

VERY High Power

2026 - 2

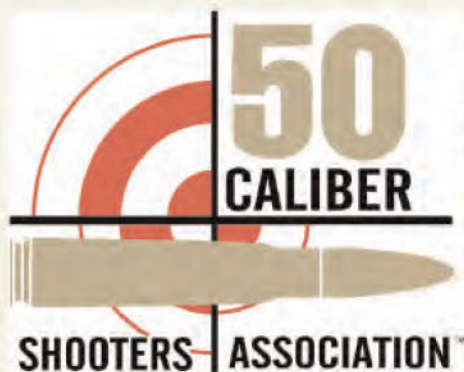
Dedicated to the Sporting Uses of the .50 BMG Cartridge

THE MAGAZINE OF THE FIFTY CALIBER SHOOTERS ASSOCIATION

"We're the Good Guys"

MARC CHRISTENSEN 2026 WORLD CHAMPION





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THE FIFTY CALIBER SHOOTERS ASSOCIATION

www.fcsa.org

FCSA OFFICERS AND DIRECTORS

President: Ed George president (712) 452-8584
edgeorge355@yahoo.com

Vice President: VP Archie Haymaker (580) 478-6207
archahaymaker@yahoo.com

Secretary/Treasurer: Roxanne Myers
(435) 527-9245
50calibershooters@gmail.com

Editor: Ben Baker: Phone: (229) 567-3655
Email: vhpeditor@gmail.com

Past President: Roy Thompson (505) 249-3889
deputydawg25@centurylink.net

Directors: Bruce Craik (415) 999-5350
norcalconstruction@yahoo.com
Mark Miller (307) 247-3722
markmillerwy@gmail.com
Owen Hamilton (713) 444-3667
ohamilton727@gmail.com
Wayne Meager (505) 228-5231
wrmeagher@comcast.net
Richard Biggio (607) 654-8450
Dave Nicholson (235) 973-9047
nicdj@comcast.com

Bill Breda (850) 603-7477
wbreda@att.net

Robert Pohl (925) 783-9856
50bmg@gmail.com

Foreign Affiliate Directors:

Kevin Williams, jktreerecycling@bigpond.com
Darren Bean - secretary@fcsa.co.uk

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you love.
Join the FCSA**

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MILITARY - R&D LIAISON - AMMUNITION INFORMATION

Keith Pagel: (937) 505-9206 (10 PM to 1 AM EST)

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WORDS from the PRESIDENT

Hello from Ed George

Hope everyone had a wonderful time and the 2026 FCSA World Championship. Never a dull moment and lots to learn and experience. The ELR match was a great event, and you should come and “Ring” the steel on the mountainside. Great shooting by everyone during the match with the changing conditions both days. If the winds during sight-in were the same as the winds during shooting your record group, then you got to enjoy your sighter shots. Saturday, the winds in the morning only to lay down for the relay 3-4 folks. Sunday is always a toss for what the weather is and does do. Watching the wind flags and mirage is just part of the event and learning. Hope the challenges lead you down the road to continue to experience and learn. The question of what is going on is always the opportunity to learn.

On to the congratulations of the FCSA 1000-Yard Worlds Match champion Marc Christenson with Craig Martin and Jeff Billotte right behind. Craig Martin, Marc Christenson and Jeff Billotte had the top three single-gun groups. Craig Martin took Iron Man this year. Craig Martin also joins a real special group with shooting a perfect 300 score. Dave Walls was the International competitor. Always wonderful to see him and his son. This is a great shooting group of folks. Friday, the 600-Yard practical had its good shooting folks. Jesse Curren; Bob “Miller” Dillard; Randy Powell; and Wayne Meagher took top place in their fields of competition. Junior Class had 3 young competitors 1st - Denial List ; 2nd - Garret Johnson; 3rd - Cooper Bullard. Had 3 Lady competitors 1st - Shirley List; 2nd - Marlene Hamilton; 3rd - Roxanne Myers. We had 29 Screamers shot mostly on Sunday. It makes you wonder about the winds during the match. Check out the score sheets and everyone keep working to get to the top.

I want to thank everyone who helps make the event what it is. Moving a chair, cleaning, setting up and putting away. It took a little from everyone to add up to something big. Owen Hamilton did another great job as Match Director and wonderful folks behind him helping. Give yourself a big hand of applause. Pit folks, Registration, FCSA Office the list goes on. I want to thank all the folks who take the time to put articles together for the making of the magazine.

Lot of work to be continued on following up on updates and changes to keep the club and sport moving forward. We had good meetings at the match and will continue to have email communications about upcoming improvements. Reach out to the board members and keep your comments coming in. One new thing on the horizon is the October match at the new SCSC range at White Oak Creek Shooting Range in Mount Pleasant TX.

When we get together, we always enjoy the folks we see and talk about and remember. There have been several SHOOTERS that have left the range. Make the memories and say hello to that new shooter on the line. We are all part of the past, present and future. Keep them on the paper. Thanks to ALL,

President FCSA

From the firing line....

Hello from the firing line. A great deal has happened since our last VHP publication, and I am excited to share some highlights from a truly memorable World Championship match. The event was a tremendous success, and that success belongs to the many people who stepped up, worked together, and gave their time, energy, and heart to make it possible. Please accept my sincere thanks for all you did.

Before our match began, Randy Powell hosted the King of the 50 BMG ELR match, where fourteen shooters stretched out to ring the steel and put their skills to the test. It was exciting to see that energy carry forward, as all those shooters stayed to participate in the FCSA World Championship match. We were honored to welcome them and grateful for the spirit they brought to the line. Congratulations to James Archer, winner of the ELR match.

This year's FCSA World Championship title went to Marc Christensen. Congratulations, Marc. Your dedication, discipline, and years of hard work have been evident to so many of us, and this well-deserved victory is something to be proud of. It is always inspiring to see commitment rewarded in such a meaningful way.

FCSA HQ

435-527-9245

1MOA.org

50calibershooters@gmail.com



From the home office, I am pleased to report that our club continues to hold steady financially as we continue navigating a season of change. Membership renewals are coming in at a slow but steady pace, and every renewal matters. To each member who continues to support the club, thank you. Your commitment helps preserve our future, strengthen our foundation, and keep these matches

alive for the next generation of shooters.

This year, I also had the pleasure of hosting our first annual swap/silent auction event at the World Championship match, and the response was outstanding. The enthusiasm around this new activity was wonderful. After all bids were settled the club made \$845.00. A heartfelt thank-you goes to Diane Martin and Jeanette Ofstad for their help finalizing the bids and making sure everything came together smoothly.

The World Championship match generated approximately \$7,000.00 in profit, give or take a few dollars, as Leah Calhoon continues processing T-shirt orders and a few more plaques are on order. That is a strong and encouraging result, and it reflects the dedication of everyone who helped, attended, competed, volunteered, and supported the event.

I was also encouraged by the positive energy and productive conversations at the board meeting. We are continuing to work through the changes members have asked to see, and we remain focused on preserving this club, strengthening our club, and ensuring that we can continue hosting matches well into the future.

Chevrons for the World Championship will be in your mailbox soon. As always, if you need anything, please reach out to me at the home office. Thank you again for your support, your energy, and your belief in this club. See you at the line soon.

Roxanne Myers

On the cover

FCSA President Ed George, World Tournament Director Owen Hamilton and 2026 World Champion Marc Christensen.

Photo Brett Berger

The editor's bench

When life gets in the way

I really hate that I missed Raton this year.

As I explained to a few folks, I bought another piece of property and it wiped out my savings, including what I had set back to go to Raton.

Yes, you may take that as an invitation to come hunt and fish on my place. Just gimme a few days notice.

For those who do not know, I turned down the salary for being the editor and have also turned down the FCSA paying my expenses to attend Raton. It just did not feel right to me to take that money when it could be used to better the FCSA.

ATF CHANGES

If you have followed the news recently, the president has ordered the ATF to make some serious changes to how it does business.

As a federal firearms license hold (2 of 'em), I tell you those of us on the gun selling side are jumping up and down with joy. Most responsible gun owners are also celebrating.

The suite of changes is good news. I just worry how long it will last. In politics and government, nothing is permanent.

Some of what the current administration is doing, a new administration can reverse in one day. Presidents often reverse decisions their predecessor made.

Yes, court decisions can hang around a while, but even they are not permanent. The legal term *stare decisis* is Latin for "this is settled and done." It is also fiction. Courts overturn previous decisions.

SUPRESSORS

One of the biggest is the elimination of the \$200 "tax" on suppressors.

If you want a can, buy one now. I am getting as many as I can (pun intended) afford.

BUT WAIT! There's more!

For reasons I cannot explain, the cost of cans has not come down. A can is not difficult to make. It is a tube with threaded end-caps. Cost? Literally a few bucks at a hardware store. The baffles? Again dirt cheap.

I have a kit I bought a while back and registered with the ATF to be a .45 ACP can. My cost for the kit? \$45, which included shipping. Yes, I paid the \$200 "tax" stamp. Yes, I have to drill & tap the ends and drill the baffles. Even if I have to go to a machine shop, still only a few dollars.

Yeah, the Browning 50 generates way more pressure



Ben Baker

than a .45 ACP. Aluminum tubes probably not gonna hold up. Even so, a steel stub is just not that expensive.

Enter Caylee's Cans. This lady in Washington is cranking up production of 100% titanium cans. Her price is expected to be under \$200 for .22 calibers.

Ramp that up for the 50 and you are still looking at under \$400.

So why are the 50 suppressor makers charging around \$1,000 for a can? You need to ask them. Maybe they have to clear out their old inventory that still has the \$200 tax built into the price.

Maybe they just charge that much because they can get away with it.

I plan to reach out to Caylee to see if she will make 50 cans and if so, can VHP test drive one of 'em.

Get yours soon.. They made be illegal in a few years.

MA DEUCE RED DOT

Inside this issue is a story about a red dot, actually a reflex scope, for the Ma Deuce.

First, this definitely reminds me of the red dot Roy Thompson mounted to his spotting scope.

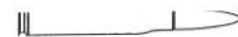
Secondly, this is a red dot. It has internal electronics. Not very complicated electronics, yes, but I do wonder. How well is this scope really going to hold up to the recoil of the Ma Deuce? Without some real-life combat testing, I am leery about this.

I point you to the Sig Sauer P320 as an example. As of mid-June 2026 when I wrote this, Sig's website stated, "The P320 CANNOT, under any circumstances, discharge without a trigger pull – that is a fact. The allegations against the P320 are nothing more than individuals seeking to profit or avoid personal responsibility."

The needed proof for this red dot is coming.

READING MIRAGE

by Gale McMillan



What are those squiggly little things I see running along the top of my target frame? What is mirage and how do I cope with it?

The problem of mirage haunts every shooter regardless of experience. Mirage is the culprit when you have a four shot group that looks like one bullet hole and the fifth shot shows up a half inch away. He's the same guy that directs the bullet to the 8 ring when all the rest are in the x ring. There are a lot of wrong ideas about mirage among the different shooting disciplines. Some shooters can ignore it completely; pistol shooters fall into this category. High Power competitors believe it's the wind that does all the damage and mirage is just an indication of which way the wind is blowing, at very long ranges it is a combination of both wind and mirage that affects accuracy. If all you are trying to do is hold 2 minutes of angle you don't need the information that follows. If, on the other hand, you want to shoot better than 1/2 MOA you need to learn to deal with mirage. I am not writing this to put anyone down, I am just reporting what I have learned from nearly a half a century of competition and what has worked for me. If you disagree with me so be it but I am too old to change my ideas and methods so I don't invite arguments.

First what is mirage? To answer that you need to take a glass full of water and put a spoon in it. Look at how the spoon handle appears to bend at the point it enters the water. This is an illusion caused by the difference in the index of refraction of air and water. The variation of air temperature between you and the target causes a change in the index of refraction of the air along your sight path. This bends the light causing the image of the target to be in a different place than the actual target. If you set your rifle in a solid rest, aim it at a target and sit and watch you will see the target appear to dance around under the crosshairs, obviously the target is not moving, it is the image that is moving. What you need to be able to do is determine by watching the mirage where the target is in relation to its image. It is essential that you be able to look at the running mirage and feel confident that you know exactly where the bullet will go when you touch it off. Imagine that you are on the last shot of the match and you have it won going away, time is running out, when conditions switch from lazy right to left mirage to a fast running left to right mirage at a forty five degree angle. You must have confidence in your judgment to hold where you know the target is in relation to the image you are watching and know that your last round will fall in the group. You can't think, "well I think it is over here two inches but I will play it safe and hold one inch". If you do that you are admitting defeat by accepting a one-inch group. You must fully accept the fact that the mirage is moving the image while the target is standing still and go for it.

It is a common fault of young shooters who don't have confidence in their judgment to think that they can wait out conditions and shoot in the same condition each time. It can't be done. It is impossible to remember all of the different variables (position of several wind flags, breeze on the back of your neck, mirage intensity and direction, density of clouds, etc.) for the 5 to 10 minutes it takes to complete a group.

What I hope to accomplish with this article is to tell you the method of training you can use to gain the confidence in your ability to look at a condition and know it is worth x amount and be totally confident that if you hold for the conditions your shot will go right in the group. No one can dope it right every time but it is the champions who get it right the most. Any one with a little practice can look down range and tell the difference in conditions that will cause an inch of difference in the point of impact. To be a champion you must be able to detect a change that will move the point of impact a half a bullet hole.

Step one is to zero your rifle in ideal conditions. That might mean getting up at five in the morning and getting to the range while it is cool and calm and get the rifle to print right beneath the cross hairs. If your scope has adjustable knobs set them at zero so you know where it is hitting under perfect conditions. The next thing you will need is a couple of wind flags. No they are not to tell how much the wind is blowing your bullet. They are to tell you what angle the mirage is running at. The angle the mirage is running has an effect on where it's moving the image. For example the mirage is running at what looks like right to left at a certain speed. You would assume that it is moving the image to the left, which it is, but it may be running at an angle of 40 degrees down range at the same time. Knowing this you can assume it will not be moving the image quite as far to the left as you first thought, also, because it is running away from you it is pushing the image lower. Your challenge is to determine how far to the left and how far up to hold. One old rule is never ever shoot in a boil. That's pretty sound advice but how do you tell a boil from mirage that is running straight away or towards you, the answer, practice. While boiling mirage and running mirage look similar they will cause distinctly different movement of the image, one is raising the image and the other is pushing it down. During this exercise try to pick as many different conditions as possible so that you can learn what each condition will do.

You have a rifle that we know is hitting right under the cross hairs in ideal conditions and hopefully it will shoot 1/2 moa or better. It's hard to learn much if you can't trust the rifle. You have a good pedestal, sandbag and, if possible, a



good spotting scope. A pair of wind flags set up at intervals down range. The afternoon is getting warm and your target frame looks like there are a bunch of mice feet running back and forth on top of it. You have brought a tablet and a pencil to take notes with. You write down the conditions as you see them and then mark where you think the bullet will hit on the target (in the beginning this is just a guess). Now it is time to test your judgment, you take a dead-on hold and fire one round. You look at the target and then at your tablet and see how far you were off and mark your actual impact point in relation to the sketch you drew. Repeat the process again, sketch the target, mark where you think you will hit, load one round, take a dead-on hold and see where you hit. Be sure that you describe the conditions in as much detail as you can. As an example: rt. to lt. at moderate rate wind flag indicates 30 degree down range. It will take a little time to record the conditions, your guess and the actual impact point but this is time well spent, it will give you a chance to study your practice session in the evening and reflect on what you have learned. At this point shooting groups is a waste of time and ammo. Remember not to change your scope from where it was in ideal conditions. You can follow this routine as long as you want or until you are hitting right where you marked every time.

Now you are at the range and are ready to take the next step. Continue to observe the conditions and make a note of them but instead of taking a dead-on hold from now on you are going to figure where the target really is and hold off of the target image so that you will impact in the x ring. Take a shot and see where you hit. Mark your tablet and repeat. If you are accurate in your reading of the mirage and description of it and you take good notes you will be able to study your notes when you're not at the range and pick up things you might have missed while you were shooting. To make it easier and quicker you can develop a shorthand way to record information, I draw the waves of mirage large and widely spaced for slow mirage and smaller and shorter as the mirage speed increases. The purpose of this exercise is to reinforce your confidence that the mirage is doing what you know it is. A word about practice, there is a point in practice when it stops accomplishing anything and all you are doing is going through the motions. At this point it is a waste of time and does more harm than good. It is much better to quit while you are fresh and sharp than keep it up until you are past prime.

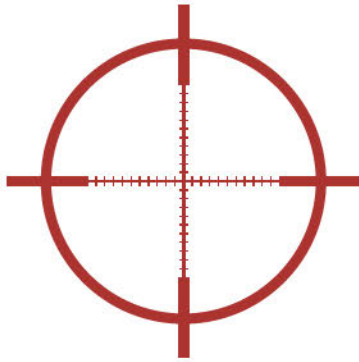
You have proceeded through steps one and two and by now you have a good idea where the target really is under most mirage conditions. It is a good idea to repeat both steps the first thing when getting to the range or when you shoot at a new range as it will reinforce your confidence and in the case of a strange range it will point out any peculiar traits of the range. The saying "hometown advantage" definitely applies to shooting, each range has its own subtle characteristics the homeboys have learned, a little time spent going back to the basics might reduce the "hometown advantage".

I will finish this off as though you were going to shoot benchrest competition because it covers shooting groups.

By now you are able to judge conditions and you know what is necessary to put the bullet where you want it to go. Now instead of shooting singles you are going to shoot groups. As you probably know in benchrest competition you have a record target and a sighter target. You are allowed unlimited shots on the sighter target and can go back and forth between the record target and sighter target. While you are waiting for the "commence firing" command put the time to good use and study the conditions for as long as you can to determine what the prevailing conditions are. After the commence fire command wait until the prevailing conditions are running before you start. Shoot your first record shot with a dead-on hold and note where the shot went in relation to the conditions (some rifles require one or more fouling shots before they settle down so it's a good idea to fire a couple of shots into the sighter target first). Remember that you have your bullets printing right under your crosshair so when you fire the first shot it becomes your target, the location of your group in a benchrest match is unimportant so it is not necessary to try to put your first shot in the x ring. Now all you are shooting is a four shot group (because you are shooting at your first shot) while every one else is shooting five. This gives you an advantage right off the start. You watch conditions and determine where the target is (notice I said where the target is, not the image.) If conditions are changing fast you won't have time to go back to your sighter to verify what you think so you will have to go on guts. If the changes are slow then always go back to the sighter when you see a change and verify how much it is worth.

You will notice that I didn't tell you how to read mirage. If I had you wouldn't remember it till you got to the range. I hope I have given you some idea of how to train so that you know how to read it and you will remember it. I can't impress on you the importance in believing that your eyes are lying to you and that the target isn't really where you are seeing it.

There is a small trick that I have used that I will share with you. Your rifle scope is focused at the target and has a very shallow depth of field. That means that you are only seeing the mirage for a few feet at the target. The mirage can be running the opposite direction up range and you will never know it. If you stop down the objective lens by covering it and leaving a small hole in the center you will increase the depth of field and be able to see mirage over a larger area of the range. You can do this by using tape and leaving a hole in the center about the size of a dime.



In The News

Lake City ammo going to Mexico

A report by the International Consortium of Investigative Journalists says half the .50 BMG ammo seized by the Mexican government comes from the Lake City plant.

“According to the records we have,” Defense Minister Gen. Ricardo Trevilla Trejo said during a presidential news conference, “137,000 cartridges have been seized since 2012. Of those, 47% come from that company and have been sold in gun shops in the southern United States,” referring to the Lake City plant.

The Lake City Plant is outside Kansas City. Brass from the plant is often stamped with an LC on the base.

Mexican law enforcement has also seized 215 .50 BMG rifles. The ICIJ report does not say where the guns came from.

Mexico’s President Claudia Sheinbaum also showed a misunderstanding of US law.

“In comments in early June, Sheinbaum said that she was reviewing the investigation by ICIJ and its partners and planned to ask the U.S. government, ‘how it is possible that these weapons, which are for the exclusive use of the United States military, are entering Mexico,’” ICIJ reported.

A red dot for the Ma Deuce



he MGRS is designed to withstand the jarring, rapid recoil produced by fixed and turret-mounted machine guns. It features a large, non-magnified objective lens with a 35-MOA segmented circle reticle. Centered within the reticle is a 3-MOA dot for precise aiming. (Photo Trijicon)

Not kidding. Trijicon has a red dot for the M2HB.

John Moses Browning fired the first .50 BMG full auto prototype in 1918. After some work refinements, a water cooled version came out in 1921. What we know as the Ma Deuce entered real production in 1933.

Little has changed since then.

Now, the Ma Deuce (turning enemies into jelly since your Grandfather’s days) has modern tech a red dot.

“The Trijicon MGRS® Reflex Sight is a non-magnified optic that mounts to the M2 and M240 machine guns. The Trijicon MGRS® is prime military technology intended to aid the machine gunner in rapid target acquisition and engagement with an illuminated, 35 MOA red circle that allows gunners to keep “both eyes open” from a natural shooting position. Accuracy is enhanced by use of the machine gun-specific interchange-



**PAY YOUR
TARGET
PULLERS.
Please**

**At least tip them.
It’s hot in the pits.**

Or, work out some kind of arrangement.
You pull the first series, they pull the second. Be fair about it.



U.S. Army Sgt. Eleanor Osgood, assigned to the 126th Theater Public Affairs Support Element, Michigan Army National Guard, uses the M155 mounted machine gun optic to zero the M2 Browning machine gun at Camp Grayling, Michigan, June 9. (Photo: Staff Sgt. Patrick Mayabb/U.S. Army National Guard)



Type classified as the M155 Mounted Machine Gun Optic, or MMO, the sight attaches to the M2A1 .50 cal with a BE Meyers BOARS Mount using M1913 Picatinny rails. (Photo: U.S. Army Capability Program Executive -

able Range Dials, and performance is assured with a strong 7075-T6 forged aluminum housing. This optic was designed for military applications,” the company says.

The Army contracted with Trijicon in 2021 to deliver a reflex sight for the Ma Deuce.

Guns.com describes it as, “basically ... like a huge RMR with a flip-in magnifier.”

“Compared with the original iron sights, the M155 MMO illuminates targets, especially when the environmental elements are not the best,” said Sgt. Eleanor Osgood, a mass communications specialist with the 126th TPASE. “The red-dot sight is very useful in ensuring the round hits the target.”

<https://www.trijicon.com/products/subcategory/trijicon-mgrs>

Specs?

Heavy. As you would expect. It is huge after all 35 MOA Red Segmented Circle with 3 MOA Red Dot

3X Magnifier and Integrated Mount

7075-T6 aircraft-aluminum alloy housing

Interchangeable Ranging Dial: Two interchangeable dials for the M2 (50 caliber) and M240 (.308/7.62) machine gun

Adjustable Brightness Settings: Seven total settings; two night vision, five day settings of which one setting is Super Bright. Red

Adjustment Ranges: Includes elevation and azimuth adjustment to 100 MOA Total Travel. 1 MOA adjustment values.

Interchangeable range knobs are calculated for the M2.

Compatible with various telescopic sights, night vision and thermal/

Integrated Mount: Equipped with a thumbscrew mount for attaching optic to MIL-STD-1913 rails

Works with 3x Magnifiers

Waterproof: To 2 meters (6.60') Dry-nitrogen filled to prevent fogging

Large Objective Lens: Ample 3 x 2 inch viewing area

Range Settings: M2 (50 cal): 300, 500, 600, 800, 1000, 1200, 1400, 1600, 1800, 2000 meters M240 (.308/7.62): 100, 300, 500, 600, 700, 800, 900, 1000, 1100, 1200 meter

Illuminated Reticle: Powered by a single CR123A lithium battery

Three Detachable Picatinny Rails: Integrated detachable rails allow for mounting of laser type sights to the top or side of optic.

Corrosion Resistant: All materials and coatings are corrosion and chemical resistant.

1 CR123A Battery, Lithium (non-rechargeable)

Waterproof to 6.6ft (2m)

Cost - Websites are running this scope at \$3,000 or so.

Drone 50s enter the war in Ukraine

Anyone who has followed the war in Russia and Ukraine probably knows drones have changed war.

Now, the .50 is part of the drone war world.

“A Danish defense company has unveiled a heavy combat drone equipped with twin .50-caliber rifles designed to engage armored vehicles and military equipment, marking what analysts say could be a first-of-its-kind airborne weapons platform, Defense Express reported on February 26,” reports United 24 Media.

The website <https://defence-ua.com> brought the news to the world. The website is Ukrainian. Unless you read that language, you will need it translated. Information here was translated by Google.

“During the defense exhibition Enforce Tac 2026, which is currently being held in Germany, the Danish company Hecto Drone showed for the first time its heavy hexocopter HD-606 armed with the suspension armament module DCR-50 (Drone Carried Rifle 50).

“This module has two .50BMG (12.7 mm) semi-automatic rifles at once. Each of the rifles has a magazine for 10 rounds, which gives a total ammunition of 20 shots, with a system rate of fire of 25 shots per minute. This is reported by the publication Army Recognition that attended the event.”

The low (comparatively) rate of fire is directly linked to the .50's recoil. It is a semi-auto.

Photos show a pair of stock-less .50s with a mag under each one. Each barrel has a muzzle brake.

The DCR-50 also comes in 12 gauge, 22 LR, 9mm, 5.56 and 338 Lapua. The smaller calibers are full auto.

Barrett releases 660-grain loads used for factory tests

Barrett has announced the expansion of its Precision Ammunition line with the introduction of .50 BMG Precision Ammunition, joining the existing .416 Barrett offering.

Engineered for extreme accuracy and long-range consistency, the new .50 BMG cartridge features a 660-grain MTAC projectile producing approximately 2,800 feet per second from a fixed 32-inch barrel. The load was specifically intended to optimize long range precision in Barrett's firearm platforms.

Used internally at Barrett for years to qualify precision requirements on all 50 BMG chambered rifles, this Precision load is a perfect example of ammunition specifically optimized for a specific rifle platform. Similar to how a handloader would adjust the characteristics of a specific ammunition load for a particular firearm, Barrett has completed the development and offers an ammunition product for customers wanting to maximize the performance of their Barrett.

Customers not shooting Barrett rifle systems will also realize superior shooting results considering the industry-leading engineering development, quality inspection, and ammunition production processes performed within Barrett's ammunition production line.

Manufactured within the same facility that Barrett firearms are built in, customers can be sure that both ammunition and rifle systems are relentlessly tested in pair with each other to confirm the maximum performance is met and maintained. Manufactured to the industry's tightest production tolerances, Barrett Precision Ammunition utilizes hand-selected match-grade projectiles, premium primers, climate-stable powders, and precision cases to ensure exceptional consistency and performance.

Intended for use in engaging extreme long-range targets, use of the solid copper, lathe-turned Cutting Edge Bullets 660gr MTAC projectile aids in providing a consistent ballistic coefficient intended in minimizing shot to shot dispersion. Superior industry production control allows for the production of ammunition with minimal projectile runout, seating length variation, and case mouth deformations.

Barrett's 50 BMG Precision ammunition offers as close to hand-loaded consistency as a consumer could purchase directly from the shelf. Designed to deliver optimized external ballistics, reduced drag, minimal wind drift, and extended supersonic range, Barrett Precision Ammunition offers unmatched terminal performance and energy

retention at extreme distances. Each load is performance-validated to provide repeatable precision across a wide range of environmental conditions, ensuring shooters can trust every shot when precision matters most.





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DAVID TUBB HAS LEFT THE RANGE

11/ 24/1954-07/02/2026

By James A. Schmidt II-Arizona Ammunition, LLC.

Legendary firearms shooter David Tubb has left the range. David was an incredible innovator in the firearms industry and was credited in every way with many many excellent creations for shooters all over the world. His love for the industry and extreme accuracy shooting is unsurpassed at any level. His personal shooting skills will remain in history as amazing, remarkable and at times unbelievable! Perhaps his shooting accomplishments will never ever be achieved again.

“David Tubb is arguably the best, and winningest, competitive rifleman in history. He has won (to date) a record eleven NRA National High Power Rifle Championship titles at Camp Perry, Ohio. That's four more than next best. In addition, David is an NRA Silhouette Rifle legend, having won nearly 30 open, individual National Championship titles in all four rifle categories. David has also won seven Sportsmen's Team Challenge Championships along with six NRA Long Range Rifle (600-1000 yd.) National Championships, including his latest win in 2011 during which he also won his second Wimbledon Cup.” Source-<https://www.davidthubb.com>

Creating **Superior Shooting Systems Inc.** in December of 1998, with the manufacturing and product innovation evolving from his long-standing career in competitive shooting. David has always been a leader in shooting innovations, always chasing extreme accuracy solutions, always a trend setter and never stopped thinking of ways to make shooting fun, satisfying and rewarding. David created the Tubb 2000 extreme accuracy rifle, then the most recent TUBB Adaptive Target Rifle, he developed the rifle performance enhancer *Final Finish* product, the TubbDust bullet coating, a excellent lightweight scope level, Tubb® DTAC Precision Loaded Ammunition, accuracy enhancement parts for triggers, custom bolts, custom loading dies, custom brass cases for his custom designed cartridges, Dynamic Targeting Reticle (DTR®) Scopes, custom chamber reamers, his many books and DVD's on extreme accuracy shooting, his many accuracy enhancing parts for many different rifles, custom muzzle brakes and so much more! David was amazing! His custom products are amazing too!

David Tubb was a nice guy, he was my good friend, he was confident, positive, informative author, shooting video star, and very well spoken. He shared information with shooters to help them better understand just what extreme accuracy is really about. He then repeatedly proved that his ideas, styles and information were correct by winning everything! He was a proven excellent shooting teacher and trainer. He trained anyone and everyone on extreme long-range shooting in his many, often one on one, shooting classes.

David traveled the world to help shooters, compete in world class competitions and to hunt. He was *Crowned the 2018 Extreme Long Range World Record Holder!!!!* On January 21st, 2018 Team Tubb participated in the Extreme Long Range Central World Record Event held in Nevada and won again! Shooting Sports USA stated that *“David Tubb is (arguably) the best competitive rifleman in history. For Tubb, above all else, he never takes "no" for an answer”.*

Born Nov. 21, 1954, G. David Tubb of Canadian, Tex., comes from a shooting family: his father, George Tubb was an eight-time member of the U.S. Palma Team; his mother, Pauline, was several times Women's National High Power Rifle Champion. What, one might ask, will David take up? Golf? Hardly. Source-Shooting Sports USA. He has been featured in nearly every shooting publication on the planet! He never hesitated to interact with shooters where ever he went.

David was my friend for nearly 30 years. We compared notes on shooting and we were in business together. I always found David to be a gracious man, a generous man, a polite man, a very honest and determined man. Perfection describes this amazing man. He was a family man that generously involved his family in his successful business(es) and in his many adventures around the world.

David's passing is a great loss to me and to the entire shooting world. It is very possible that no other extreme accuracy and long-range shooter will ever achieve what David did. But I know that David would be very proud of the shooter(s) that does. He would smile, shake their hand or give them a hug and then give them shooting advice with a smile. He would, perhaps and with a smile, discuss his many products that might help them to shoot better; always being the good businessman he was.

David, you belonged to all of us in the shooting world and we will all miss you greatly. You are a great loss to all of us. We will all think of you when we make a great shot and know that you David might out shoot us with our own firearm! Your great skill will be our inspiration when we are shooting.

I hope that all individual shooters, all shooting clubs, shooting ranges, shooting facilities and all shooting organization honor you as they should, each in their own way. You are due a **21-gun salute** by all shooters, organizations, ranges and clubs around the world. I will do a salute to you here at Arizona Ammunition with great emotion. Thank you for all that you contributed to the shooting world. Thank you for being my friend. You will be remembered by all of us. Remembered with a broad smile.

Goodbye my friend.

Our contact information is;

Email-ischmidt@azammo.com

Office telephone- 520-586-2582

Mailing Address- P.O. Box 304 Dragoon, AZ 85609

Sincerely,

James A. Schmidt II (Jim)
President



Jim & David in Raton, NM at the 2mile and 1,000 yd. ranges.



Jim & Nancy in 2019

A great time in Raton

I had a great time at the Fifty Caliber Shooters Association (FCSA) Championships this weekend at the NRA Whittington Center. One of the team Accuracy International Ltd shooters, Marc Christensen won the Top Gun Two Gun World Championship with his AW50 AI.

I was fortunate to win the 600 yard Open event with my AI AXSR in 300 PRC.

Accuracy International Team member James Blaine Archer won the 50 BMG ELR match with his spot-

ter Daniel Thomas, and they both took home trophies from the 1000 yard match.

Dave Walls once again took home the FCSA 1000 yard International Champion award.

It was an honor to hang out and shoot with our friends Dave Walls and his Son and partner Brett Walls.

Congratulations to all of the other winners at the match as well

Rady Powell, via Facebook

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UK FCSA member Chris Buckley on the line at Raton.

GET TO KNOW CHRIS BUCKLEY

When did you start shooting?

I started shooting with Air Rifles aged 5 or 6. Country boy...

When did you start shooting the .50 BMG?

2011/2012 was when I had my first .50

How did you find out about the .50 BMG?

Shooting with a UK Rifle Club who shared shoots with the FCSA (UK) at a Military Training Area in Wales. Heard one big boom and was hooked.

What is your setup?

Rifle make, barrel, scope, etc. Current Rifle is a RPA Rangemaster .50 running with a Steiner M5XI Scope. What advice do you have for someone about getting into this sport? Get yourself in contact with FCSA, go to shoots, talk and try (except UK where this would be breaking the law...don't ask...)

What is the biggest challenge you face with the .50 BMG?

My Skill and lack of recent gallery range facilities in the UK to practice on. FCSA (UK) have a cunning plan afoot which will transform UK .50 Shooting.

What is your best performance at a tournament?

2023 with the new gun...2nd place International Shooter and silly-proud to have been presented with a 0.6 MOA Screamer patch.

What do you tell people when they ask about the .50 BMG?

It's firmly a Target Rifle, and no, you can't sensibly shoot

rabbits with it. I transport the rifle from the UK to the USA for the World Championships. Plenty of UK Ranges to shoot on.

How much do you practice shooting with other guns at home?

I am very lucky to be able to shoot something most days.

How do you handle getting ammo for the .50 BMG?

We are blessed to know Randy Powell of Thunder Ammo and very lucky that he makes rounds for us. The 5kg ammo limit on airlines is a pain! We can purchase very good target ammo in the UK and reload too!

Do you shoot anywhere else?

Just the UK and USA at the moment. Looking at getting into longer range matches, so another rifle is in the planning.

What else do you shoot?

Anything and everything for this. Pistol, Underlever, Semi-auto Shotgun, Vintage Service Rifle, Civilian Service Rifle, Clays, Pest Control ... all sorts.

Could do an entire feature on misconceptions about UK Firearm Legislation!

Chris is an FCSA member from the UK. If you are willing to answer a few questions for a Get To Know feature in VHP, please send a message to Ben at VHPeditor@gmail.com or call 229-445-0923. We promise, it is mostly painless.

Pressure Indicators in a .50BMG

By Del Dimick

Caution: This discussion is intended specifically for the .50BMG. It does not apply to all rifle calibers because the allowable chamber pressures for other calibers may be different than for .50BMG. The MAXIMUM allowable chamber pressure for .50BMG is 55,000psi. Loads must be designed to operate BELOW this pressure.

Many shooters presume that the reason brass won't fit back into the chamber without full length resizing is that the pressure causes the chamber to expand which in turn permits the brass to expand. This is NOT correct. The real reason that brass won't fit back into the chamber is because of changes in the diameter of the unsupported length of the brass between the bolt face and the rear of the chamber. The chamber pressure pushes the base of the cartridge back against the bolt face. If the chamber pressure is too high, generally about 55,000 psi, the yield point of the brass material will be exceeded. The web material starts flowing radially outward away from the flash hole. The walls of the cartridge are held in place by the chamber walls and the outside diameter of the sidewalls does not change except where it is unsupported between the bolt face and the rear of the chamber.

A loose or enlarged primer pocket is an indication that the chamber pressure limit has been exceeded. Unfortunately, it is also one of the least sensitive indicators that are available. The most accurate method of measuring chamber pressure is to mount a strain gauge on the outside of the chamber. This is not practical in some barrel configurations especially the recoil operated semi auto rifles like the Barrett M82A1. It is easy to measure the diameter of the web (the base of the cartridge) before and after firing. Any measurable increase in web diameter is an excellent indicator that the chamber pressure is too high in a .50BMG. Although most inexpensive micrometers (less than \$20) are not capable of accurately measuring the ABSOLUTE diameter of the web to 0.0001 inches, they can easily indicate a CHANGE in diameter of the same magnitude. Measure and record the diameter of the web before and after firing. Be sure and use the same orientation of the case so that you find and use the maximum dimension. It is not unusual for a cartridge to be out of round by amounts that will give you erroneous indications if you don't measure the diameter at the same point each time.

Normally, the best accuracy is not obtained at maximum load but if for some reason, you want to know what the maximum load is for the combination of barrel, chamber, primer, temperature and projectile you have selected, start by increasing the load in increments of 2 grains. Measure the web diameter before and after firing and you will be amazed at how easy it will be to see the load at which the diameter will change. You should also check each cartridge to make sure that it will go back into the chamber without resizing. This is a good common sense approach just in case you miss the change with the micrometer. If you don't see the change in diameter before you reach the condition where the cartridge won't rechamber, then you are not using the micrometer correctly. Stop and get some help from a competent machinist or gunsmith.

Under normal conditions and with typical cartridge brass, any increase in web diameter after firing is an indication of excessive pressure even though it can still be rechambered without excessive force. This is because the web is sized slightly smaller than the chamber and the diameter of the web can grow slightly from excessive pressure and still fit back in the chamber. The diameter of the web will not and should not change unless excessive chamber pressure is present. This is also true for brass that has been full length sized.

Some shooters use a visual inspection of the primer as a means of estimating chamber pressure. Visual inspection is not practical for semi auto .50BMG guns (e.g. Barrett M82A1 and TNC M2HB) because they are designed with different tolerances than the bolt guns. These guns are designed with approximately .030 inch axial play in the bolt assembly when the bolt is fully closed. I suspect that this has something to do with military tolerances on chambers and ammo and the need to reliably cycle anything that comes down the production line. It is a design requirement rather than a deficiency. This axial play permits the bolt to "over travel" in a closed position. Sometimes the extractor spring will actually create a short

gap between the bolt face and the rear of the cartridge. As the internal pressure builds up after primer ignition, the cartridge is held in the chamber through contact with the chamber at the neck and shoulder. The primer is pushed back towards the bolt face and it may actually slide backwards within the primer pocket. As chamber pressure continues to increase, the case will start stretching as the yield point of the sidewall is exceeded about $\frac{1}{8}$ of an inch above the base of the cartridge. The primer is then "reseated" as the primer pocket slides down over the primer. The primer will have the appearance of very high pressure because it can be totally flattened by these movements. The dynamics of the cartridge under normal pressure make it impossible to reliably estimate chamber pressure through visual inspection of the primer.

A secondary effect of this axial play is that the cartridge is stretched approximately 0.030" each time it is fired after full-length sizing. Case separation will occur after only a few reload operations when full-length sizing is used. Measuring web diameter is still a valid method for determining excessive pressure under these conditions.

Another consideration when dealing with excessive pressure is that the web thickness decreases each time the diameter increases. The thickness decreases three times as fast as the diameter increases. The diameter of the primer pocket also increases each time the cartridge is subjected to an excessive pressure.

The yield point of cartridge brass is dependent on the amount of work hardening that it has been subjected to. Each time a case is stretched by excessive pressure and then brought back to a useable diameter by full length sizing, the yield point goes up and the chamber pressure required to expand the web will also be higher. This may give the reloader a false sense of safety margin.

Use common sense in developing loads for the .50BMG. Don't develop loads just to achieve maximum pressure. You are working with approximately the same amount of powder that is used in a hand grenade and it is only inches away from your face. Maximum pressure is not equivalent to maximum accuracy. The few feet per second of additional velocity is usually not worth the loss of accuracy and increased barrel wear.



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New cases promise higher velocities more performance

Shell Shock Technologies Announces .50 BMG NAS3™ Case

Third-party live-fire testing confirms substantial velocity gains; production is underway with expected availability in August 2026.

Eubank, Ky. (July 2026) – Shell Shock Technologies, LLC (SST), a leading innovator in the ammunition industry, today announced the completion of independent live-fire testing for its .50 BMG NAS3™ case, with results confirming significant velocity and performance advantages over standard brass at standard operating pressures.

The .50 BMG NAS3 case was developed to meet the demanding performance and logistics requirements of military and law enforcement end-users, as well as extreme long-range precision shooters. Production is currently underway, and SST expects the .50 BMG NAS3 case to be available for purchase on its website in August 2026.

Testing was conducted by Vairog US, LLC on March 31, 2026, using a 650-grain Ball projectile, WC860 propellant, and a CCI No.35 primer in a 28-inch barrel.

At a 265-grain powder charge and 66,770 PSI, the SST NAS3 case produced 3,111 feet per second. For reference, standard brass-cased M33 Ball ammunition typically produces approximately 2,910 FPS. Testing was conducted across nine charge weights

ranging from 245 to 285 grains, with zero primer or case failures recorded throughout.

The velocity advantage is a direct function of NAS3 case architecture. The SST .50 BMG case features approximately 13.5 percent greater internal capacity than standard brass, roughly 330 grains of case volume, versus ~290 grains, enabling a meaningfully higher powder charge at equivalent pressures.

The result is greater muzzle velocity and downrange energy without exceeding the cartridge's standard pressure envelope.

Weight reduction is equally significant. At approximately 33.7 grams, the SST .50 BMG NAS3 case is roughly 40 percent lighter than a comparable brass case (~54.85 grams).

Across 1,000 rounds, that translates to approximately 46 pounds of weight savings, a logistics and mobility benefit with direct operational relevance for military and law enforcement personnel managing load weight in the field.

This is also a meaningful advantage for long-range competition and precision shooting disciplines where every equipment decision matters.

The NAS3 case's nickel-stainless steel alloy construction also contributes to cleaner extractions, faster cooling versus brass, and corrosion resistance that supports reliable performance under sustained fire and adverse environmental conditions.



“The .50 BMG has defined long-range precision and overmatch capability for generations. What we’ve done with the NAS3 case is take that proven platform and fundamentally change what it’s capable of delivering. Independent testing confirms what our engineering told us: more velocity, less weight, same pressure envelope. For the military and law enforcement operators and long-range precision shooters who depend on this caliber, that’s not an incremental improvement. That’s a new baseline,” said Peter Foss, Managing Partner and CEO of Shell Shock Technologies.

The .50 BMG NAS3 case is engineered for professional end-users who require every performance advantage the platform can deliver, and for precision shooters pushing the limits of extreme long-range capability.

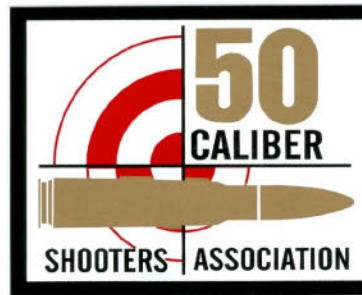
Keep up with Shell Tech’s advanced ammunition on the website and social media platforms: Facebook, Instagram, X (formerly Twitter), and YouTube.

About Shell Shock Technologies:

Shell Shock Technologies, LLC (SST), headquartered in Eubank, Kentucky, is a leading innovator in advanced ammunition case design and manufacturing. The company’s patented NAS3™ technology platform combines stainless steel and aerospace-grade aluminum to create lightweight, durable, and high-performance ammunition cases designed for demanding military and commercial applications.

For more information, please visit www.shellshocktechnologies.com or follow @shellshocktech on Instagram.

VHP has requested some of this brass for testing and evaluation. If we get it, we will have a review.



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PUBLISHER VHP

Fifty Caliber Shooters Association
PO Box 936 Whitehouse, TX 75791-9998
Phone: (435) 527-9245

EDITOR

Ben Baker
229-567-3655
vhpeditor@gmail.com

ADVERTISING

Roxanne Myers
(435) 527-9245
50calibershooters@gmail.com
Ben Baker

WEBSITE CHAIRMAN & FORUM

Brett Berger
(925) 229-3440
brett@bergers.com

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Get your shoot on

NEW RANGE COMING!

Don Herzberg and I (David Griffith) got a start on the new .50 range at White Oak Shooting range. We put in one frame, so that they will know where to build the new berm. We will be installing additional frames prior to our October match. This will be our first match run with electronic targets. Hopefully this will be our new venue for the South Central shooters club and FCAS matches for a long time.

This range wants 50 cal. shooters. This facility is a first class shotgun range now.

The range is in Mt. Pleasant, Texas.



Placing a marker for the work.

For a list of .50 friendly ranges, visit <https://1moa.org/where-to-shoot>

8/14-16/2026

Palomino Valley Gun Club

Reno, NV

Match Information

Palomino Valley Gun Club, NV

Bruce Craik

norcalconstruction@yahoo.com

cell # (415)999-5350

9/4-6/2026

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

9/25-27/2026

Rattlesnake Mountain

North of Benton City, WA

Dave Nicholson

253-973-9047

nicdj@comcast.net

10/9-11/2026

Whittington Center

Raton, NM

Whittington Gun Club

Wayne Meagher

505-228-5231

wrmeagher@comcast.net

Marc Christensen

marc@tenxaccuracy.com

10/9-11/2026

White Oak Creek Shooting Range

The match is in Mt. Pleasant, Texas. The range info can be found at <https://www.lonestarhroudoors.com/whiteoakcreekshootingrange>

We are in the process of ordering and installing facilities for electronic targets.

As this is a work in progress, more information will be provided one it is available.

Thank you for your patience.

We are always looking for places to hold shoots and tournaments.

If you have a .50 friendly range and want to host a sanctioned match or even a fun shoot, please contact the FCSA home office

Roxanne Myers

435 527 9245

50calibershooters@gmail.com



A few views of the White Oak Shooting range



2026 FCSA World Championship Report

2026 FCSA World Championship

Raton, New Mexico | July 3–5, 2026

NRA Whittington Center | Celebrating another year of excellence in .50 BMG long-range marksmanship

A massive **THANK YOU** to everyone who helped make the 2026 FCSA World Championship a resounding success. From setup to takedown, from the competition line to the shared meals and conversations, the event once again ran on energy, passion, and the tight-knit FCSA community spirit that makes this match special year after year.

Thursday – Sight-In & 600-Yard Warm-Up

As shooters arrived and tech inspections were completed, competitors used the early part of the weekend to sight in their rifles for the main event. The 600-yard match got the competition started with three classes: Practical, Semi-Auto, and Open. 600 Yard was shot on Friday.

Highlights from the 600-Yard Results

Practical Class

- 🏆 **Jesse Curren** – 132 (3 X's)
- 🥈 **Wayne Meagher** – 132 (3 X's)
- 🥉 **Bill Breda** – 128
- 4. Aaron Breda – 128
- 5. Temple Tallent – 125

Semi-Auto

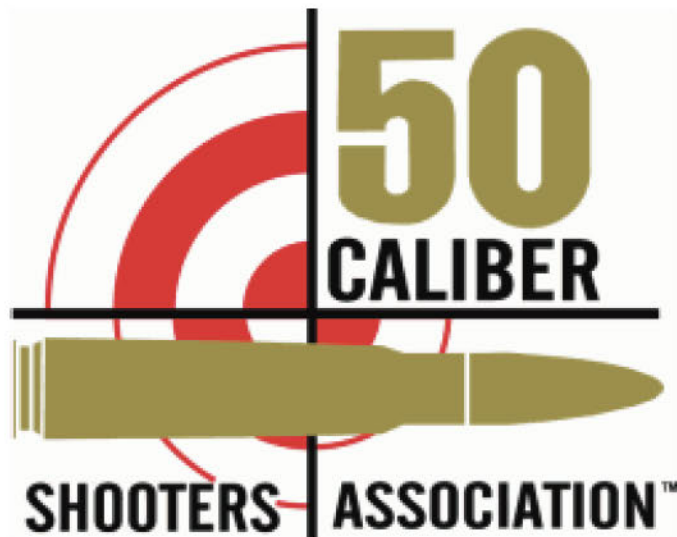
- 🏆 **Bob Miller** – 140 (1 X)
- 🥈 **Wayne Meagher** – 136 (2 X's)
- 🥉 **Temple Tallent** – 125 (1 X)
- 4. Mark Miller – 122

Open Class

- 🏆 **Randy Powell** – 144 (2 X's)
- 🥈 **Roxanne Myers** – 143 (4 X's)
- 🥉 **Bob Pohl** – 143 (0 X's)
- 4. Wayne Meagher – 140
- 5. Jay Dvorsky – 139

600-Yard 2-Gun Aggregate

- 🏆 **Wayne Meagher** – 268 (5 X's)
- 🥈 **Temple Tallent** – 250 (4 X's)
- 🥉 **Bob Miller** – 249 (1 X)
- 4. Mark Miller – 239 (2 X's)



The Main Event – Saturday & Sunday

Saturday opened with the traditional flag raising, Pledge of Allegiance, and prayer. Relays began under typical Raton conditions — challenging winds that tested every shooter's ability to read mirage and hold. The line ran efficiently thanks to dedicated volunteers.

Sunday provided opportunities for those who faced tougher conditions on Day One, and the match finished strong before the afternoon weather patterns common to the high plains.

Match Highlights – Division Winners

2-Gun Aggregate Overall

(Placement based on Combo = average group size + average points dropped per target)

- 🏆 **Marc Christenson** – Combo **10.755** (Heavy & Hunter)
576 total points | 14 X's | 8.755" avg group
- 🥈 **Craig Martin** – Combo **10.953** (Heavy & Unlimited)
583 total points | 26 X's | 9.536" avg group
- 🥉 **Jeff Billotte** – Combo **11.818** (Heavy & Unlimited)
572 total points | 17 X's | 9.484" avg group
- 4. Jay Dvorsky – 13.307 (Unlimited & Hunter)
- 5. Michael Whitesides – 13.505 (Heavy & Unlimited)

Marc Christenson took the overall match title with a strong 2-Gun Aggregate performance, shooting both his Heavy and Hunter rifles from the ground. A well-earned championship.

Top Gun Results (All Classes Combined)

(Best single-gun Combo scores)

- 🏆 **Craig Martin** – Unlimited – Combo **6.844** (300-16X, 6.844")
- 🥈 **Marc Christenson** – Heavy – Combo **8.938** (294-6X, 7.938")
- 🥉 **Jeff Billotte** – Heavy – Combo **9.958** (288-11X, 7.958")

Craig Martin put on a clinic in Unlimited, posting a perfect **300** with 16 X's and an outstanding 6.844" average group — the best single-gun performance of the entire match.

Other standout single-gun performances:

- Owen Hamilton (Light) – Combo 13.292 | 1st in Light Group with an outstanding 8.625" average
- Jay Dvorsky (Unlimited) – strong 4th overall Top Gun
- Michael Whitesides, Shirley List, and Marlene Hamilton all posted highly competitive Heavy class results

Class Champions

Class	Score Winner	Group Winner
Unlimited	Craig Martin – 300 (16 X's)	Craig Martin – 6.844"
Heavy	Marc Christenson – 294 (6 X's)	Marc Christenson – 7.938"
Light	Craig Martin – 283 (5 X's)	Owen Hamilton – 8.625"
Hunter	Jay Dvorsky – 288 (11 X's)	Marc Christenson – 9.573"

Special Awards

FCSA 2026 World Champion (2-Gun Aggregate)

🏆 **Marc Christenson**

Senior Champion

🏆 **Jeff Billotte** – Combo 9.958 (Heavy)

Iron Man

- 🏆 **Craig Martin** – Combo 13.299 | 1,153 total points | 38 X's
- 🥈 **Jay Dvorsky** – 21.010 | 1,064 pts | 22 X's
- 🥉 **Jeff Ryan** – 42.818 | 880 pts | 7 X's

Junior Score Placing

- 🏆 **Denial List** – Combo 18.781 | 260 pts | 5 X's | 12.115"
- 🥈 **Garret Johnson** – 19.542 | 267 pts | 5 X's | 14.042"
- 🥉 **Cooper Bullard** – 23.063 | 259 pts | 2 X's | 16.229"

International Competitor

🌐 **Dave Walls** – Heavy Class (Combo 26.656)

Top Women Competitors

- 🏆 **Shirley List** – Combo 14,021 (Heavy)
- 🏆 **Marlene Hamilton** – Combo 15,750 (Heavy)
- 🏆 **Roxanne Myers** – Combo 24,823 (Unlimited)

Screamer Groups – Under 7.000 Inches

Smallest Group of the Match

🏆 **Edward George** – 4.063" (0.388 MOA) – Unlimited – Sunday Relay 4

Other outstanding sub-7" groups included:

Place	Competitor	Group	Class	Notes
2	Craig Martin	4.188"	Unlimited	
3	Roy Thompson	4.313"	Heavy	Smallest Heavy
4	Jeff Billotte	4.375"	Heavy	
5	Marc Christenson	4.500"	Heavy	
6	Roxanne Myers	4.563"	Unlimited	
9	Marlene Hamilton	5.250"	Heavy	
10	Timothy Johnson	5.500"	Light	Smallest Light
13	Marc Christenson	6.000"	Hunter	Smallest Hunter

Many other competitors produced groups under 7 inches, proving the high level of precision on display throughout the weekend.

Closing Thanks

This was a safe, well-run, and memorable championship. Special thanks go to:

- The pit crews for running the pits smoothly every day
- The line officers and callers who got us finished before the rain each day
- Everyone who helped build and prepare the new targets
- All the volunteers and staff who kept the match safe from start to finish
- The ladies who handled registration with patience and efficiency
- **Kathy and Jay** for putting together another outstanding prize table

Thank you also to every competitor who traveled to Raton, our international shooters, the scorekeepers, tech officers, and the entire FCSA family for another year of sportsmanship and friendship.

Onward to the Future

Here's to continued FCSA excellence, international camaraderie, and next-level marksmanship with the big .50. We'll see you all at the next championship — stronger, sharper, and more inspired than ever.

Congratulations to all the 2026 champions and every shooter who put rounds downrange!

2026 FCSA WORLD CHAMPIONSHIP MATCH

TOP 80 GUN RESULTS						
Rank	Competitor Name	Class	Score	X's	Avg Group	Combo
1	Craig Martin	UNLIM	300	16	6.844	6.844
2	Marc Christenson	HEAVY	294	6	7.938	8.938
3	Jeff Billotte	HEAVY	288	11	7.958	9.958
4	Jay Dvorsky	UNLIM	284	7	9.646	12.313
5	Michael Whitesides	HEAVY	281	8	9.354	12.521
6	Marc Christenson	HUNTER	282	8	9.573	12.573
7	Owen Hamilton	LIGHT	272	3	8.625	13.292
8	Jeff Billotte	UNLIM	284	6	11.010	13.677
9	Shirley List	HEAVY	287	7	11.854	14.021
10	Jay Dvorsky	HUNTER	288	11	12.302	14.302
11	Michael Whitesides	UNLIM	267	1	8.990	14.490
12	Don Herzberg	UNLIM	279	7	11.542	15.042
13	Craig Martin	HUNTER	287	7	13.010	15.177
14	Craig Martin	HEAVY	283	10	12.229	15.063
15	Don Herzberg	HEAVY	287	6	13.115	15.281
16	Reinhardt List	HEAVY	284	10	12.927	15.594
17	Marlene Hamilton	HEAVY	275	7	11.583	15.750
18	Edward George	HEAVY	271	9	10.990	15.823
19	Edward George	UNLIM	272	5	11.323	15.990
20	Craig Martin	LIGHT	283	5	13.281	16.115
21	James Archer	HUNTER	285	7	13.771	16.271
22	Bill Breda	UNLIM	285	5	13.896	16.396
23	James Classen	HEAVY	275	5	12.427	16.594
24	Martin List	HEAVY	284	12	14.198	16.865
25	Timothy Johnson	LIGHT	280	5	13.885	17.219
26	Dave Nicholson	HEAVY	269	7	12.156	17.323
27	Ronnie Blades	UNLIM	277	3	14.260	18.094
28	Mark Miller	HEAVY	272	3	13.594	18.260
29	Owen Hamilton	HEAVY	260	3	11.604	18.271
30	Martin List	UNLIM	275	5	14.240	18.406
31	Timothy Johnson	HEAVY	258	2	11.469	18.469
32	Randy Powell	HEAVY	266	5	13.000	18.667
33	Denial List	JUNIOR	260	5	12.115	18.781
34	Wayne Meagher	HUNTER	275	8	14.688	18.854
35	Danny Gilbert	HUNTER	281	9	15.823	18.990
36	Garret Johnson	JUNIOR	267	5	14.042	19.542
37	Mark Miller	HUNTER	268	4	14.438	19.771
38	James Archer	UNLIM	273	5	15.594	20.094
39	Roy Thompson	HEAVY	260	7	14.344	21.010
40	David Griffith	HEAVY	277	5	17.594	21.427
41	Curtis Calhoon	HEAVY	259	3	15.688	22.521
42	David Griffith	LIGHT	263	2	16.667	22.833
43	Cooper Bullard	JUNIOR	259	2	16.229	23.063
44	Shirley List	UNLIM	273	2	18.646	23.146
45	Archa Haymaker	HEAVY	266	4	17.490	23.156

2026 FCSA WORLD CHAMPIONSHIP MATCH

TOP 80 GUN RESULTS						
Rank	Competitor Name	Class	Score	X's	Avg Group	Combo
46	Roy Thompson	UNLIM	269	3	18.240	23.406
47	Aaron Breda	HUNTER	259	2	16.896	23.729
48	Archa Haymaker	UNLIM	262	4	18.188	24.521
49	Curtis Calhoon	UNLIM	267	6	19.156	24.656
50	Jeff Ryan	HUNTER	261	2	18.208	24.708
51	Roxanne Myers	UNLIM	246	4	15.823	24.823
52	Jay Dvorsky	HEAVY	246	3	16.042	25.042
53	Marlene Hamilton	UNLIM	238	3	14.927	25.260
54	Roxanne Myers	HEAVY	254	8	17.594	25.260
55	Ronnie Blades	HEAVY	263	5	19.323	25.490
56	Randy Ofstadt	HEAVY	254	4	18.625	26.292
57	Robert Pohl	UNLIM	254	0	18.823	26.490
58	Dave Walls	HEAVY	257	5	19.490	26.656
59	Richard Biggio	HEAVY	253	6	19.719	27.552
60	Robert Pohl	HUNTER	244	3	18.313	27.646
61	James Classen	UNLIM	254	2	20.292	27.958
62	Kenny Johnson	LIGHT	247	3	19.604	28.438
63	Danny Gilbert	HEAVY	256	4	22.708	30.042
64	Stephen Liso	LIGHT	241	0	20.479	30.313
65	Jim Kraemer	HEAVY	248	2	21.802	30.469
66	Wayne Meagher	HEAVY	254	5	22.875	30.542
67	Jesse Curren	UNLIM	230	2	18.917	30.583
68	Reinhardt List	UNLIM	229	1	19.323	31.156
69	Jay Dvorsky	LIGHT	246	1	23.385	32.385
70	Richard Biggio	LIGHT	260	3	26.188	32.854
71	Dave Nicholson	UNLIM	238	1	25.240	35.573
72	Jim Kraemer	UNLIM	234	0	26.052	37.052
73	Kenny Johnson	HEAVY	223	1	24.406	37.240
74	Jeff Ryan	LIGHT	230	2	29.865	41.531
75	Dave Walls	UNLIM	229	3	31.073	42.906
76	Randy Ofstadt	HUNTER	225	0	32.063	44.563
77	Jeff Ryan	UNLIM	198	3	30.396	47.396
78	Dave Walls	LIGHT	209	0	34.948	50.115
79	Temple Tallent	LIGHT	215	1	38.719	52.885
80	Al Rosenberg	HEAVY	203	0	38.438	54.604

Notes:

- Competitor placement is based on the 1-gun aggregate shown in the "Combo" column.
- "Combo" is the group size increased by the average number of points dropped per target.
- Ties in combo group were resolved using the number of X's, 10's, 9's, 8's and 7's.

2026 FCSA WORLD CHAMPIONSHIP MATCH

[illegible]

ROOKIE OF THE YEAR			
Place	Competitor Name	Class	Combo
1			
2			
3			
4			

INTERNATIONAL COMPETITORS			
Place	Competitor Name	Class	Combo
1	Dave Walls	HEAVY	26.656
2			
3			

WOMEN COMPETITORS			
Place	Competitor Name	Class	Combo
1	Shirley List	HEAVY	14.021
2	Marlene Hamilton	HEAVY	15.750
3	Roxanne Myers	UNLIM	24.823
4			

Place	JUNIOR SCORE PLACING				
	Competitor Name	Combo	Score	X'S	Group
1	Denial List	18.781	260	5	12.115
2	Garret Johnson	19.542	267	5	14.042
3	Cooper Bullard	23.063	259	2	16.229
4					
5					

Place	Iron MAN				on MAIDI
	Competitor Name	Combo	Score	X's	
1	Craig Martin	13.299	1153	38	
2	Jay Dvorsky	21.010	1064	22	
3	Jeff Ryan	42.818	880	7	
4					

Place	SENIOR CHAMPION		
	Competitor Name	Class	Combo
1	Jeff Billotte	HEAVY	9.958
2	Michael Whitesides	HEAVY	12.521
3	Shirley List	HEAVY	14.021
4	Don Herzberg	UNLIM	15.042
5	James Classen	HEAVY	16.594
6	Martin List	HEAVY	16.865
7	Dave Nicholson	HEAVY	17.323
8	Ronnie Blades	UNLIM	18.094
9	Mark Miller	HEAVY	18.260
10	Roy Thompson	HEAVY	21.010
11	David Griffith	HEAVY	21.427
12	Archa Haymaker	HEAVY	23.156
13	Jeff Ryan	HUNTER	24.708
14	Roxanne Myers	UNLIM	24.823
15	Randy Ofstadt	HEAVY	26.292
16	Dave Walls	HEAVY	26.656
17	Richard Biggio	HEAVY	27.552
18	Kenny Johnson	LIGHT	28.438
19	Jim Kraemer	HEAVY	30.469
20	Jesse Curren	UNLIM	30.583
21	Al Rosenberg	HEAVY	54.604
22			



2026 FCSA WORLD CHAMPIONSHIP MATCH

UNLIMITED SCORE PLACING			Place	UNLIMITED GROUP PLACING	
Competitor Name	Score	X's		Competitor Name	Group
Craig Martin	300	16	1	Craig Martin	6.844
Bill Breda	285	5	2	Michael Whitesides	8.990
Jay Dvorsky	284	7	3	Jay Dvorsky	9.646
Jeff Billotte	284	6	4	Jeff Billotte	11.010
Don Herzberg	279	7	5	Edward George	11.323
Ronnie Blades	277	3	6	Don Herzberg	11.542
Martin List	275	5	7	Bill Breda	13.896
James Archer	273	5	8	Martin List	14.240
Shirley List	273	2	9	Ronnie Blades	14.260
Edward George	272	5	10	Marlene Hamilton	14.927
Roy Thompson	269	3	11	James Archer	15.594
Curtis Calhoon	267	6	12	Roxanne Myers	15.823
Michael Whitesides	267	1	13	Archa Haymaker	18.188
Archa Haymaker	262	4	14	Roy Thompson	18.240
James Classen	254	2	15	Shirley List	18.646
Robert Pohl	254	0	16	Robert Pohl	18.823
Roxanne Myers	246	4	17	Jesse Curren	18.917
Marlene Hamilton	238	3	18	Curtis Calhoon	19.156
Dave Nicholson	238	1	19	Reinhardt List	19.323
Jim Kraemer	234	0	20	James Classen	20.292
Jesse Curren	230	2	21	Dave Nicholson	25.240
Dave Walls	229	3	22	Jim Kraemer	26.052
Reinhardt List	229	1	23	Jeff Ryan	30.396
Jeff Ryan	198	3	24	Dave Walls	31.073
			25		
			26		
			27		
			28		

Notes:

- Competitor placement is based on the 1-gun Score or Group.
- Ties in Scores and group sizes were resolved using the number of X's, 10's, 9's, 8's, 7's etc.

HEAVY SCORE PLACING			Place	HEAVY GROUP PLACING	
Competitor Name	Score	X's		Competitor Name	Group
Marc Christenson	294	6	1	Marc Christenson	7.938
Jeff Billotte	288	11	2	Jeff Billotte	7.958
Shirley List	287	7	3	Michael Whitesides	9.354
Don Herzberg	287	6	4	Edward George	10.990
Martin List	284	12	5	Timothy Johnson	11.469
Reinhardt List	284	10	6	Marlene Hamilton	11.583
Craig Martin	283	10	7	Owen Hamilton	11.604
Michael Whitesides	281	8	8	Shirley List	11.854
David Griffith	277	5	9	Dave Nicholson	12.156
Marlene Hamilton	275	7	10	Craig Martin	12.229
James Classen	275	5	11	James Classen	12.427
Mark Miller	272	3	12	Reinhardt List	12.927
Edward George	271	9	13	Randy Powell	13.000
Dave Nicholson	269	7	14	Don Herzberg	13.115
Randy Powell	266	5	15	Mark Miller	13.594
Archa Haymaker	266	4	16	Martin List	14.198
Ronnie Blades	263	5	17	Roy Thompson	14.344
Roy Thompson	260	7	18	Curtis Calhoon	15.688
Owen Hamilton	260	3	19	Jay Dvorsky	16.042
Curtis Calhoon	259	3	20	Archa Haymaker	17.490
Timothy Johnson	258	2	21	Roxanne Myers	17.594
Dave Walls	257	5	22	David Griffith	17.594
Danny Gilbert	256	4	23	Randy Ofstadt	18.625
Roxanne Myers	254	8	24	Ronnie Blades	19.323
Wayne Meagher	254	5	25	Dave Walls	19.490
Randy Ofstadt	254	4	26	Richard Biggio	19.719
Richard Biggio	253	6	27	Jim Kraemer	21.802
Jim Kraemer	248	2	28	Danny Gilbert	22.708
Jay Dvorsky	246	3	29	Wayne Meagher	22.875
Kenny Johnson	223	1	30	Kenny Johnson	24.406
Al Rosenberg	203	0	31	Al Rosenberg	38.438
Jeff Ryan	191	0	32	Jeff Ryan	39.469
			33		
			34		

Notes:

- Competitor placement is based on the 1-gun Score or Group.
- Ties in Scores and group sizes were resolved using the number of X's, 10's, 9's, 8's, 7's etc.

Competitor Name	Score	X's	Pl	Competitor Name	Group
Craig Martin	283	5	1	Owen Hamilton	8.625
Timothy Johnson	280	5	2	Craig Martin	13.281
Owen Hamilton	272	3	3	Timothy Johnson	13.885
David Griffith	263	2	4	David Griffith	16.667
Richard Biggio	260	3	5	Kenny Johnson	19.604
Kenny Johnson	247	3	6	Stephen Liso	20.479
Jay Dvorsky	246	1	7	Jay Dvorsky	23.385
Stephen Liso	241	0	8	Richard Biggio	26.188
Jeff Ryan	230	2	9	Jeff Ryan	29.865
Temple Tallent	215	1	10	Dave Walls	34.948
Dave Walls	209	0	11	Temple Tallent	38.719
			12		

2026 FCSA WORLD CHAMPIONSHIP MATCH

HUNTER SCORE PLACING			Place	HUNTER GROUP PLACING	
Competitor Name	Score	X's		Competitor Name	Group
Jay Dvorsky	288	11	1	Marc Christenson	9.573
Craig Martin	287	7	2	Jay Dvorsky	12.302
James Archer	285	7	3	Craig Martin	13.010
Marc Christenson	282	8	4	James Archer	13.771
Danny Gilbert	281	9	5	Mark Miller	14.438
Wayne Meagher	275	8	6	Wayne Meagher	14.688
Mark Miller	268	4	7	Danny Gilbert	15.823
Jeff Ryan	261	2	8	Aaron Breda	16.896
Aaron Breda	259	2	9	Jeff Ryan	18.208
Robert Pohl	244	3	10	Robert Pohl	18.313
Randy Ofstadt	225	0	11	Randy Ofstadt	32.063
			12		

2026 FCSA WORLD CHAMPIONSHIP MATCH

Place	2-GUN AGGREGATE SCORE PLACING					
	Competitor Name	Classes	Combo	X's	Total Score	Group Avg
1	Marc Christenson	HVY & HUNTER	10.755	14	576	8.755
2	Craig Martin	HVY & UNLIM	10.953	26	583	9.536
3	Jeff Billotte	HVY & UNLIM	11.818	17	572	9.484
4	Jay Dvorsky	UNLIM & HUNTER	13.307	18	572	10.974
5	Michael Whitesides	HVY & UNLIM	13.505	9	548	9.172
6	Don Herzberg	HVY & UNLIM	15.161	13	566	12.328
7	Owen Hamilton	LIGHT & HVY	15.781	6	532	10.115
8	Edward George	HVY & UNLIM	15.906	14	543	11.156
9	Martin List	HVY & UNLIM	17.635	17	559	14.219
10	Timothy Johnson	LIGHT & HVY	17.844	7	538	12.677
11	James Archer	UNLIM & HUNTER	18.182	12	558	14.682
12	Shirley List	HVY & UNLIM	18.583	9	560	15.250
13	Mark Miller	HVY & HUNTER	19.016	7	540	14.016
14	Marlene Hamilton	HVY & UNLIM	20.505	10	513	13.255
15	Ronnie Blades	HVY & UNLIM	21.792	8	540	16.792
16	David Griffith	LIGHT & HVY	22.130	7	540	17.130
17	Roy Thompson	HVY & UNLIM	22.208	10	529	16.292
18	James Classen	HVY & UNLIM	22.276	7	529	16.359
19	Reinhardt List	HVY & UNLIM	23.375	11	513	16.125
20	Curtis Calhoon	HVY & UNLIM	23.589	9	526	17.422
21	Archa Haymaker	HVY & UNLIM	23.839	8	528	17.839
22	Danny Gilbert	HVY & HUNTER	24.516	13	537	19.266
23	Wayne Meagher	HVY & HUNTER	24.698	13	529	18.781
24	Roxanne Myers	HVY & UNLIM	25.042	12	500	16.708
25	Dave Nicholson	HVY & UNLIM	26.448	8	507	18.698
26	Robert Pohl	UNLIM & HUNTER	27.068	3	498	18.568
27	Richard Biggio	LIGHT & HVY	30.203	9	513	22.953
28	Kenny Johnson	LIGHT & HVY	32.839	4	470	22.005
29	Jeff Ryan	LIGHT & HUNTER	33.120	4	491	24.036
30	Jim Kraemer	HVY & UNLIM	33.760	2	482	23.927
31	Dave Walls	HVY & UNLIM	34.781	8	486	25.281
32	Randy Ofstadt	HVY & HUNTER	35.427	4	479	25.344
33						

Notes:

- 2-Gun placement is based on the best 2-gun aggregate shown in the "Combo" column.
- "Combo" is the group size increased by the average number of points dropped per target.

2026 FCSA WORLD CHAMPIONSHIP MATCH

Place	600YD PRACTICAL SCORE PLACING									
	Competitor Name	Score	X's	10'S	9'S	8'S	7'S	6'S	5'S	4'S
1	Jesse Curren	132	3	4	2	3	2	1	0	0
2	Wayne Meagher	132	3	3	3	4	1	1	0	0
3	Bill Breda	128	0	4	3	5	3	0	0	0
4	Aaron Breda	128	0	3	5	5	1	1	0	0
5	Temple Tallent	125	3	3	1	2	4	2	0	0
6	Mark Miller	117	2	1	2	2	5	3	0	0
7	Al Rosenberg	115	1	1	3	6	2	1	0	0
8	Bob Miller	109	0	2	1	1	7	3	1	0
9	Dave Nicholson	0								

2026 FCSA WORLD CHAMPIONSHIP MATCH

Place	600YD SEMI-AUTO SCORE PLACING									
	Competitor Name	Score	X's	10'S	9'S	8'S	7'S	6'S	5'S	4'S
1	Bob Miller	140	1	6	2	4	2	1	0	0
2	Wayne Meagher	136	2	7	1	2	3	0	0	0
3	Temple Tallent(Relay3)	125	1	4	2	3	4	0	1	0
4	Mark Miller	122	0	3	3	4	3	2	0	0
5										
6										
7										

2026 FCSA WORLD CHAMPIONSHIP MATCH

Place	600YD OPEN CLASS SCORE PLACING									
	Competitor Name	Score	X's	10'S	9'S	8'S	7'S	6'S	5'S	4'S
1	Randy Powell(Relay3)	144	2	7	6	0	0	0	0	0
2	Roxanne Myers(Relay3)	143	4	7	2	1	1	0	0	0
3	Bob Pohl (Relay3)	143	0	9	5	1	0	0	0	0
4	W. Meagher(RELAY3)	140	1	7	5	1	1	0	0	0
5	Jay Dvorsky(Relay3)	139	2	4	8	0	1	0	0	0
6	Roy Thompson	138	1	6	5	2	1	0	0	0
7	Mark Miller(RELAY3)	133	5	2	3	1	4	0	0	0
8	B. Miller(RELAY3)	128	0	6	3	1	3	2	0	0
9	Glenn Wescott	68	0	0	0	0	2	2	6	3
10										



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THE 50S IN RATON

Raton, NM | July 1, 2026 | HEAVY CLASS

#	SHOOTER	POINTS	HITS	CB 1063 yards 1	T1 1166 yards 1 2 3 4 5
1	James Archer	63,518	33/42	M	H H M M H
2	Barry Hamilton	54,650	30/42	M	H H H H H
3	William Breda	48,764	28/42	M	H H H H H
4	Owen Hamilton	47,661	26/42	H	H H H H H
5	Danny Gilbert	44,760	26/42	H	M H H H H
6	Aaron Breda	38,854	23/42	H	H H H H M
7	Ed George	36,442	22/42	H	H H M M M
8	Randy Ofstad	35,998	21/42	M	M H H H M
9	Craig Martin	29,764	17/42	M	H H M H M
10	KEN Johnson	29,130	18/39	M	M M H M H
11	Bob Pohl	20,106	13/41	M	H M M H H
12	Marlene Hamilton	19,150	12/39	M	H M M H H
13	Richard Biggio	18,317	10/40	M	M M M M M
14	Jay Dvorsky	15,959	9/42	M	M M M H M

ELR ALLIANCE

IMPACT REVIEW

14 Shooters | 10 Targets

Targets 1-8 of 10

Generated 8/19/2026

T2 1410 yards	T3 1515 yards	T4 1808 yards	CB 1063 yards	T5 1410 yards	T6 1515 yards
1 2 3 4 5	1 2 3 4 5	1 2 3 4 5	7	1 2 3 4 5	1 2 3 4 5
H M H H H	H H H M H	H H H H H	M	H H H H H	H H M H H
H H H H H	H H H H H	M M M M M	H	H H H H H	H H H H M
H H H H H	H M H H M	M M M M M	H	H H H H H	M H M H H
H M H M M	M M H H H	M M M M M	M	H H H H H	H H H M M
H H H H M	M M M H H	H H H M M	H	H H H H H	H H H M H
M M H H H	M H H H H	M M H M M	M	H H H H M	H H H H M
H H M H H	M H H H M	M H H H H	H	H H M M M	H M H H H
M H H H M	H H H M M	M M M M M	M	H M H H H	H H H H H
M M M M M	H H M M M	M H H H H	M	H H M M M	M H M H H
M M H M H	H M H H H	M H M M M	H	H H H H M	H H
M H H M M	M H M H M	M M M M M	M	M M M H M	M M H H
M H	H M M M M	M M M M M	M	H M M M M	H H M M H
M M M	H H H H M	M M M M M	M	H M M H M	M M M M M
M M M M H	M M H M M	M M M M M	M	M M M M M	M H M H H

THE 50S IN RATON

Raton, NM | July 1, 2026 | HEAVY CLASS

#	SHOOTER	POINTS	HITS	T7 1808 yards	T8 1992 yards
				1 2 3 4 5	1 2 3 4 5
1	James Archer	63,518	33/42	M M H H H	H H H H H
2	Barry Hamilton	54,650	30/42	M H H H M	M M M H H
3	William Breda	48,764	28/42	M M H H H	M H H M H
4	Owen Hamilton	47,661	26/42	H H H H H	H H M M M
5	Danny Gilbert	44,760	26/42	M M M M M	H M M H M
6	Aaron Breda	38,854	23/42	M M H M M	M M M M H
7	Ed George	36,442	22/42	M M M M M	M M M M H
8	Randy Ofstad	35,998	21/42	M M M M H	M M H H M
9	Craig Martin	29,764	17/42	M M M M M	M H M H H
10	KEN Johnson	29,130	18/39	M M M H M	M M H M M
11	Bob Pohl	20,106	13/41	M M M M H	M M H M H
12	Marlene Hamilton	19,150	12/39	M M M H M	M H M M H
13	Richard Biggio	18,317	10/40	M M M H H	M M H M H
14	Jay Dvorsky	15,959	9/42	M M M M M	H H H M M

About the FCSA

The Fifty Caliber Shooters Assn., Inc. (FCSA™) was established in 1985 by a small group of dedicated individuals who set for themselves the mission to advance the sporting use of the .50 BMG Cartridge. FCSA is a non-profit organization registered in Tennessee and Utah.

FCSA provides a quarterly magazine, VERY HIGH POWER™, a Suppliers Directory, professional consulting information on fifty caliber rifles, and reloading information for its membership. In addition FCSA maintains an active, comprehensive web page and forum at www.fcsa.org offering accessibility and insight into the organization for internet visitors and members alike.

Our primary sport at this time is 1000 yard shooting competition with a mission to advance the art of extreme long-range accuracy with the fifty caliber rifle. FCSA sanctions approximately fifteen to twenty organized 1000 yard rifle matches per year in various locations in the continental United States.

FCSA has a sister organization, the Fifty Caliber Institute (FCI), whose role is education, media representation and political advocacy on behalf of .50 caliber owners and manufacturers.

FCSA is a supporting organization of the National Rifle Association (NRA) and was recognized as the NRA club of the year in 2009. We encourage all members to join, however NRA membership is not mandatory nor is it a requirement for FCSA membership or to compete in any FCSA sanctioned match.

FCSA has over 2000 members. Membership in FCSA extends to twelve countries including the United Kingdom, Switzerland, Spain, New Zealand, Norway, South Africa, Australia, Turkey, France and Canada.

The majority of our members are 50 and older, with several competitive shooters in their seventies. Many competitors are women, and have distinguished themselves as excellent marksman having set world records on several occasions. Well over fifty percent of our members have a college degree with 80% having had at least some college. 61% are salaried professionals or business owners, 80% have annual incomes exceeding \$50,000, 58% have incomes over \$75,000, and 9% are military or law enforcement personnel.

FCSA provides a service to military and law enforcement with research and instruction as well as an active liaison in both communities. Major John Plaster, USAR (ret.) has written in his book, ULTIMATE SNIPER, "...most of today's .50 caliber military sniper rifles were developed without one single dollar of government money. To give credit where credit is due, it has been the private sector perfectionist of the Fifty Caliber Shooters Assn. who has led the way in refining .50 caliber cartridges, rifles, and 1000 yard plus shooting know how."

Fifty Caliber rifles are not "the weapon of choice of the criminal." The fifty caliber rifle is too large, too heavy, too loud, and too expensive to be employed in normal criminal behavior. Also the accessibility to ammo is difficult because of its high expense and the almost non-availability through normal retail sales outlets.

The decision to purchase a fifty caliber should be given careful consideration. Fifty caliber rifles are expensive and range in price from \$2500 to more than \$10,000. The sport of competitive shooting also carries with it a commitment of significant financial obligation with the purchase of all the ancillary support equipment that is needed.

FCSA, a corporation governed by an elected President and Board of Directors, is operated in accordance to FCSA's published By Laws. All sanctioned FCSA shooting competitions are conducted according to rules established by the shooting members, and are published in FCSA's Rules & By Laws booklet. The guiding philosophy of FCSA is for the members to enjoy each other's company as well as the sport, maintain free exchange of technical information, and at the same time promote the sporting aspects of Fifty Caliber BMG shooting.







**This series of photos
by Roxanne Myers**









BIG thank you to all our sponsors! I just wanted to highlight Ed George doing everything to help keep the sport and traditions alive. The World Champion 2-Gun winner is considered the winner of our match and historically that person always received a belt buckle highlighting that fact. Anyway when the previous supplier stepped back Ed George stepped in, big thank you to Ed for the belt buckle and frankly all the countless other things he does to keep things going that we don't always see!

Marc Christensen