, 700 KTB



*The 3.300" Kyser Thunderbolts L to R*

375 KTB (300 Sierra BT), 416 KTB (400 Barnes X), 450 KTB (500 Barnes X), 500 KTB (750 AMAX), .50 BMG (647 IMI)



*The 3.910" Kyser Thunderbolts L to R*

375 KTB (300 Sierra BT), 416 KTB (400 Barnes X), 450 KTB (500 Barnes X), 50 Kyser Imp (750 AMAX), .50 BMG (647 IMI), 700 KTB (1,925 gr Advance Designs VLD) The improved 3.910" case in .375 and .416 are not usable with any available powder.

All of the data was shot with a Freshour action and barrels simply interchanged on the receiver. The stock is a Dunlap NRA target pattern that I have converted to a thumbhole configuration. No shooting was conducted with what you would call a benchrest-style stock and no muzzle brakes were used on cartridges below .50 cal. The gun weight averaged between 24 \_ to 28 pounds depending on the caliber.

Chronograph data is actual at ten feet from the muzzle and the average of five shots. Cases were formed on once-fired LC 85 brass. CCI primers were used in all loads. All bullets were molycoated and safe maximums were developed using the criteria of bolt feel on the fired case, meaning, after the fired case was inspected, it was reinserted into the chamber and the bolt closed on the case to gauge the closing resistance. At safe maximums, there should be a slight drag on closing. The listed safe maximums are three to five grains under where resistance to closure was felt, but I was still able to fully close the bolt without undue effort.

Barrel tenon size also effects how much your case will stretch at the web. My Freshour action has 1 7/16" x 8 TPI while my McBros and AMAC have 1 \_" x 12 TPI and my Horstkamp Swat action has 1 \_ x 12 TPI LH. These other actions will develop slightly higher velocities for the same case feel for obvious reasons.

Experience has shown that regardless of case size, there is only so much powder volume that can be used in a particular bore. The only way to improve the efficiency is to increase the barrel length. This certainly enhances the muzzle velocity and also lessens the gas turbulence at the muzzle area, which can be a real problem with these big case capacities when combined with short barrels and muzzle brakes. On the downside, we get increased metal fouling and bore time, along with an unbalanced rifle. If we are using a rifle configured for field or tactical use, we do not have the luxury of wide flat bottom forends and sandbag rests with very controlled gun movement. Instead we get decreased control of gun movement and the longer our bore time is, the greater the dispersion is going to be, depending on how solid our position and follow through.

### 375 Kyser Thunderbolt

This is a 3.300" case and represents all the case capacity that can be safely used with an improved case in the .375 bore size. In fact a 3.000" case would be better which would improve the loading density, and we would use a little less powder to get similar velocities. On a historical note, in the early 1980s, Research Armaments, who designed the AMAC rifles, experimented with a .50 Spotter case necked to .375 with no other changes. I do not know what result they got, but their intermediate range sniper rifle came out in the 338-416 Rigby, the forerunner of the 338 Lapua. In the mid 90s, Klaus

Horstkamp started turning out some rifles in his Mach 5 which is the standard .50 BMG necked to .375 with 36" to 42" barrels. Klaus claims 3,750 fps with the 300 grain Sierra BT, and I have no doubt he gets that in those barrel lengths.

I suspect guilt edge accuracy life of the barrel will not last long. I currently have two test barrels and the throat on one with only 150 rounds through it shows the start of erosion cracks its entire circumference as far as the 17" bore scope will reach. It still, however, is delightfully accurate and will poke five shots inside one-half minute with three different bullets at safe maximums.

#### CHRONOGRAPH DATA

375 KTB 3.300" Case  
Safe Maximums

K&P 14" twist 32" CM barrel  
LC 85  
Temp: 34 degrees F  
CCI 35

Case  
Primer

BULLET	POWDER	CHG WGT	ES	AVG VELOCITY
Barnes 210 X	V24N41	203 grs	28 fps	3935 fps
Barnes 210 X	V20N29	210 grs	45 fps	4002 fps
Barnes 235X	V24N41	188 grs	14 fps	3658 fps
Barnes 235X	V20N29	198 grs	60 fps	3798 fps*
Barnes 250X	V20N29	192 grs	66 fps	3709 fps*
Sierra 250 BT	V24N41	192 grs	26 fps	3600 fps
Sierra 250 BT	V20N29	208 grs	64 fps	3802 fps
Sierra 300 BT	V24N41	185 grs	23 fps	3447 fps
Sierra 300 BT	V20N29	204 grs	2 fps	3584 fps*

\*Accuracy of \_ minute of angle or better

### 416 Kyser Thunderbolt

This is also a 3.300" case and is all the case capacity that can be safely used with this bore size. Like the .375, we could use a little less case capacity, but the cartridge is easy to load nonetheless and quite forgiving during load development. The .416 was not as accurate as the .375, but stayed just inside one minute with several bullet weights at the safe maximums. 450 Kyser Thunderbolt 3.300" case

This case capacity is very close to ideal for this bore size with these powders. With a variety of powders we can get within 100 fps and less of the full length case and burn considerably less powder doing it, and we can do this with high

#### CHRONOGRAPH DATA

416 KTB 3.300" Case  
Safe Maximums

K&P 16" twist 34" SS barrel  
LC 85  
Temp: 50 degrees F  
CCI 35

Case  
Primer

BULLET	POWDER	CHG WGT	ES	AVG VELOCITY
Barnes 300 X	V24N41	220 grs	3 fps	3764 fps*
	V20N29	230 grs	20 fps	3735 fps
	H5010	212 grs	50 fps	3610 fps
Barnes 325X	V24N41	215 grs	42 fps	3615 fps*
	V29N29	225 grs	47 fps	3592 fps*
	H5010	205 grs	66 fps	3378 fps
Barnes 350 X	V24N41	205 grs	19 fps	3437 fps*
	V20N29	215 grs	43 fps	3428 fps*
	H5010	198 grs	67 fps	3239 fps
Barnes 400 X	V24N41	200 grs	30 fps	3279 fps*
	V20N29	210 grs	40 fps	3309 fps

\*Accuracy of one minute of angle or better



loading densities. Like the short 50, it is very docile pressure-wise. Four safe maximums in two bullet weights happened to shoot at the one minute or better level.

### 450 Kyser Thunderbolt 3.910" Case

This represents the absolute maximum case capacity that can be used for any bore size below .50 cal. with the full length BMG case. I have included this for reference only. It is only usable with V20N29 and has little loading flexibility, but unlike the .375 and .416 on the full length improved case, you will be able to keep your head, so to speak. It is interesting to note the inefficiency of the big case compared to the 3.300" version.

In one loading, it takes 90 grains more powder to push the 300 grain bullet 168 fps faster than the 3.300" case. The whole concept would leave the good Mr. Ackley spinning in his grave. I would consider it a waste of time and money to chamber anything like it.

CHRONOGRAPH DATA  
450 KTB 3.300" Case  
Safe Maximums

K&P 16" twist 32" CM barrel  
LC 85  
Temp: 50 degrees F  
CCI 35

Case  
Primer

BULLET	POWDER	CHG WGT	ES	AVG VELOCITY
Barnes 300 X	V24N41	248 grs	35 fps	3804 fps
	H-5010	235 grs	49 fps	3590 fps
	T-5070	243 grs	89 fps	3710 fps*
	H-1000	225 grs	55 fps	3801 fps
	IMR 7828	215 grs	65 fps	3815 fps*
Barnes 400 X	V24N41	228 grs	40 fps	3442 fps*
	H-5010	222 grs	77 fps	3322 fps
	T-5070	232 grs	34 fps	3428 fps*
	V20N29	240 grs	33 fps	3447 fps
Barnes 500 X	V24N41	212 grs	19 fps	3075 fps
	V20N29	226 grs	17 fps	3130 fps

\*Accuracy of one minute of angle or better

CHRONOGRAPH DATA  
450 KTB 3.910" Case  
Safe Maximums

K&P 16" twist 32" CM barrel  
Temp: 52 degrees F  
35

Case-LC 85  
Primer-CCI

BULLET	POWDER	CHG WGT	ES	AVG VELOCITY
Barnes 300 X	V20N29	305 grs	10 fps	3983 fps
Barnes 400 X	V20N29	275 grs	85 fps	3535 fps
Barnes 500 X	V20N29	255 grs	25 fps	3203 fps

### 500 Kyser Thunderbolt

This again is a 3.300" case and makes very efficient use of available powder capacity. I find that these short cases are the perfect choice for field guns; they can use a variety of powders at high loading densities and are much more

efficient in barrel lengths of less than 30 inches than the standard BMG case. Other experimenters, such as Talbot, Fisher, Longson, and McMurdo, have their own versions and some are still being campaigned in benchrest matches today. If there is a drawback, it is forming cases. This, however, is not as difficult as it may seem, and if you have more mechanical ability than the average primate, you will find it surprisingly easy.

In the test barrel, no particular load stood out. Most loads clustered just outside a minute of angle. It is interesting to note that when I rechambered the test barrel to the less efficient full length improved version, the test barrel would rarely shoot outside one minute with the AMAX. Apparently theory isn't everything.

CHRONOGRAPH DATA  
500 KTB 3.300" Case  
Safe Maximums

K&P 14" twist 32" CM barrel  
LC 85  
Temp: 35 degrees F  
CCI 35

Case  
Primer

BULLET	POWDER	CHG WGT	ES	AVG VELOCITY
AMAX 750	V24N41	220 grs	17 fps	2753 fps
	H-5010	212 grs	27 fps	2656 fps
	T-5070	215 grs	22 fps	2606 fps
IMI 647	V24N41	235 grs	13 fps	2992 fps
	H-5010	225 grs	31 fps	2869 fps
	T-5070	230 grs	24 fps	2860 fps

### 50 Kyser Improved 3.910" Case

With this case, we get a one powder cartridge with limited loading flexibility. V20N29 is the only powder suitable at this time. However, the big case is quite easy to reload and no problems were encountered. It would be best in at least a 34" barrel length.

I fired the smallest .50 caliber group I have ever shot, a nice tidy .290" with the Hornady AMAX and 273 grains of V20N29. In typical .50 fashion, I could not repeat it, but that charge weight and the safe maximum would always hover at one minute of angle and rarely ever went outside 1", which for a field sporter is awfully good in my opinion.

CHRONOGRAPH DATA  
50 K Imp 3.910" Case  
Safe Maximums

K&P 14" twist 32" CM barrel  
LC 85  
Temp: 45 degrees F  
CCI 35

Case  
Primer

BULLET	POWDER	CHG WGT	ES	AVG VELOCITY
AMAX 750	V20N29	275 grs	81 fps	2933 fps*
IMI 647	V20N29	285 grs	22 fps	3148 fps

\*Accuracy of one minute of angle or better

Wildcatting the BMG case has been fun at times, aggravating often times, always expensive, and even dangerous on occasion. It has, however, been educational, as Skip Talbot would put it.

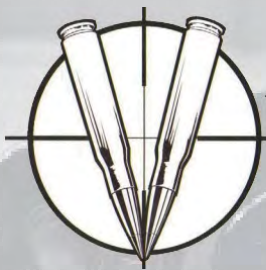
It seems the good old days of wildcatting are passing by. Today's virtual reality wildcaters are spitting out pages of would-be cartridges, ballistics, and even shooting theoretical groups from their laptops. Gone is the apprehension of pulling the trigger on your new creation knowing that there is the possibility you could get enough gas back in your face to burn the hair off a yak. I am deeply saddened.

In part II, we will go over making up the 700, BATF approval, and what it's like to pull the trigger on 21,000 plus foot pounds of muzzle energy from a 27-pound sporter.

The author and FCSA disclaim any liability for any damages that may result from the use of this information and/or loading data.



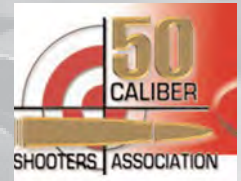
*Reno April 2000 - Skip Talbot using binoculars made from two spotting scopes.*



## Vigilance Rifles

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VigilanceRifles@gmail.com  
(928) 910 - 3623

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# Get out there and **SHOOT!**

4/18-20/2025

## **Palomino Valley Gun Club**

Reno, NV

Bruce Craik

norcalconstruction@yahoo.com

5/16-18/2025

## **Rattlesnake Mountain**

North of Benton City, WA

Dave Nicholson

253-973-9047

nicdj@comcast.ne

5/30/2025 - 6/1/2025

## **Whittington Center**

Raton, NM

Whittington Gun Club

Wayne Meagher

505-228-5231

wrmeagher@comcast.net

5/30/2025 - 6/1/2025

## **Coalinga Rifle Club**

Coalinga, CA

Dale Jeong

dj50bmg@aol.com

Cell (510) 604-8455

Work (510)569-0858 Tues-Sat

Bob Pohl

50bmgbob@gmail.com

(925) 783-9856 after 12Noon PST

6/13-15/2025

## **Alliance, Nebraska**

Alliance Rifle Club

Patrick Bieck

(402) 772-3871

bieckpatrick@yahoo.com

Randy Ofstad

(605) 381-4959

rofstad@rap.midco.net

Shirley Llst

(918) 374-2337

7/1-3/2025

## **FSCA ELR King of the 50 BMG match**

Raton, NM

Owen Hamilton

ohamilton727@gmail.com

Tuesday July 1st 1:00 Match Registration ELR

Fundamentals and Data Seminar at Eagles Nest

Tuesday July 1st Open 1000-yard range after Course is set up. Est 2:00

Wednesday July 2nd 7 AM Safety Meeting & Match Briefing.

Thursday July 3rd 7 AM Safety Meeting & Match Briefing.

1 cold bore shot and 2 ten shot relays each day from 1000 to 1990 yards.

So, you will need 42 rounds for the match.

The 50 Cal Only ELR firing line is from bench 90 to 100 on the 1000 yard line.

We will have benches available, and a blast tarp down for the prone shooters.

This is a fast paced sport so no 'bench rest' setups, any bag, bipod, and monopod is allowed.

Shooters are allowed 2 spotters. Spotters may spot for multiple shooters.

We will have four shooting positions (plus benches) to allow ample setup time while the 3 shooters ahead of you shoot.

We will have HD cameras on all targets for scoring.

It will take around 62 moa, or 18 mils, dial up from a 100 yard zero to hit 1990 yards.

7/3-6/2025

## **FCSA World Championships Raton, NM**

Thursday July 3rd

Target making/ Pit supplies organization- After ELR  
3pm (ish)

July 4th

Registration/ Sight in- 8am-3pm

600 yard- 3pm-5pm

4th of July Braai (BBQ) 5pm- Night Time (More detailed timeline to come)

July 5th

6am Targets up ( Working on team)

7:00-7:30 shooters meeting

Match at 8am Latest

Match ends 1pm (we hope)

Members meeting after shoot/ lunch (2pm - 3pm?)

July 6th

Same match times as July 5th for match

Everyone in the in Nest at 2pm for Reflection, Q&A, history lesson on FCSA, and Thank yous  
Awards at 2:30-3pm start time ( based on how quickly they can get everything done.

Awards over at 4pm (ish)

8/15-17/2025

## **Palomino Valley Gun Club**

Reno, NV

Bruce Craik

norcalconstruction@yahoo.com

8/22-24/2025

## **Alliance, Nebraska**

Alliance Rifle Club

Patrick Bieck

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Randy Ofstad

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Shirley List

(918) 374-2337

# **More details about all these shoots at 1MOA.org Look under the events tab.**

## **How to send your articles, pictures and match reports to VHP**

### **NEWS**

News articles should be sent as a .doc file, .txt file or as the body of an email message.

### **PICTURES, IMAGES & GRAPHICS**

Pictures, images and graphics must be .jpg file, .jpeg file or .tiff file. We cannot use a 72 DPI picture that is 2 inches across. The quality of the picture after printing simply will not be acceptable to you or us.

Regardless of what you use to take a picture, GET CLOSE. The No. 1 problem we have with submitted pictures is the people are far

too small in the picture compared to the size of the overall picture. The No. 2 problem we have with submitted pictures is the picture is too dark. Make sure the sun shines on the faces of the people you are taking the picture of.



Cutlines should be in the same email as the pictures. If possible, identify people in the picture.

### **EMAIL**

Send your stuff to VHPeditor@gmail.com . If you need a rapid response, email to Redneckgenius@gmail or call Ben at 229-445-0923.



# Get *SOCIAL!*

**W**ant to stay up to date on FCSA doings?



## Check out the forums

<https://fcsa.org/members/>

The forums have a members' only space and a visitors' space



## See us on Facebook

<https://www.facebook.com/groups/260504259920105>

Our Facebook page is run by Brian Wink. It is open to the public.



## We are on YouTube -

If you shoot video, please let Ben know. He'll walk you through the process of getting it uploaded to our YouTube page so all can see.

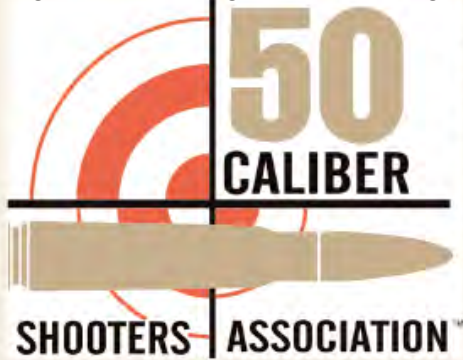
Call 229.445.0923 as it's easier to talk you through the process.

If you are going to a .50 shoot, take some pictures and shoot some video and share them as well.

## Meetings

We are trying to have monthly Board meetings. These will be done online. We will post a link in the Members Only forum section of the website once we know how and what time the meeting happens. All are welcome to attend the meeting. As these are board meetings to conduct FCSA business, non-board members will be allowed their say at the end of the meeting to save time.

Meantime, if you have something you need to say or something to bring to the Board's attention, please use the Members forum of the website or contact one of the board members directly.



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## THE FIFTY CALIBER SHOOTERS ASSOCIATION

[www.fcса.org](http://www.fcса.org)

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### MEMBERSHIP INFORMATION

Lifetime Member (U.S.): \$700 (65 and under); \$500 (over 65)  
(Foreign) \$900 (65 and under); \$700 (over 65)

Member: \$55 / 1 year  
\$100 / 2 years

Affiliate Member: \$55 per year

Associate Member: \$20 per year

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# SHREVEPORT Fall Match

First of all, I would like to apologize for the lateness of this match report. I agreed to do the match report, and then just put it off over the holidays and that slipped into spring. I apologize and would like to thank everyone who played a part in putting this match on.

The Fall Match in Shreveport was fairly well attended, considering the difficulty in getting components and general upheaval that we have had in the last few years. A couple of our people were unavailable due to other conflicts, but we had a fairly good turnout considering.

Jim Classen and Jim Kraemer traveled the farthest, and we appreciate y'all coming down for this match. I believe they came from Indiana and Illinois, and that's quite a haul.

We had we had 10 people shooting two gun and about 15 shooters overall. There was some really good shooting done.

Michael Whitesides had the smallest group of the match with a 3.938 group and a score of 50 with 4 Xs.

David Griffith had a 5.75 group with a 50 with 3 Xs and Don Herzberg had a 5.93850 with 4X. There were several other screamers shot, as you can see from the results.

David Griffith won the light group score and placing over a fierce competitor Craig Martin. David Griffith and Michael Whitesides split the heavy with David shooting a 292 in score and Michael Whitesides having a group aggregate of 8.625.

In unlimited score Don Herzberg won with score of 289 with 9 Xs and also won the unlimited group with a group of 10.917.

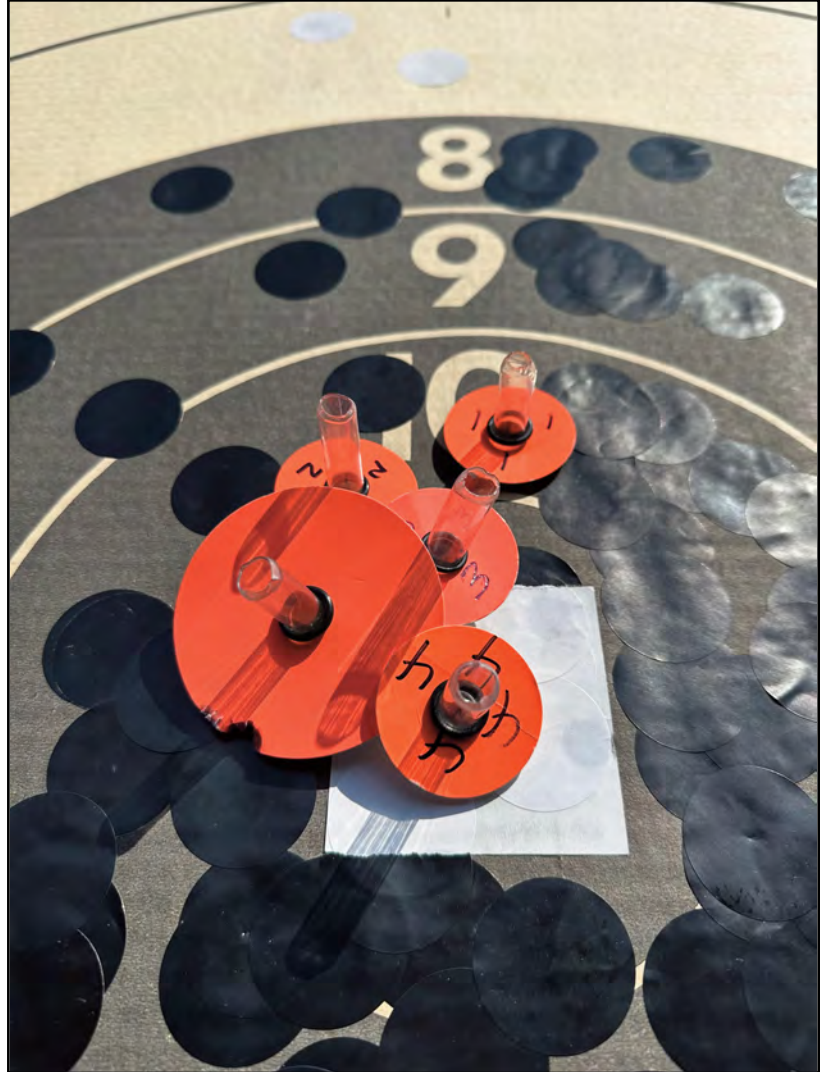
Ed George and Craig Martin split the Hunter score and group with Ed shooting a 279 for score and Craig having a 13.635 group.

In two gun, Beauty and Skill combined for the win. David Griffith took two gun, Don Herzberg was second with Michael Whitesides third.

Once again, this match was highlighted by the fun and camaraderie that we all have. We always eat well, and everybody pitches in and helps with this match.

I sincerely appreciate each and every one who came out and helped. Ed George, as usual had everything put together, from a match director standpoint which includes ordering the plaques and arranging for the range. Craig Martin was invaluable in doing the scoring for us, and we really appreciate your help with that Craig.

Don Herzberg is our club secretary and manages the finance and the registration, and we could not do any of this without him. Thanks to you gentlemen for your assistance.



In addition, our official photographer Roxanne made sure that we got plenty of pictures.

Also, a lot of thanks to everybody that helped call the line including Diane Martin, Craig's better half.

All in all, there was some really good shooting with some twitchy winds. The weather was nice, but the subtle wind shifts really caused havoc with some of the shooting. Shreveport can be a tricky place to shoot because a lot of times we have a switching tailwind which can push you from one side of the black to the other.

We really appreciate the aid and assistance that everybody gives us and look forward to the spring match. We cordially invite each and every one of you to come shoot our match as it is the usually one of the better attended matches and certainly the best fed match that you will attend.

Good luck and good shooting.

Respectfully submitted,

*David Griffith*











LIGHT SCORE PLACING			Place	LIGHT GROUP PLACING	
Competitor Name	Score	X's		Competitor Name	Group
David Griffith	292	11	1	David Griffith	10.354
Craig Martin	287	7	2	Craig Martin	12.583
			3		
			4		

HEAVY SCORE PLACING			Place	HEAVY GROUP PLACING	
Competitor Name	Score	X's		Competitor Name	Group
David Griffith	292	10	1	Michael Whitesides	8.625
Don Herzberg	290	10	2	Jim Classen	10.906
Michael Whitesides	289	11	3	Don Herzberg	11.302
Roxanne Meyers	277	6	4	David Griffith	12.063
Jim Classen	274	7	5	Roxanne Meyers	12.323
Jim Kraemer	259	2	6	Thomas Houchins	14.208
Randy Houchins	255	0	7	Jim Kraemer	16.781
Thomas Houchins	248	0	8	Randy Houchins	20.417
			9		
			10		

UNLIMITED SCORE PLACING			Place	UNLIMITED GROUP PLACING	
Competitor Name	Score	X's		Competitor Name	Group
Don Herzberg	289	9	1	Don Herzberg	10.917
Thomas Houchins	277	4	2	Michael Whitesides	11.458
William Sr Breda	274	4	3	Jim Classen	11.813
Edward George	270	10	4	William Sr Breda	13.573
Jim Classen	267	4	5	Stephen Liso	14.448
Stephen Liso	262	4	6	Roxanne Meyers	14.833
Jim Kraemer	260	2	7	Thomas Houchins	15.427
Michael Whitesides	259	3	8	Jim Kraemer	16.333
Roxanne Meyers	257	5	9	Randy Houchins	21.656
Randy Houchins	252	2	10	Edward George	21.885
			11		
			12		

HUNTER SCORE PLACING			Place	HUNTER GROUP PLACING	
Competitor Name	Score	X's		Competitor Name	Group
Edward George	279	10	1	Craig Martin	13.635
Aaron Breda	279	6	2	Aaron Breda	14.302
Craig Martin	279	5	3	Edward George	17.896
			4		

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2-GUN AGGREGATE SCORE PLACING				
Competitor Name	Classes	Aggregate	X's	Total Score
David Griffith	LIGHT & HVY	12.542	21	584
Don Herzberg	HVY & UNLIM	12.859	19	579
Michael Whitesides	HVY & UNLIM	14.375	14	548
Craig Martin	LIGHT & HUNTER	15.943	12	566
Jim Classen	HVY & UNLIM	16.276	11	541
Roxanne Meyers	HVY & UNLIM	19.078	11	534
Thomas Houchins	HVY & UNLIM	21.068	4	525
Jim Kraemer	HVY & UNLIM	23.307	4	519
Edward George	UNLIM & HUNTER	24.141	20	549
Randy Houchins	HVY & UNLIM	28.786	2	507

Place	SCREAMERS				
	Competitor Name	Class	Group	Score	X's
1	Michael Whitesides	HEAVY	3.938	50	4
2	David Griffith	LIGHT	5.875	50	3
3	Don Herzberg	HEAVY	5.938	50	4
4	Jim Classen	HEAVY	6.000	50	3
5	Edward George	UNLIM	6.125	48	3
6	William Sr Breda	UNLIM	6.250	47	0
7	Don Herzberg	UNLIM	6.313	50	3
8	Roxanne Meyers	HEAVY	6.563	49	1
9	David Griffith	HEAVY	6.938	50	1
10					
11					
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14					
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16					
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19					

# Washoe County Shooting Facility

By Dale Jeong

Reno, NV 8/16 - 18/ 2024

Bruce Craik did a fantastic job reshaping the berms in the impact area along with clearing the parking area for the shooters. He used all his own heavy equipment which he had transported from the Bay Area to the range. That improvement was the first in my memory since at least the early 90's. It was a badly needed job that had to be done.

Before when pulling the targets during active live fire you could hear 2-3 shots for every 10 - 15 ricocheting into the number board or never land. Now that the berm is steeper and dirt is softer, maybe only 1 or 2 out of 30 - 40 shots spin off. It's much safer now. Significant improvement! Kudos to Bruce!

Friday was clear, bright, and full of enthusiasm. Whether it was my first in Aug 1992 with the late Skip Talbot or just recently, the excitement and anticipation is the same. The .50 cal is a fun powerful cartridge that everyone has to shoot at least once. No Worries! The recoil is not as punishing as a 7mm Rem Mag with a 160 gr. bullet. It's more of just a push. Try it you might like it!

Like turning a new page, we had a great turnout with 12 shooters and a curious biker passerby, Kevin, Bruce Craik's friend. He had been shooting other calibers but wanted to try the 50 to mark one more thing off his bucket list and get some thrills with some trigger time. Another future 50 shooter? We hope so.

Sight-in days on Friday are the best for this. Also Geoff, Herb's son, came to join us. I also want to thank Billy, Dennis' friend, for helping organize and pull targets during our live fire sessions. He may even want to shoot 50's someday?! Let's hope so.

Our range safety officer Bob Hoppe was calling the line. He's very dedicated and experienced.

We all got on target and later shared dinner at Moreno's Mexican Restaurant in Sparks on Pyramid Way. Nice portions and tasty food. Thanks to Randy and Paula Dierks for helping us consume and also to him for sharing his shooting acumen on "everything" shooting. A match would not be a match without their presence.

We had a few shooters who had not attended the last couple years, but they joined us today. That's what matters the most. Dennis McIntyre, Jim Hegarty, and Lynn Dragoman are

more than welcome back. Lynn joined us last April 2024. The more the merrier!

Saturday, shooters were off and running with Lynn Dragoman and Chris Ken each getting their screamers in the first relay while the rest of us just looked on. A very slight breeze gave us excellent shooting conditions.

Keep an eye on Chris, as he's on task and on point showing us all how to do it. He's very disciplined in everything he does. By the 3rd or 4th relays winds picked up and some of us had to use "Kentucky windage" and hold off the target frame just to make a decent shot.

Jim Hegarty managed his best with Dale's front rest which was more than an inch too wide for his beavertail forend. We'll try to remedy that next time. Bruce Clarke's chamber, headspace, or ammo challenged him; and Dennis' vertical scope adjustment knob went on vacation. Many thanks to Herb for lending your rifle to Dennis.

This great shooting day was followed by a nice barbecue at Bruce's Mile High Ranch, about 10 minutes away off Pyramid Way. Mile High is now our dedicated clubhouse. Chef Chris Ken did the honors.

Sunday mirrored Saturday with Bob Hoppe again organizing and calling the line. In the second relay Bob Pohl posted a screamer while Chris shows he's up to the task again with a screamer in the 3rd relay. Ken Eng always does well when shooting hunter. Watch out when he shoots! Probably the only reason he doesn't shoot more classes is that he doesn't have room for more trophies!

One of Brett's guns likes to be shot more than the other. With shooters like Bruce Craik, Dave Nicholson ( driving down from Wash.), Chris Ken, and Brett, you can never let your guard down.

If I've forgotten anyone to give thanks to, it wasn't intentional. Thank You Thank You. As usual Dale Jeong has to thank his gunsmith Randy Dierks, and bulletsmith the late Tom Accatino. I wouldn't know what to do without them.

We did a brief awards meeting at Mile High. Some of us shooters had to get on the road ASAP due to Sunday afternoon traffic, therefore our group photo was not as inclusive.

We ended timely, flush with another match of good friendship, memories, camaraderie, and a laundry list of "What can I do to improve?" That's who we are and makes us return year after year! Happy Shooting ALL!



**Single Gun Results -- Best Guns****August 17-18, 2024**

Rank	Competitor	Class	Group	Score	Combo
1	Chris Ken	Heavy	9.802	291 - 8x	11.302
2	Dale Jeong	Unlimited	10.594	291 - 11x	12.094
3	Bruce Craik	Heavy	9.948	284 - 11x	12.615
4	Dave Nicholson	Unlimited	12.917	284 - 11x	15.583
5	Ken Eng	Hunter	11.542	265 - 6x	17.375
6	Brett Berger	Light	14.406	266 - 5x	20.073
7	Bob Pohl	Unlimited	16.156	275 - 7x	20.323
8	Jim Hegarty	Heavy	18.313	271 - 2x	23.146
9	Iynn Dragoman	Heavy	22.323	248 - 4x	30.990
10	Dennis McIntyre	Unlimited	20.896	224 - 1x	33.563
11	Herb Morghen	Unlimited	34.875	211 - 4x	49.708
12	Bruce Clarke	Heavy	53.656	149 - 0x	78.823

**Two-Gun Results**

Rank	Competitor	Combo	Classes
1	Dale Jeong	12.792	H & U
2	Bruce Craik	14.042	L & H
3	Chris Ken	15.307	H & U
4	Dave Nicholson	16.990	H & U
5	Bob Pohl	23.323	U & P
6	Brett Berger	25.427	L & P
7	Jim Hegarty	31.703	L & H
8	Dennis McIntyre	34.130	H & U
9	Iynn Dragoman	44.224	H & U
10	Herb Morghen	53.458	H & U
11	Bruce Clarke	84.510	H & U

L    Light  
 H    Heavy  
 U    Unlimited  
 P    Hunter

**Match Results - Light Class****Light Class**

Rank	Competitor	Group
1	Bruce Craik	11.802
2	Brett Berger	14.406
3	Jim Hegarty	28.260

**August 17-18, 2024****Light Class**

Rank	Competitor	Score
1	Bruce Craik	278 - 2x
2	Brett Berger	266 - 5x
3	Jim Hegarty	228 - 2x

**Match Results - Heavy Class****Heavy Class**

Rank	Competitor	Group
1	Chris Ken	9.802
2	Bruce Craik	9.948
3	Dale Jeong	11.323
4	Dave Nicholson	13.729
5	Jim Hegarty	18.313
6	Iynn Dragoman	22.323
7	Dennis McIntyre	25.198
8	Herb Morghen	40.875
9	Bruce Clarke	53.656

**August 17-18, 2024****Heavy Class**

Rank	Competitor	Score
1	Chris Ken	291 - 8x
2	Dale Jeong	287 - 8x
3	Bruce Craik	284 - 11x
4	Dave Nicholson	272 - 4x
5	Jim Hegarty	271 - 2x
6	Iynn Dragoman	248 - 4x
7	Dennis McIntyre	243 - 3x
8	Herb Morghen	202 - 0x
9	Bruce Clarke	149 - 0x

Match Results - Unlimited Class  
Unlimited Class

Rank	Competitor	Group
1	Dale Jeong	10.594
2	Dave Nicholson	12.917
3	Chris Ken	15.979
4	Bob Pohl	16.156
5	Dennis McIntyre	20.896
6	Herb Morghen	34.875
7	lynn Dragoman	38.958
8	Bruce Clarke	55.031

Hunter Class

Rank	Competitor	Group
1	Ken Eng	11.542
2	Bob Pohl	18.990
3	Brett Berger	22.948

August 17-18, 2024  
Unlimited Class

Rank	Competitor	Score
1	Dale Jeong	291 - 11x
2	Dave Nicholson	284 - 11x
3	Chris Ken	280 - 6x
4	Bob Pohl	275 - 7x
5	Dennis McIntyre	224 - 1x
6	Herb Morghen	211 - 4x
7	lynn Dragoman	189 - 0x
8	Bruce Clarke	89 - 0x

Hunter Class

Rank	Competitor	Score
1	Ken Eng	265 - 6x
2	Bob Pohl	256 - 5x
3	Brett Berger	253 - 2x

# .50 BMG in the news

## Italy allows civilians to own a .50

In September 2024, Italy allowed civilians to own a .50 BMG rifle.

As reported in Firearms News, “The rifle in question is the Corvo (“Crow”), a bolt-action long-range rifle manufactured in Italy by Victrix Armaments, one of Europe’s best and finest manufacturers of long-range interdiction and precision shooting rifles for civilian, law enforcement, and military applications.”

This decision was made by the National Proofing House, the organization in Italy that oversees guns and decides which ones are allowed and which are prohibited.

Read the story here - <https://www.firearmsnews.com/editorial/italy-legalizes-50-bmg/509848>

## Border Bust

In early November, Customs seized 5 AK 47s, and 2 .50 BMGs from an American crossing at the Area Port of San Luis. The report says mags for both were also found hidden in the SUV.

The port is in California on the US-Mexico border.

The Tuscon Sentinel reports the man admitted to attempting to smuggle the guns across the border. The paper says the guns were destined for Puerto Penasco in Sonora and Culiacan in Sinaloa.

The newspaper also reports both .50s were the M82 Barrett.

## SHOT Show

Some new .50 BMG stuff showed up at SHOT Show this year. We are working on getting information about them and, where possible, reviewing them.

If you picked up some of the new items and have used them, VHP would like to hear your reactions. You can write the story or call Editor Ben Baker and he can interview you.

## AK-50

GunTuber Brandon Herrera has completed a .50 BMG based on the iconic Ak47 platform. With a few tweaks and upsizing the components to fit the larger cartridge, the gun is pretty much an AK.

VHP has tried and continued to try to reach Mr. Herrera for an interview about the gun.



## Individual Target Rankings

August 17-18, 2024

Rank	Competitor	Class	Group	Score	Day	MOA
1	Chris Ken	Heavy	6.063	49 - 2x	Sat	0.579
2	Bob Pohl	Hunter	6.125	48 - 2x	Sun	0.585
3	Iynn Dragoman	Heavy	6.125	48 - 1x	Sat	0.585
4	Chris Ken	Heavy	6.938	50 - 3x	Sun	0.663
5	Dale Jeong	Heavy	7.188	47 - 1x	Sat	0.686
6	Dave Nicholson	Unlimited	7.25	50 - 3x	Sun	0.692
7	Bob Pohl	Hunter	7.375	40 - 0x	Sat	0.704
8	Ken Eng	Hunter	7.5	50 - 3x	Sun	0.716
9	Ken Eng	Hunter	7.5	48 - 0x	Sun	0.716
10	Dale Jeong	Unlimited	7.75	50 - 2x	Sat	0.740
11	Bruce Craik	Heavy	8.125	49 - 3x	Sat	0.776
12	Dale Jeong	Heavy	8.188	50 - 2x	Sun	0.782
13	Chris Ken	Heavy	8.188	46 - 1x	Sat	0.782
14	Bruce Craik	Heavy	8.25	46 - 1x	Sat	0.788
15	Bruce Craik	Heavy	8.313	50 - 3x	Sun	0.794
16	Jim Hegarty	Light	8.313	45 - 0x	Sun	0.794
17	Dale Jeong	Heavy	8.438	49 - 3x	Sat	0.806
18	Bruce Craik	Light	8.438	49 - 1x	Sun	0.806
19	Bruce Craik	Heavy	8.75	49 - 3x	Sun	0.836
20	Dale Jeong	Unlimited	8.813	48 - 2x	Sun	0.842
21	Bruce Craik	Light	9.25	46 - 1x	Sun	0.883
22	Bruce Craik	Light	9.25	46 - 0x	Sat	0.883
23	Brett Berger	Light	9.438	49 - 1x	Sun	0.901
24	Dale Jeong	Unlimited	9.813	48 - 1x	Sat	0.937
25	Brett Berger	Light	10.188	49 - 2x	Sun	0.973
26	Dave Nicholson	Heavy	10.313	48 - 1x	Sat	0.985
27	Chris Ken	Heavy	10.375	50 - 0x	Sat	0.991
28	Chris Ken	Unlimited	10.5	49 - 2x	Sun	1.003
29	Dave Nicholson	Heavy	10.688	39 - 0x	Sun	1.021
30	Chris Ken	Unlimited	10.75	48 - 1x	Sun	1.027
31	Bob Pohl	Hunter	10.875	47 - 1x	Sun	1.038
32	Ken Eng	Hunter	11	48 - 1x	Sun	1.050
33	Bob Pohl	Hunter	11	45 - 1x	Sun	1.050
34	Bruce Craik	Heavy	11.125	49 - 1x	Sat	1.062
35	Dave Nicholson	Unlimited	11.125	46 - 1x	Sat	1.062
36	Dennis McIntyre	Unlimited	11.188	48 - 1x	Sun	1.068
37	Bob Pohl	Unlimited	11.5	43 - 0x	Sun	1.098
38	Brett Berger	Hunter	11.625	46 - 1x	Sun	1.110
39	Dave Nicholson	Unlimited	11.688	47 - 1x	Sat	1.116
40	Chris Ken	Heavy	11.938	49 - 1x	Sun	1.140
41	Dale Jeong	Unlimited	12	48 - 1x	Sun	1.146
42	Dale Jeong	Unlimited	12.125	49 - 3x	Sun	1.158
43	Dave Nicholson	Heavy	12.5	48 - 2x	Sat	1.194
44	Dale Jeong	Heavy	12.563	49 - 1x	Sat	1.200
45	Bruce Craik	Light	12.563	45 - 0x	Sun	1.200
46	Iynn Dragoman	Heavy	12.625	48 - 2x	Sat	1.206
47	Iynn Dragoman	Unlimited	12.75	43 - 0x	Sat	1.218
48	Jim Hegarty	Heavy	13	47 - 1x	Sat	1.241
49	Dale Jeong	Unlimited	13.063	48 - 2x	Sat	1.247
50	Iynn Dragoman	Heavy	13.125	49 - 1x	Sat	1.253
51	Ken Eng	Hunter	13.438	36 - 0x	Sat	1.283
52	Dennis McIntyre	Unlimited	13.5	36 - 0x	Sat	1.289

53	Brett Berger	Light	13.625	48 - 0x	Sat	1.301
54	Bob Pohl	Unlimited	13.875	47 - 1x	Sat	1.325
55	Ken Eng	Hunter	13.875	40 - 1x	Sat	1.325
56	Dave Nicholson	Unlimited	13.938	49 - 2x	Sun	1.331
57	Brett Berger	Light	13.938	47 - 1x	Sun	1.331
58	Dave Nicholson	Heavy	14.125	46 - 0x	Sat	1.349
59	Bob Pohl	Unlimited	14.875	48 - 2x	Sat	1.420
60	Chris Ken	Unlimited	14.875	47 - 1x	Sat	1.420
61	Dave Nicholson	Heavy	15.063	46 - 0x	Sun	1.438
62	Bruce Craik	Heavy	15.125	41 - 0x	Sun	1.444
63	Bob Pohl	Unlimited	15.25	47 - 1x	Sun	1.456
64	Chris Ken	Heavy	15.313	47 - 1x	Sun	1.462
65	Jim Hegarty	Light	15.313	43 - 1x	Sun	1.462
66	Bruce Craik	Light	15.563	47 - 0x	Sat	1.486
67	Dale Jeong	Heavy	15.563	46 - 1x	Sun	1.486
68	Dennis McIntyre	Heavy	15.563	43 - 1x	Sun	1.486
69	Bruce Craik	Light	15.75	45 - 0x	Sat	1.504
70	Dave Nicholson	Unlimited	15.813	47 - 1x	Sun	1.510
71	Brett Berger	Hunter	15.813	46 - 0x	Sun	1.510
72	Ken Eng	Hunter	15.938	43 - 1x	Sat	1.522
73	Dale Jeong	Heavy	16	46 - 0x	Sun	1.528
74	Jim Hegarty	Heavy	16.125	47 - 0x	Sun	1.540
75	Bob Pohl	Hunter	16.125	42 - 0x	Sat	1.540
76	Jim Hegarty	Heavy	16.25	46 - 0x	Sat	1.552
77	Jim Hegarty	Light	16.375	46 - 0x	Sun	1.564
78	Brett Berger	Light	16.875	30 - 0x	Sat	1.611
79	Chris Ken	Unlimited	17.063	48 - 2x	Sat	1.629
80	Bruce Clarke	Unlimited	17.563	33 - 0x	Sat	1.677
81	Dave Nicholson	Unlimited	17.688	45 - 3x	Sat	1.689
82	Lynn Dragoman	Heavy	17.75	37 - 0x	Sun	1.695
83	Jim Hegarty	Heavy	17.875	45 - 0x	Sun	1.707
84	Herb Morghen	Unlimited	18.125	43 - 2x	Sun	1.731
85	Herb Morghen	Heavy	18.5	37 - 0x	Sun	1.767
86	Brett Berger	Hunter	19.5	47 - 1x	Sun	1.862
87	Dave Nicholson	Heavy	19.688	45 - 1x	Sun	1.880
88	Dennis McIntyre	Unlimited	19.75	40 - 0x	Sun	1.886
89	Dennis McIntyre	Heavy	19.813	42 - 0x	Sat	1.892
90	Lynn Dragoman	Heavy	19.813	34 - 0x	Sun	1.892
91	Herb Morghen	Unlimited	19.875	33 - 0x	Sun	1.898
92	Herb Morghen	Heavy	20.313	42 - 0x	Sun	1.940
93	Bob Pohl	Unlimited	20.688	46 - 1x	Sun	1.976
94	Bob Pohl	Unlimited	20.75	44 - 2x	Sat	1.981
95	Jim Hegarty	Heavy	21	43 - 0x	Sat	2.005
96	Chris Ken	Unlimited	21.25	45 - 0x	Sun	2.029
97	Chris Ken	Unlimited	21.438	43 - 0x	Sat	2.047
98	Lynn Dragoman	Unlimited	21.625	46 - 0x	Sat	2.065
99	Brett Berger	Light	22.375	43 - 1x	Sat	2.137
100	Bruce Clarke	Heavy	22.563	36 - 0x	Sat	2.155
101	Dennis McIntyre	Unlimited	22.688	29 - 0x	Sat	2.167
102	Herb Morghen	Unlimited	22.875	40 - 0x	Sat	2.184
103	Dennis McIntyre	Heavy	23.938	39 - 0x	Sat	2.286
104	Dennis McIntyre	Heavy	24	43 - 0x	Sun	2.292
105	Bruce Clarke	Unlimited	24.625	33 - 0x	Sat	2.352
106	Brett Berger	Hunter	25.438	40 - 0x	Sat	2.429



107	Herb Morghen	Heavy	25.563	38 - 0x	Sat	2.441
108	Jim Hegarty	Heavy	25.625	43 - 1x	Sun	2.447
109	Dennis McIntyre	Unlimited	25.875	43 - 0x	Sun	2.471
110	Jim Hegarty	Light	26	37 - 1x	Sat	2.483
111	Iynn Dragoman	Unlimited	27.438	36 - 0x	Sat	2.620
112	Iynn Dragoman	Unlimited	27.938	33 - 0x	Sun	2.668
113	Bruce Clarke	Heavy	29.25	38 - 0x	Sat	2.793
114	Herb Morghen	Unlimited	29.875	35 - 1x	Sat	2.853
115	Dennis McIntyre	Heavy	31.5	37 - 1x	Sat	3.008
116	Jim Hegarty	Light	31.563	34 - 0x	Sat	3.014
117	Brett Berger	Hunter	32.125	35 - 0x	Sat	3.068
118	Dennis McIntyre	Unlimited	32.375	28 - 0x	Sat	3.092
119	Brett Berger	Hunter	33.188	39 - 0x	Sat	3.169
120	Dennis McIntyre	Heavy	36.375	39 - 1x	Sun	3.474
121	Herb Morghen	Heavy	39.25	32 - 0x	Sat	3.748
122	Herb Morghen	Unlimited	46.5	35 - 0x	Sun	4.440
123	Bruce Clarke	Heavy	54.125	29 - 0x	Sat	5.169
124	Bob Pohl	Hunter	62.438	34 - 1x	Sat	5.962
125	Iynn Dragoman	Heavy	64.5	32 - 0x	Sun	6.159
126	Herb Morghen	Heavy	69.625	25 - 0x	Sat	6.649
127	Herb Morghen	Heavy	72	28 - 0x	Sun	6.875
128	Bruce Clarke	Heavy	72	27 - 0x	Sun	6.875
129	Herb Morghen	Unlimited	72	25 - 1x	Sat	6.875
130	Iynn Dragoman	Unlimited	72	24 - 0x	Sun	6.875
131	Bruce Clarke	Unlimited	72	23 - 0x	Sat	6.875
132	Jim Hegarty	Light	72	23 - 0x	Sat	6.875
133	Bruce Clarke	Heavy	72	19 - 0x	Sun	6.875
134	Iynn Dragoman	Unlimited	72	7 - 0x	Sun	6.875
135	Bruce Clarke	Heavy	72	0 - 0x	Sun	6.875
136	Bruce Clarke	Unlimited	72	0 - 0x	Sun	6.875
137	Bruce Clarke	Unlimited	72	0 - 0x	Sun	6.875
138	Bruce Clarke	Unlimited	72	0 - 0x	Sun	6.875

## Match Results -- Relay 1

Saturday, August 17, 2024

Bnch	Competitor	Class	First Target		Second Target		Third Target		Aggregate	
			Group	Score	Group	Score	Group	Score	Group	Score
10	Bruce Craik	Light	15.563	47 - 0x	9.250	46 - 0x	15.750	45 - 0x	13.521	138 - 0x
12	Dale Jeong	Heavy	8.438	49 - 3x	12.563	49 - 1x	7.188	47 - 1x	9.396	145 - 5x
14	Bruce Clarke	Heavy	29.250	38 - 0x	54.125	29 - 0x	22.563	36 - 0x	35.313	103 - 0x
16	Herb Morghen	Heavy	39.250	32 - 0x	25.563	38 - 0x	69.625	25 - 0x	44.813	95 - 0x
18	(--)									
20	Chris Ken	Heavy	10.375	50 - 0x	8.188	46 - 1x	6.063	49 - 2x	8.208	145 - 3x
22	(--)									
24	Iynn Dragoman	Heavy	6.125	48 - 1x	12.625	48 - 2x	13.125	49 - 1x	10.625	145 - 4x

## Match Results -- Relay 2

Saturday, August 17, 2024

Bnch	Competitor	Class	First Target		Second Target		Third Target		Aggregate	
			Group	Score	Group	Score	Group	Score	Group	Score
10	Bruce Craik	Heavy	8.250	46 - 1x	8.125	49 - 3x	11.125	49 - 1x	9.167	144 - 5x
12	Dale Jeong	Unlimited	7.750	50 - 2x	9.813	48 - 1x	13.063	48 - 2x	10.208	146 - 5x
14	Bruce Clarke	Unlimited	24.625	33 - 0x	17.563	33 - 0x	72.000	23 - 0x	38.063	89 - 0x
16	Herb Morghen	Unlimited	72.000	25 - 1x	29.875	35 - 1x	22.875	40 - 0x	41.583	100 - 2x
18	(--)									
20	Chris Ken	Unlimited	21.438	43 - 0x	14.875	47 - 1x	17.063	48 - 2x	17.792	138 - 3x
22	(--)									
24	Iynn Dragoman	Unlimited	12.750	43 - 0x	21.625	46 - 0x	27.438	36 - 0x	20.604	125 - 0x

## Match Results -- Relay 3

Saturday, August 17, 2024

Bnch	Competitor	Class	First Target		Second Target		Third Target		Aggregate	
			Group	Score	Group	Score	Group	Score	Group	Score
10	Ken Eng	Hunter	15.938	43 - 1x	13.875	40 - 1x	13.438	36 - 0x	14.417	119 - 2x
12	Jim Hegarty	Light	31.563	34 - 0x	72.000	23 - 0x	26.000	37 - 1x	43.188	94 - 1x
14	Bob Pohl	Unlimited	20.750	44 - 2x	14.875	48 - 2x	13.875	47 - 1x	16.500	139 - 5x
16	Dennis McIntyre	Heavy	31.500	37 - 1x	19.813	42 - 0x	23.938	39 - 0x	25.083	118 - 1x
18	Brett Berger	Light	22.375	43 - 1x	13.625	48 - 0x	16.875	30 - 0x	17.625	121 - 1x
20	(--)									
22	Dave Nicholson	Heavy	14.125	46 - 0x	10.313	48 - 1x	12.500	48 - 2x	12.313	142 - 3x

## Match Results -- Relay 4

Saturday, August 17, 2024

Bnch	Competitor	Class	First Target		Second Target		Third Target		Aggregate	
			Group	Score	Group	Score	Group	Score	Group	Score
10	(--)									
12	Jim Hegarty	Heavy	13.000	47 - 1x	16.250	46 - 0x	21.000	43 - 0x	16.750	136 - 1x
14	Bob Pohl	Hunter	62.438	34 - 1x	16.125	42 - 0x	7.375	40 - 0x	28.646	116 - 1x
16	Dennis McIntyre	Unlimited	13.500	36 - 0x	32.375	28 - 0x	22.688	29 - 0x	22.854	93 - 0x
18	Brett Berger	Hunter	33.188	39 - 0x	32.125	35 - 0x	25.438	40 - 0x	30.250	114 - 0x
20	(--)									
22	Dave Nicholson	Unlimited	17.688	45 - 3x	11.688	47 - 1x	11.125	46 - 1x	13.500	138 - 5x

Match Results -- Heavy Class  
Heavy ClassSaturday, August 17, 2024  
Heavy Class

Rank	Competitor	Group
1	Chris Ken	8.208
2	Bruce Craik	9.167
3	Dale Jeong	9.396
4	Iynn Dragoman	10.625
5	Dave Nicholson	12.313
6	Jim Hegarty	16.750
7	Dennis McIntyre	25.083
8	Bruce Clarke	35.313
9	Herb Morghen	44.813

Rank	Competitor	Score
1	Dale Jeong	145 - 5x
2	Iynn Dragoman	145 - 4x
3	Chris Ken	145 - 3x
4	Bruce Craik	144 - 5x
5	Dave Nicholson	142 - 3x
6	Jim Hegarty	136 - 1x
7	Dennis McIntyre	118 - 1x
8	Bruce Clarke	103 - 0x
9	Herb Morghen	95 - 0x

Match Results -- Unlimited Class  
Unlimited Class

Rank	Competitor	Group
1	Dale Jeong	10.208
2	Dave Nicholson	13.500
3	Bob Pohl	16.500
4	Chris Ken	17.792
5	Iynn Dragoman	20.604
6	Dennis McIntyre	22.854
7	Bruce Clarke	38.063
8	Herb Morghen	41.583

Saturday, August 17, 2024  
Unlimited Class

Rank	Competitor	Score
1	Dale Jeong	146 - 5x
2	Bob Pohl	139 - 5x
3	Dave Nicholson	138 - 5x
4	Chris Ken	138 - 3x
5	Iynn Dragoman	125 - 0x
6	Herb Morghen	100 - 2x
7	Dennis McIntyre	93 - 0x
8	Bruce Clarke	89 - 0x

Match Results -- Hunter Class  
Hunter Class

Rank	Competitor	Group
1	Ken Eng	14.417
2	Bob Pohl	28.646
3	Brett Berger	30.250

Saturday, August 17, 2024  
Hunter Class

Rank	Competitor	Score
1	Ken Eng	119 - 2x
2	Bob Pohl	116 - 1x
3	Brett Berger	114 - 0x



## Individual Target Rankings

Rank	Competitor	Class	Group	Score
1	Chris Ken	Heavy	6.063	49 - 2x
2	lynn Dragoman	Heavy	6.125	48 - 1x
3	Dale Jeong	Heavy	7.188	47 - 1x
4	Bob Pohl	Hunter	7.375	40 - 0x
5	Dale Jeong	Unlimited	7.750	50 - 2x
6	Bruce Craik	Heavy	8.125	49 - 3x
7	Chris Ken	Heavy	8.188	46 - 1x
8	Bruce Craik	Heavy	8.250	46 - 1x
9	Dale Jeong	Heavy	8.438	49 - 3x
10	Bruce Craik	Light	9.250	46 - 0x
11	Dale Jeong	Unlimited	9.813	48 - 1x
12	Dave Nicholson	Heavy	10.313	48 - 1x
13	Chris Ken	Heavy	10.375	50 - 0x
14	Bruce Craik	Heavy	11.125	49 - 1x
15	Dave Nicholson	Unlimited	11.125	46 - 1x
16	Dave Nicholson	Unlimited	11.688	47 - 1x
17	Dave Nicholson	Heavy	12.500	48 - 2x
18	Dale Jeong	Heavy	12.563	49 - 1x
19	lynn Dragoman	Heavy	12.625	48 - 2x
20	lynn Dragoman	Unlimited	12.750	43 - 0x
21	Jim Hegarty	Heavy	13.000	47 - 1x
22	Dale Jeong	Unlimited	13.063	48 - 2x
23	lynn Dragoman	Heavy	13.125	49 - 1x
24	Ken Eng	Hunter	13.438	36 - 0x
25	Dennis McIntyre	Unlimited	13.500	36 - 0x
26	Brett Berger	Light	13.625	48 - 0x
27	Bob Pohl	Unlimited	13.875	47 - 1x
28	Ken Eng	Hunter	13.875	40 - 1x
29	Dave Nicholson	Heavy	14.125	46 - 0x
30	Bob Pohl	Unlimited	14.875	48 - 2x
31	Chris Ken	Unlimited	14.875	47 - 1x
32	Bruce Craik	Light	15.563	47 - 0x
33	Bruce Craik	Light	15.750	45 - 0x
34	Ken Eng	Hunter	15.938	43 - 1x
35	Bob Pohl	Hunter	16.125	42 - 0x
36	Jim Hegarty	Heavy	16.250	46 - 0x
37	Brett Berger	Light	16.875	30 - 0x
38	Chris Ken	Unlimited	17.063	48 - 2x
39	Bruce Clarke	Unlimited	17.563	33 - 0x
40	Dave Nicholson	Unlimited	17.688	45 - 3x
41	Dennis McIntyre	Heavy	19.813	42 - 0x
42	Bob Pohl	Unlimited	20.750	44 - 2x
43	Jim Hegarty	Heavy	21.000	43 - 0x
44	Chris Ken	Unlimited	21.438	43 - 0x
45	lynn Dragoman	Unlimited	21.625	46 - 0x
46	Brett Berger	Light	22.375	43 - 1x
47	Bruce Clarke	Heavy	22.563	36 - 0x
48	Dennis McIntyre	Unlimited	22.688	29 - 0x
49	Herb Morghen	Unlimited	22.875	40 - 0x
50	Dennis McIntyre	Heavy	23.938	39 - 0x
51	Bruce Clarke	Unlimited	24.625	33 - 0x
52	Brett Berger	Hunter	25.438	40 - 0x
53	Herb Morghen	Heavy	25.563	38 - 0x
54	Jim Hegarty	Light	26.000	37 - 1x
55	lynn Dragoman	Unlimited	27.438	36 - 0x
56	Bruce Clarke	Heavy	29.250	38 - 0x
57	Herb Morghen	Unlimited	29.875	35 - 1x
58	Dennis McIntyre	Heavy	31.500	37 - 1x
59	Jim Hegarty	Light	31.563	34 - 0x

60	Brett Berger	Hunter	32.125	35 - 0x
61	Dennis McIntyre	Unlimited	32.375	28 - 0x
62	Brett Berger	Hunter	33.188	39 - 0x
63	Herb Morghen	Heavy	39.250	32 - 0x
64	Bruce Clarke	Heavy	54.125	29 - 0x
65	Bob Pohl	Hunter	62.438	34 - 1x
66	Herb Morghen	Heavy	69.625	25 - 0x
67	Herb Morghen	Unlimited	72.000	25 - 1x
68	Bruce Clarke	Unlimited	72.000	23 - 0x
69	Jim Hegarty	Light	72.000	23 - 0x

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Bnch	Competitor	Class	First Target		Second Target		Third Target		Aggregate	
			Group	Score	Group	Score	Group	Score	Group	Score
10	Ken Eng	Hunter	7.500	50 - 3x	11.000	48 - 1x	7.500	48 - 0x	8.667	146 - 4x
12	Jim Hegarty	Light	15.313	43 - 1x	16.375	46 - 0x	8.313	45 - 0x	13.333	134 - 1x
14	Bob Pohl	Unlimited	11.500	43 - 0x	15.250	47 - 1x	20.688	46 - 1x	15.813	136 - 2x
16	Dennis McIntyre	Heavy	15.563	43 - 1x	24.000	43 - 0x	36.375	39 - 1x	25.313	125 - 2x
18	Brett Berger	Light	9.438	49 - 1x	13.938	47 - 1x	10.188	49 - 2x	11.188	145 - 4x
20	(--)									
22	Dave Nicholson	Heavy	10.688	39 - 0x	15.063	46 - 0x	19.688	45 - 1x	15.146	130 - 1x

## Match Results -- Relay 2

Sunday, August 18, 2024

Bnch	Competitor	Class	First Target		Second Target		Third Target		Aggregate	
			Group	Score	Group	Score	Group	Score	Group	Score
10	(--)									
12	Jim Hegarty	Heavy	16.125	47 - 0x	17.875	45 - 0x	25.625	43 - 1x	19.875	135 - 1x
14	Bob Pohl	Hunter	6.125	48 - 2x	10.875	47 - 1x	11.000	45 - 1x	9.333	140 - 4x
16	Dennis McIntyre	Unlimited	11.188	48 - 1x	25.875	43 - 0x	19.750	40 - 0x	18.938	131 - 1x
18	Brett Berger	Hunter	11.625	46 - 1x	19.500	47 - 1x	15.813	46 - 0x	15.646	139 - 2x
20	(--)									
22	Dave Nicholson	Unlimited	13.938	49 - 2x	15.813	47 - 1x	7.250	50 - 3x	12.333	146 - 6x

## Match Results -- Relay 3

Sunday, August 18, 2024

Bnch	Competitor	Class	First Target		Second Target		Third Target		Aggregate	
			Group	Score	Group	Score	Group	Score	Group	Score
10	Bruce Craik	Light	8.438	49 - 1x	12.563	45 - 0x	9.250	46 - 1x	10.083	140 - 2x
12	Dale Jeong	Heavy	8.188	50 - 2x	15.563	46 - 1x	16.000	46 - 0x	13.250	142 - 3x
14	Bruce Clarke	Heavy	72.000	27 - 0x	72.000	19 - 0x	72.000	0 - 0x	72.000	46 - 0x
16	Herb Morghen	Heavy	72.000	28 - 0x	20.313	42 - 0x	18.500	37 - 0x	36.938	107 - 0x
18	(--)									
20	Chris Ken	Heavy	11.938	49 - 1x	6.938	50 - 3x	15.313	47 - 1x	11.396	146 - 5x
22	(--)									
24	lynn Dragoman	Heavy	17.750	37 - 0x	19.813	34 - 0x	64.500	32 - 0x	34.021	103 - 0x

## Match Results -- Relay 4

Sunday, August 18, 2024

Bnch	Competitor	Class	First Target		Second Target		Third Target		Aggregate	
			Group	Score	Group	Score	Group	Score	Group	Score
10	Bruce Craik	Heavy	8.313	50 - 3x	15.125	41 - 0x	8.750	49 - 3x	10.729	140 - 6x
12	Dale Jeong	Unlimited	8.813	48 - 2x	12.000	48 - 1x	12.125	49 - 3x	10.979	145 - 6x
14	Bruce Clarke	Unlimited	72.000	0 - 0x	72.000	0 - 0x	72.000	0 - 0x	72.000	0 - 0x
16	Herb Morghen	Unlimited	18.125	43 - 2x	19.875	33 - 0x	46.500	35 - 0x	28.167	111 - 2x
18	(--)									
20	Chris Ken	Unlimited	10.750	48 - 1x	21.250	45 - 0x	10.500	49 - 2x	14.167	142 - 3x
22	(--)									
24	lynn Dragoman	Unlimited	27.938	33 - 0x	72.000	24 - 0x	72.000	7 - 0x	57.313	64 - 0x

## Match Results -- Light Class

## Light Class

Rank	Competitor	Group
1	Bruce Craik	10.083
2	Brett Berger	11.188
3	Jim Hegarty	13.333

Sunday, August 18, 2024

## Light Class

Rank	Competitor	Score
1	Brett Berger	145 - 4x
2	Bruce Craik	140 - 2x
3	Jim Hegarty	134 - 1x

## Match Results -- Heavy Class

## Heavy Class

Rank	Competitor	Group
1	Bruce Craik	10.729
2	Chris Ken	11.396
3	Dale Jeong	13.250
4	Dave Nicholson	15.146
5	Jim Hegarty	19.875
6	Dennis McIntyre	25.313
7	lynn Dragoman	34.021
8	Herb Morghen	36.938
9	Bruce Clarke	72.000

Sunday, August 18, 2024

## Heavy Class

Rank	Competitor	Score
1	Chris Ken	146 - 5x
2	Dale Jeong	142 - 3x
3	Bruce Craik	140 - 6x
4	Jim Hegarty	135 - 1x
5	Dave Nicholson	130 - 1x
6	Dennis McIntyre	125 - 2x
7	Herb Morghen	107 - 0x
8	lynn Dragoman	103 - 0x
9	Bruce Clarke	46 - 0x



# Individual Target Rankings

Rank	Competitor	Class	Group	Score
1	Bob Pohl	Hunter	6.125	48 - 2x
2	Chris Ken	Heavy	6.938	50 - 3x
3	Dave Nicholson	Unlimited	7.250	50 - 3x
4	Ken Eng	Hunter	7.500	50 - 3x
5	Ken Eng	Hunter	7.500	48 - 0x
6	Dale Jeong	Heavy	8.188	50 - 2x
7	Bruce Craik	Heavy	8.313	50 - 3x
8	Jim Hegarty	Light	8.313	45 - 0x
9	Bruce Craik	Light	8.438	49 - 1x
10	Bruce Craik	Heavy	8.750	49 - 3x
11	Dale Jeong	Unlimited	8.813	48 - 2x
12	Bruce Craik	Light	9.250	46 - 1x
13	Brett Berger	Light	9.438	49 - 1x
14	Brett Berger	Light	10.188	49 - 2x
15	Chris Ken	Unlimited	10.500	49 - 2x
16	Dave Nicholson	Heavy	10.688	39 - 0x
17	Chris Ken	Unlimited	10.750	48 - 1x
18	Bob Pohl	Hunter	10.875	47 - 1x
19	Ken Eng	Hunter	11.000	48 - 1x
20	Bob Pohl	Hunter	11.000	45 - 1x
21	Dennis McIntyre	Unlimited	11.188	48 - 1x
22	Bob Pohl	Unlimited	11.500	43 - 0x
23	Brett Berger	Hunter	11.625	46 - 1x
24	Chris Ken	Heavy	11.938	49 - 1x
25	Dale Jeong	Unlimited	12.000	48 - 1x
26	Dale Jeong	Unlimited	12.125	49 - 3x
27	Bruce Craik	Light	12.563	45 - 0x
28	Dave Nicholson	Unlimited	13.938	49 - 2x
29	Brett Berger	Light	13.938	47 - 1x
30	Dave Nicholson	Heavy	15.063	46 - 0x
31	Bruce Craik	Heavy	15.125	41 - 0x
32	Bob Pohl	Unlimited	15.250	47 - 1x
33	Chris Ken	Heavy	15.313	47 - 1x
34	Jim Hegarty	Light	15.313	43 - 1x
35	Dale Jeong	Heavy	15.563	46 - 1x
36	Dennis McIntyre	Heavy	15.563	43 - 1x
37	Dave Nicholson	Unlimited	15.813	47 - 1x
38	Brett Berger	Hunter	15.813	46 - 0x
39	Dale Jeong	Heavy	16.000	46 - 0x
40	Jim Hegarty	Heavy	16.125	47 - 0x
41	Jim Hegarty	Light	16.375	46 - 0x
42	lynn Dragoman	Heavy	17.750	37 - 0x
43	Jim Hegarty	Heavy	17.875	45 - 0x
44	Herb Morghen	Unlimited	18.125	43 - 2x
45	Herb Morghen	Heavy	18.500	37 - 0x
46	Brett Berger	Hunter	19.500	47 - 1x
47	Dave Nicholson	Heavy	19.688	45 - 1x
48	Dennis McIntyre	Unlimited	19.750	40 - 0x
49	lynn Dragoman	Heavy	19.813	34 - 0x
50	Herb Morghen	Unlimited	19.875	33 - 0x

60	lynn Dragoman	Heavy	64.500	32 - 0x
61	Herb Morghen	Heavy	72.000	28 - 0x
62	Bruce Clarke	Heavy	72.000	27 - 0x
63	lynn Dragoman	Unlimited	72.000	24 - 0x
64	Bruce Clarke	Heavy	72.000	19 - 0x
65	lynn Dragoman	Unlimited	72.000	7 - 0x
66	Bruce Clarke	Heavy	72.000	0 - 0x
67	Bruce Clarke	Unlimited	72.000	0 - 0x
68	Bruce Clarke	Unlimited	72.000	0 - 0x
69	Bruce Clarke	Unlimited	72.000	0 - 0x

## Match Results -- Unlimited Class Unlimited Class

Rank	Competitor	Group
1	Dale Jeong	10.979
2	Dave Nicholson	12.333
3	Chris Ken	14.167
4	Bob Pohl	15.813
5	Dennis McIntyre	18.938
6	Herb Morghen	28.167
7	lynn Dragoman	57.313
8	Bruce Clarke	72.000

## Sunday, August 18, 2024 Unlimited Class

Rank	Competitor	Score
1	Dave Nicholson	146 - 6x
2	Dale Jeong	145 - 6x
3	Chris Ken	142 - 3x
4	Bob Pohl	136 - 2x
5	Dennis McIntyre	131 - 1x
6	Herb Morghen	111 - 2x
7	lynn Dragoman	64 - 0x
8	Bruce Clarke	0 - 0x

## Hunter Class

Rank	Competitor	Group
1	Ken Eng	8.667
2	Bob Pohl	9.333
3	Brett Berger	15.646

## Sunday, August 18, 2024 Hunter Class

Rank	Competitor	Score
1	Ken Eng	146 - 4x
2	Bob Pohl	140 - 4x
3	Brett Berger	139 - 2x



# LEAD BY DESIGN

Lighter, more accurate, and suppressor capable, the M107A1® isn't just a continuation of Barrett's legacy, but an expansion upon it. Every component has been meticulously re-imagined, with a four-pound weight reduction and the integration of the Barrett QDL suppressor, the M107A1 is a revolutionary leap forward.

[barrett.net](http://barrett.net)