

July 2017

# PRECISION RIFLEMAN

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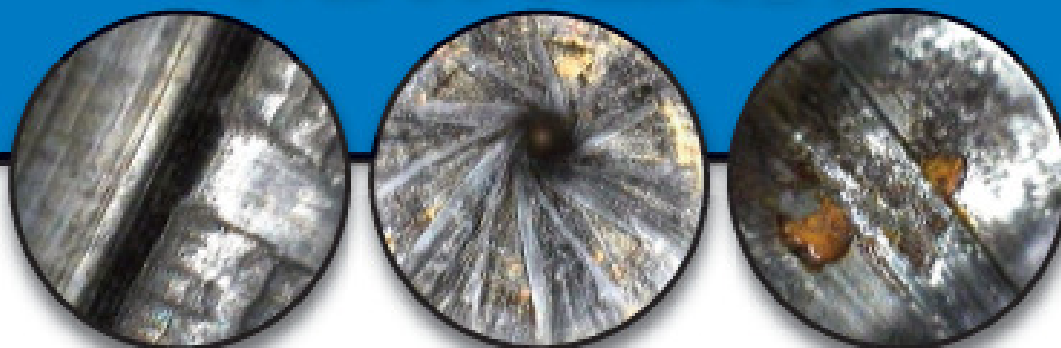


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**Dan Kjelland Winner of the TR&RC**.....**On the Cover**

\*\*\*Photo Credited to **Dan Kjelland**\*\*\* Thank-You :)

## Benchrest Rifle Club of St. Louis - VFS and Hunter Score Match

We had a pretty good day as far as temperature goes but more wind than we all really wanted. And the switching head wind later turned into a switching cross wind with varying velocities, a tough day for all. The mirage at 200 yards was at a point that seeing the scoring lines was nearly impossible. We really do thank those that drove a long distance and welcome back competitor Jeff Ditto.

### VFS 100

Wayne Corley.....	250-19x
Jeremy Mataya.....	250-17x
Dennis Boyet.....	250-14x
Bud Mundy.....	250-13x
Bill Haynes.....	250-13x

### VFS 200

Bud Mundy.....	243-07x
Jeremy Mataya.....	241-06x
Wayne Corley.....	241-04x
Bill Haynes.....	241-03x
Jeff Conover.....	240-08x

### VFS GRAND

Bud Mundy.....	493-20x
Jeremyn Mataya.....	491-23x
Wayne Corley.....	491-23x
Bill Haynes.....	491-16x
Dennis Boyet.....	490-18x

### Varmint for Score

At 100 yards the VFS class the winner was Jeremy Mataya with 250-16X, 2nd was Bud Mundy with 250-12X and 3rd was Bill Haynes with 250-7X. At 200 yards Jeremy Mataya was again the winner with 246-6X, 2nd was Wayne Corley with 244-2X and 3rd was Bill Haynes with 244-1X. In the grand aggregate the winner was Jerry Mataya with 496-22X, 2nd was Bill Haynes with 494-8X and 3rd was Wayne Corley 493-15X.

### HUNTER 100

Mike Schneiderman.....	249-12x
Thomas Sisler.....	249-12x
Clark Greene.....	248-10x
David Speiser.....	248-09x
Jeff Ditto.....	247-08x

### HUNTER 200

Mike Schneiderman.....	240-06x
Paul Hon.....	238-00x
Matthew Hon.....	237-04x
Thomas Sisler.....	236-02x
Clark Greene.....	233-01x

### HUNTER GRAND

Mike Schneiderman.....	489-18x
Thomas Sisler.....	485-14x
Paul Hon.....	484-09x
Matthew Hon.....	482-13x
Jeff Ditto.....	481-11x

### Custom Hunter Class

In the Hunter class the 100 yard winner was Mike Schneiderman with an official Sreamer 250-19X, 2nd was Paul Hon with 249-9X and 3rd was Jerry Kloeppel with 248-15X. At 200 yards the winner was Paul Hon 243-1X, 2nd was Mike Schneiderman with 241-4X and 3rd was Ron Hoehn with 240-4X. In the grand aggregate the winner was Paul Hon with 492-10X, 2nd was Mike Schneiderman with 491-23X and 3rd was Ron Hoehn with 486-10X.

Thanks to all for coming out, hopefully we have some better conditions next match which will be on Sunday May 7 at 9 AM.

By Wayne Corley



LEFT-Right: Tom Sisler, Wayne Corley, Mike Schneiderman, Bud Mundy, Paul Hon and Jeremy Mataya.

## EQUIPMENT LIST

Cartridge	Action	Barrel	Gunsmith	Stocker	Soope	Case	Powder	Load	Primer	Bullet
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### CUSTOM HUNTER

Mike Schneiderman	30 BR	PTG	Krieger	Self	Self	T6	Lap	H-4198	N/A	CCI	Berger
Jerry Kloeppel	30x44	Stolle	Krieger	Self	Self	Leupold	Lapua	V-133	N/A	Fed	10X
Ron Hoehn	30 BR	Kodiak	Shilen	Hoehn	TM	Weaver	Lapua	H-4198	34.2	210	Fowler
Gary Goessling	30x47	Rem	Lilja	L Smart	L Smart	Burris	Lapua	W-748	N/A	LRP	10X
David Speiser	308X47	Rem	Hart	L Smart	L Smart	Weaver	Rem	SRB-118	N/A	Fed	10x
Clark Greene	308S	Rem	Lederer	Self	Self	Leupold	WW	W-748	45.0	Fed	10X
Jeff Ditto	30x47	Kodiak	Shilen	Hoehn	TM	Weaver	Win	W-748	44.0	Win	10X

Cartridge	Action	Barrel	Gunsmith	Stocker	Soope	Case	Powder	Load	Primer	Bullet
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### VARMINT FOR SCORE

Wayne Corley	30 BR	BAT	Lederer	Hoehn	Self	Leupold	Lapua	H-4198	34.0	Fed	HiScore 117
Bud Schneiderman	30 BR	N/A	Kreiger	Mike S	Self	Leu 40	Lapua	H-4198	34.5	Fed	N/A
Jason Cohen	6PPC	BAT	Bartlien	Sooville	N/A	Leupold	Lapua	LT-32	27.8	Fed	JD's 68 FB
Dennis Boyet	30 BR	Panda	Krieger	Hoehn	McMillan	Leupold	Lapua	H-4198	34.5	Fed	10X 115
Bud Mundy	30 BR	Stolle	Krieger	Downey	Downey	Leupold	Lapua	H-4198	N/A	N/A	N/A
Jeremy Mataya	30 BR	Rimrook	Muller	Borden	TM	NF	Lapua	H-4198	34.4	205	BIB 112
Bill Haynes	30 BR	Stolle	Shilen	Self	Self	Weaver	Lapua	H-4198	35.0	205	Cheek 118

## What Makes for Peak Rifle Accuracy?

What makes one rifle accurate and another inaccurate? That is a question that many people have asked over the years. The basic principles of rifle accuracy are the same whether you are dealing with a high-grade benchrest rifle or a bolt-action hunting rifle.

Most of my experience with rifle accuracy has been in competition benchrest shooting. I shot my first match in the summer of 1982 and have been shooting in registered competition ever since. My experience with rifle building began a little before I began shooting benchrest. But in general, I have been stoking and later barreling the benchrest rifles that I shoot in competition since I started shooting competitively. There is nothing like building tight necked 6 PPC's and Waldogs to teach you what it takes to make a rifle accurate.

There are no deep dark secrets to obtain peak rifle accuracy, only top quality mechanics. For the purpose of this discussion, the rifle will consist of three major parts, the barreled action, the stock and the scope. You cannot have top accuracy without all three parts pulling their weight.

### The Barreled Action

The relationship of the barrel and action can best be thought of as how every part of the barreled action relates to the centerline. The centerline is an imaginary line passing from the center of the bore through the center of the action. The centerline may be imaginary but can readily be determined with the aid of a good 0.0001" dial indicator. Of primary importance, the chamber has to be absolutely concentric and parallel to the centerline of the bore with the bolt face being an absolute 90-degree perpendicular to the centerline. The kicker here is that this is hard to accomplish because it is dependent on three different separate parts, the bolt, receiver and barrel and how they fit up to each other.

The bolt body, firing pin, barrel threads and chamber should be completely in line with the centerline of the bore. The action lug recess, bolt lugs, bolt face, receiver face and barrel shoulder need to be 90 degrees to the centerline. The bolt lugs and action lugs should make full contact on all locking surfaces. The action threads and barrel threads should make full contact on the bearing surface of the threads with no contact between the top of the barrel thread and the bottom of the action threads. The chamber should be a size to precisely fit the cartridge case.

The shape or angle of the crown makes practically no difference as long as there are no burrs or irregularities in the crown and that one side of the bullet doesn't clear the barrel before the oppo-

site side of the bullet does. In other words, the barrel doesn't need to be longer on one side than on the other.

Why, you may ask does all this concentricity and 90 degree stuff make any difference? The sole purpose is to launch a bullet precisely centered in the bore straight down the center of the bore and out the crown with as little wobble as possible. If the bolt face is at 90 degrees to the chamber and the barrel bore, some of the relationships in the receiver don't have to be perfect and still you will obtain peak accuracy. The thing is that it is far easier to obtain a bolt face perfectly at 90 degrees to the chambered barrel if every other part is in its proper relationship within the receiver.

An oversize chamber can ruin all your best efforts at building a task-driving rifle. The oversize chamber will allow the cartridge to lie in the bottom of the chamber and throw the bullet out of alignment with the bore. Why then do benchrest shooters get such good groups when they are fire-forming brass? The necks of their cases are turned to such close tolerances that the bullet is still in alignment with the bore as well as the case head is still supported by the chamber.

I haven't mentioned anything about barrel quality. I have used barrels from most of the top makers of benchrest barrels and have had high quality barrels from all of the makers that I have used. If you are going to economize on building a custom rifle, the barrel is not the place to do it. Stick with a top maker and it's hard to go wrong.

Good triggers are critical for the accurate rifle. Not that it is necessary for peak accuracy, but that it makes peak accuracy easier to obtain. Two-ounce trigger have their place in the accurate rifle. That place is on target rifles. With practice a two-ounce trigger can be squeezed and released if wind conditions change, but only if they are being shot from the bench. Two-ounce triggers and field conditions don't mix. I once had a two-ounce trigger mounted on my .280 deer rifle. I was watching a coyote come into a windmill at 300 yards. I placed my crosshairs on him and had a dead coyote. Only thing was, I wasn't ready to shoot yet or at least, so I thought. I replaced that trigger that day with a two-pound trigger and haven't used a two-ounce trigger on a hunting rifle again.

### The Stock

The stock and its relationship to the barreled action play a significant role in the accuracy of the rifle. There are three major methods of stock bedding to barreled action. In the majority of benchrest rifles, the predominant method is the glue-in in which the action is glued into the stock with epoxy glue. Another method that is being used is pillar bedding. Conventional glass bedding is also used, but by very few in the ben-

chrest community.

The glue-in is the easiest to use and the easiest method to obtaining an accurate rifle. It does, however, have its drawbacks. For one, it is harder to take the action from the stock in case of mechanical problems. Triggers have to be able to be removed from the bottom of the stock, which is no problem with the actions commonly used in benchrest. These actions usually have trigger brackets that are removable from beneath the action. The Remington actions that are being used in competition have holes through the stock that allow the trigger pins to be driven out and the trigger removed. This is not too practical if the glue-in happens to be on a hunting rifle like a Remington 700. The thumb safety would make it extremely difficult to remove the trigger from the bottom. Secondly, just because an action is glued-in doesn't mean that it is glued-in without stresses on the action. If the action is stressed when it is glued-in, you then have a bedding problem. But, it's a bedding problem that you can't detect. Lastly, the glue-in is intended to be bedded permanently. But in time a glue-in can become completely or partially unglued by cleaning solvent seeping under the action or any other number of reasons. Murphy's law applies to this really well. When you can least afford the gun coming apart is probably the time it will. A friend of mine had just shot a 0.140 group at 100 yards in the previous match, when his action came unglued before he could shoot the next group. The 0.140 did win him small group for the 100-yard segment, but he was unable to finish the match. That won't happen with a pillar bedded rifle and is also unlikely to happen with a properly glued-in action.

Pillar bedding with aluminum or glass pillars is a method that has started showing up in a large number of benchrest rifles, as well as in high accuracy hunting rifles. As you can guess from my opinion of glue-ins, the rifles that I shoot in competition are pillar bedded. (I now use both methods in competition, pillar beds and glue-ins. I did shoot strictly pillar beds in '96 when this article was published. A properly done glue-in will not cause any problem.) The glue-in is still the most popular bedding method in benchrest competition. But, the number of top competitors, such as L. E. Red Cornelison, Harold Broughton, Speedy Gonzales, Frank Wilson and others, that have shot pillar bedded rifles in competition shows that they believe that they are not losing any accuracy because their rifles are not glued-in. Believe me, if a competitor thought that he was at any disadvantage by shooting a pillar bedded rifle, there is no way that he would be shooting it in competition.

One of the chief advantages with pillar bedding is that the rifle can be taken apart.

(continued on page 25)

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## Dan Kjelland Wins NW Season Opener

TR&RC held its benchrest season opener on April 1 & 2, with 15 shooters showing up to vie for the Allan Bench Trophy. The award is given by the Puget Sound Sniper's Congress, a shooter's club formed in 1944 and the oldest in the NW. As you have already surmised, this year's winner is yours truly. It's my first 2 gun win, and it came as a great surprise. At the end of last season I bought some Hottentstein 68 gr BT bullets with a gift certificate from Bullet-Central.com. Using LT-32, I tried them in 4 different 6ppc Krieger barrels, all chambered with the same reamer. One produced some of the best results I have seen in practice. So I figured I could set my sights on maybe winning one of the 6 weekend events this year, never suspecting it could be the first one. Here's how it went.

Saturday started out with 43 degrees and a light rain but the shooting made it stop and our targets stayed dry. Skies were overcast and the wind was light. At 100 yards Steve immediately seized the lead with his 22 PPC and held it convincingly, all morning. In the LV-100 his winning agg was .1860, and he earned the coffee cup with his .107 small group. Second best was Jim Stipe with a strong .2032 agg.

By noon it had warmed up to 54 degrees with the same light wind. At 200 yards Steve continued to dominate, winning the LV-200 with a terrific .1728 agg. He also shot the smallest afternoon group at .191. Mustafa finished second best with a .2513 agg. Steve finished the day with a winning .1794 LV Grand agg and held all

the cards going into Sunday. Second place went to Jim Stipe with a .2396 grand agg.

Sunday morning was a bit cooler, at 38 deg. The sky was clear and sunny with winds about the same as Saturday. The number of shooters increased to 17 with the addition of Khanh Nguyen and new shooter John Chang. In the HV-200 the conditions were probably the toughest of the weekend. A number of shooters were stung by groups that went over an inch. Matt read his flags best and won the HV-200 with a .2611 agg. He also shot the smallest group at .290. Second place was taken by John with a .2868 agg.

In the afternoon the temperature reached 38 degrees and there was enough sun to add mirage to the sight picture. In the HV-100 John continued to press the action, and ended up shooting the winning agg of .2154. Eldon was close on his heels, taking second with his .2176. Dan shot the smallest group, a screamer measuring .090. John finished his very first day of shooting at TR&RC by winning the HV Grand with a .2511. Dan placed second with a .2668 grand agg.

With a strong finish in the HV-100 Dan advanced for the win, shooting a LV/HV Grand agg of .2622. Steve was unable to keep up the intense pressure of the first day and dropped to second with a .2752. Mark's efforts earned a third place finish, shooting a .2851 grand agg. And with that, the first match of the season was in the books.

Spring is warming up and everyone is looking forward to more action at the TR&RC Manley Oakley Championship on May 6 & 7.

See you there!

By Dan Kjelland

### LV 100

Steve Kostanich .....	0.1860
Jim Stipe .....	0.2032
Mark Walker .....	0.2066
Daniel Kjelland .....	0.2432
Larry Muller .....	0.2564
Lisa Spendlove .....	0.2616
Larry Boers .....	0.2664
Allen Condiff .....	0.2722
Mustafa Bilal .....	0.2790
Eldon Yarbrough .....	0.2838

### SMALL GROUP

Steve Kostanich .....	0.107
-----------------------	-------

### LV 200

Steve Kostanich .....	0.1728
Mustafa Bilal .....	0.2513
Daniel Kjelland .....	0.2720
Jim Stipe .....	0.2760
Larry Boers .....	0.2774
Duane Hatch .....	0.2940
Allen Condiff .....	0.3209
Mark Walker .....	0.3210
Lisa Spendlove .....	0.3245
Mike Zdilar .....	0.3311

### SMALL GROUP

Steve Kostanich .....	0.191
-----------------------	-------

### LV GRAND

Steve Kostanich .....	0.1794
Jim Stipe .....	0.2396
Daniel Kjelland .....	0.2576
Mark Walker .....	0.2638
Mustafa Bilal .....	0.2652
Larry Boers .....	0.2719
Lisa Spendlove .....	0.2930
Allen Condiff .....	0.2965
Larry Muller .....	0.3061
Duane Hatch .....	0.3077

### HV 100

John Chang .....	0.2154
Eldon Yarbrough .....	0.2176
Daniel Kjelland .....	0.2266
Muller Larry .....	0.2342
Lisa Spendlove .....	0.2674
Mark Walker .....	0.2702
Allen Condiff .....	0.2858
Mustafa Bilal .....	0.2898
Larry Boers .....	0.2906
Mike Zdilar .....	0.2934

### SMALL Group

Daniel Kjelland .....	0.090
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Left-Right: Duane Hatch, John Chang, Mark Walker, Dan Kjelland, Steve Kostanich, Larry Muller,

#### HV 200

<b>Matt Spradlin</b> .....	<b>0.2611</b>
John Chang .....	0.2868
Duane Hatch .....	0.2928
Daniel Kjelland .....	0.3070
Allen Condiff .....	0.3205
Larry Boers .....	0.3371
Larry Muller .....	0.3379
Mark Walker .....	0.3426
Mustafa Bilal .....	0.3441
Lisa Spendlove .....	0.3602

#### HV Grand

<b>John Chang</b> .....	<b>0.2511</b>
Daniel Kjelland .....	0.2668
Larry Muller .....	0.2860
Allen Condiff .....	0.3031
Mark Walker .....	0.3064
Lisa Spendlove .....	0.3138
Larry Boers .....	0.3138
Mustafa Bilal .....	0.3169
Matt Spradlin .....	0.3178
Duane Hatch .....	0.3214

#### 2 GUN

<b>Daniel Kjelland</b> .....	<b>0.2622</b>
Steve Kostanich .....	0.2752
Mark Walker .....	0.2851
Mustafa Bilal .....	0.2910
Larry Boers .....	0.2929
Larry Muller .....	0.2961
Allen Condiff .....	0.2998
Lisa Spendlove .....	0.3034
Jim Stipe .....	0.3037
Duane Hatch .....	0.3146

#### SMALL GROUP

<b>Matt Spradlin</b> .....	<b>0.290</b>
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## "IRONMAN" LAST MATCH OF THE YEAR FOR ARIZONIA

We would like to thank all of the shooters that came out to the Arizona Bench Rest Shooters matches this season. Our season began in October of 2016 with the NBRSA Nationals and ended on April 1-2 2017 with our Unlimited 5-Shot Season Closing Match. We saw 22 shooters come out for our last match of the season, which we celebrated by providing free pizza and soda for lunch. This match combined with the rest of the matches of the season to create the AZBRS Ironman, which combines your 6 best scores from the 7 matches of our season to get an Ironman Agg.

The weather this weekend brought some challenging wind that switched direction quite a bit, as Ben Avery is known for. The temperature was nice and the sky clear for the most part. The unlimited matches started off with Doc Marsh getting a screamer in the first match with a 0.098. Dave Woodward shot a very tight group in Match 3 with a 0.051" earning him small group for the morning Agg. We submitted this group to the scoring committee since it was so close to the current record. For the morning's 100 yard Agg Bob Brackney came in 3rd overall with a 0.1804" Agg, with Gary Ocock in 2nd with a 0.1794" and Dana Andrus taking a lead with a 0.1692".

In the afternoon, Doc Marsh took the lead again with a 0.080" group right out the door in Match 1. Brad Jensen took small group for the afternoon agg with a 0.076" in Match 3. In the afternoon aggregate, James Coulter took 3rd place with a 0.1936", Brad Jensen took 2nd with a 0.1798", and Chuck Miller finished 1st with a convincing lead at 0.1664".

Sunday the wind was a bit trickier. However, we did end up with some decent teen aggregates. In the morning Agg, Dave Woodward took 3rd place with a 0.1904", Chuck Miller took 2nd with a 0.1745", and Tom Libby came in 1st with a 0.1588". In the afternoon Agg, Doc Marsh came in 3rd with a 0.2402", Bob Brackney took 2nd with a 0.2351", and Dave Woodward came in 1st with a 0.1849".

In the end, we combined the Saturday Morning matches with the Sunday Afternoon matches to get Grand Agg 1 and The Saturday Afternoon matches with the Sunday Morning matches to get Grand Agg 2. For Grand Agg 1, Dana Andrus took 3rd with a 0.2142", Bob Brackney came in 2nd with a 0.2078", and Dave Woodward got 1st place with a 0.1919". For Grand Agg 2, Dave Woodward came in 3rd with a 0.2012", Tom Libby took 2nd with a

0.1872", and Chuck Miller came in 1st with a 0.1705". When combined to a 1-Gun Grand Agg, Chuck Miller came in 3rd with a 0.2155", Dana Andrus took 2nd with a 0.2096", and Dave Woodward came in 1st with a good lead at 0.1966".

In the Ironman Grand Agg, Bud Mundy took 3rd place with a 0.2638", Larry White came in 2nd with a 0.2533", and Bob Brackney took 1st with a 0.2460". In the Ironman Hall of Fame Grand Agg, Lester Bruno took 1st with a 0.2417". Keep in mind that these Aggs are across an entire season of matches. Great shooting all around guys! Special mention goes out to Tony DeBacco. He was the only junior shooter who made it onto the Ironman Aggregate list by showing up to almost every match this season.

We have a lot of fun out here at Ben Avery holding these matches. We are looking forward to seeing everyone again next October when our 2017-2018 season kicks off. Dates for next year's matches will be posted up on our website soon.

For more information about the Arizona Bench Rest Shooters, visit our website at [www.azbrs.com](http://www.azbrs.com).

Arizona Bench Rest Shooters

[www.azbrs.com](http://www.azbrs.com)

### SPORTER 100

Dana Andrus.....	0.1692
Gary Ocock.....	0.1794
Bob Brackney.....	0.1804
Dan Sutton.....	0.1844
Dave Woodward.....	0.1974
William Marsh.....	0.1982
Larry White.....	0.2060
Brad Jensen.....	0.2148
James Coulter.....	0.2230
Tom DeBacco.....	0.2236

### SMALL GROUP

Dave Woodward .....	0.051
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### SPORTER 200

Dave Woodward.....	0.1849
Bob Brackney.....	0.2351
William Marsh.....	0.2402
Wayne Christian.....	0.2470
Walt Berger.....	0.2497
Joel Nader.....	0.2548
Dana Andrus.....	0.2593
Chuck Miller.....	0.2677
Tom DeBacco.....	0.2706
Jim Folwell.....	0.2822

### SMALL GROUP

Dave Woodward.....	0.204
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**SPORTER GRAND**

Dave Woodward .....	0.1912
Bob Brackney.....	0.2078
Dana Andrus.....	0.2142
William Marsh.....	0.2192
Gary Ooook.....	0.2416
Tom Debaooo.....	0.2471
Chuck Miller.....	0.2526
Wayne Christian.....	0.2553
Joe Stanovich .....	0.2622
Walt Berger.....	0.2628

**UNLIMITED 100**

Chuck Miller.....	0.1664
Brad Jensen.....	0.1798
James Coulter.....	0.1936
Joe Pipola.....	0.1996
Dana Andrus.....	0.2136
Dave Woodward.....	0.2138
Tom III Libby.....	0.2156
William Marsh.....	0.2244
Tony De Baooo.....	0.2282
Dan Sutton.....	0.2340

**SMALL GROUP**

Brad Jensen.....	0.076
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**UNLIMITED 200**

Tom III Libby.....	0.1588
Chuck Miller.....	0.1745
Dave Woodward.....	0.1904
Dana Andrus.....	0.1963
Gary Ooook.....	0.2042
Bob Brackney.....	0.2135
Wayne Brackney.....	0.2220
Larry White.....	0.2251
Lester Bruno.....	0.2311
Tom Debaooo.....	0.2328

**UNLIMITED GRAND**

Chuck Miller.....	0.1705
Tom III Libby.....	0.1872
Dave Woodward.....	0.2021
Dana Andrus.....	0.2050
James Coulter.....	0.2193
Gary Ooook.....	0.2295
Larry White.....	0.2305
Dan Sutton.....	0.2351
Bob Brackney.....	0.2354
William Marsh.....	0.2411

**2 GUN**

Dave Woodward.....	0.1966
Dana Andrus.....	0.2096
Chuck Miller.....	0.2115
Bob Brackney.....	0.2216
William Marsh.....	0.2301
Gary Ooook.....	0.2356
James Coulter.....	0.2425
Tom III Libby.....	0.2486
Larry White.....	0.2499
Tom Debaooo.....	0.2590



Left-Right: Dana Andrus, Doo Marsh, Bob Brackney Chuck Miller, Lester Bruno, Tom Libby, Dave Woodward

**EQUIPMENT LIST**

Caliber	Action	Barrel	Stock	Gunsmith	Scope	Powder	Bullet	Weight
David Woodward	6PPC	BAT	Kreiger	Kensler	N/A	Leupold	8208	Miller 65gr
Dana Andrus	6PPC	BAT	Krieger	Kensler	Ooook	Leu/Brack	LT32	Miller 65gr
Chuck Miller	6PPC	Marsh	Bartlein	Kinsler	Miller	Nightfor	133	Miller 65gr
Bob Brackney	6PPC	Rem	Krieger	Brackney	Brackney	Leupold	8208	Miller 67gr
William Marsh	6PPC	Marsh	Krieger	Kinsler	Marsh	March	133	Marsh 65gr
Gary Ooook	6PPC	Neuvo	Krieger	Young	Ooook	Nightfor	133	Ooook 67gr
James Coulter	6PPC	Hail	Kreiger	Bruno	Ooook	Nightfor	133	Miller Jam
Tom LibbyIII	6PPC	BAT	Bartlien	Kensler	Sosenko	Marsh	8208	Berger N/A
Larry White	6PPC	Marsh	Bartlien	Young	Ooook	Nightfor	LT31	N/A 65gr
Tom DeBaooo	6PPC	BAT	Krieger	Young	Lester	March	T32	Miller 65gr

# Six Tips for Better Results at Club Matches

Every summer weekend, there are probably 400 or more club "fun matches" conducted around the country. One of the good things about these club shoots is that you don't have to spend a fortune on equipment to have fun. But we've seen that many club shooters handicap themselves with a few common equipment oversights or lack of attention to detail while reloading. Here are SIX TIPS that can help you avoid these common mistakes, and build more accurate ammo for your club matches.



**1. Benchrest rear bag - Align Front Rest and Rear Bags.** We see many shooters whose rear bag is angled left or right relative to the bore axis. This can happen when you rush your set-up. But even if you set the gun up carefully, the rear bag can twist due to recoil or the way your arm contacts the bag. After every shot, make sure your rear bag is aligned properly (this is especially important for bag squeezers who may actually pull the bag out of alignment as they squeeze).

Forum member ArtB adds: "To align my front rest and rear bag with the target, I use an old golf club shaft. I run it from my front rest stop through a line that crosses over my speed screw and into the slot between the two ears. I stand behind that set-up and make sure I see a straight line pointing at the target. I also have a piece of tape that I've placed on the golf shaft that indicates how far the back end of the rear bag should be placed from the front rest stop. Don't have an old golf shaft? Go to Home Depot and buy an inexpensive piece of wood dowel."

**2. Avoid Contact Interference -** We see three common kinds of contact or mechanical interference that can really hurt accuracy. First, if your stock has front and/or rear sling swivels make sure these do NOT contact the front or rear bags at any point of the gun's travel. When a sling swivel digs into the front bag that can

cause a shot to pop high or low. To avoid this, reposition the rifle so the swivels don't contact the bags or simply remove the swivels before your match. Second, watch out for the rear of the stock grip area. Make sure this is not resting on the bag as you fire and that it can't come back to contact the bag during recoil. That lip or edge at the bottom of the grip can cause problems when it contacts the rear bag. Third, watch out for the stud or arm on the front rest that limits forward stock travel. With some rests this is high enough that it can actually contact the barrel. We encountered one shooter recently who was complaining about "vertical flyers" during his match. It turns out his barrel was actually hitting the front stop! With most front rests you can either lower the stop or twist the arm to the left or right so it won't contact the barrel.



**3. Weigh Your Charges - Every One.** This may sound obvious, but many folks still rely on a powder measure. Yes we know that most short-range BR shooters throw their charges without weighing, but if you're going to pre-load for a club match there is no reason NOT to weigh your charges. You may be surprised at how inconsistent your powder measure actually

is. One of our testers was recently throwing H4198 charges from a Harrell's measure for his 308R. Each charge was then weighed twice with a Denver Instrument lab scale. Our tester found that thrown charges varied by up to 0.7 grains! And that's with a premium measure.



**4. Measure Your Loaded Ammo - After Bullet Seating.** Even if you've checked your brass and bullets prior to assembling your ammo, we recommend that you weigh your loaded rounds and measure them from base of case to bullet ogive using a comparator. If you find a round that is "way off" in weight or more than .005" off your intended base to ogive length, set it aside and use that round for a fouler. (Note: if the weight is off by more than 6 or 7 grains you may want to disassemble the round and check your powder charge.) With premium, pre-sorted bullets, we've found that we can keep 95% of loaded rounds within a range of .002", measuring from base (of case) to ogive. Now, with some lots of bullets, you just can't keep things within .002", but you should still measure each loaded match round to ensure you don't have some cases that are way too short or way too long.



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5. **Scope Ring - Check Your Fasteners.** Before a match you need to double-check your scope rings or iron sight mounts to ensure everything is tight. Likewise, you should check the tension on the screws/bolts that hold the action in place. Even with a low-recoiling rimfire rifle, action screws or scope rings can come loose during normal shooting.



6. **Make a Checklist - Pack the Night Before.** Ever drive 50 miles to a match then discover you have the wrong ammo or that you forgot your bolt? Well, mistakes like that happen to the best of us. You can avoid these oversights (and reduce stress at matches) by making a checklist of all the stuff you need. Organize your firearms, range kit, ammo box, and shooting accessories the night before the match. And, like a good Boy Scout, "be prepared". Bring a jacket and hat if it might be cold. If you have windflags, bring them (even if you're not sure the rules allow them). Bring spare batteries, and it's wise to bring a spar rifle and ammo for it. If you have just one gun, a simple mechanical breakdown (such as a broken firing pin) can ruin your whole weekend.

Writer Unknown

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— says Lou Mondan of Palm Springs, California. His granddaughter, Angelina Gonzalez, recently shot at Arizona Benchrest Shooters' (including Arizona State Invitational) and earned 4th place out of 37 shooters in the 2nd 100 yard egg. Her 0.1612" egg was smaller than 2 benchrest hall of famers!

**Gear Specs:**  
Barrel: Shilen  
Stock: Kester

Action: Panda  
Scope: 8-80 March

**Load Specs:**  
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Bullet: 6mm BR Column

Powder: UT 32

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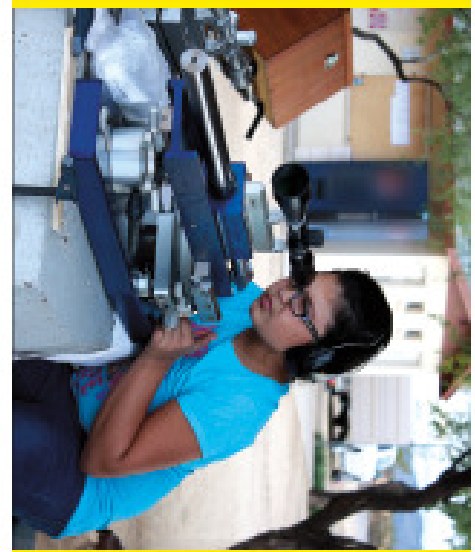
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The bedding can be checked with a dial indicator that measures in ten thousandths by checking the movement between the barrel and forend of the stock as the action screws are loosened and tightened. There should not be any more than 0.002" movement between the barrel and the forend. If there is more than that, say 0.003", you have a bedding problem and your rifle will not shoot to its potential. The action cannot bind in the stock. With a round receiver, you should be able to take the guard screws out of the stock and have the barreled action drop out of the stock. Flat bottom receivers with square sides won't do this. But, even with them, the barreled action should come easily out of the stock. The bedding area and the receiver should be completely clean before they are screwed together. Even the smallest piece of crud between the action and the bedding surface will show up when the dial indicator test is used. All action screws should not touch any part of the stock except at the screw heads. Likewise, the bolt handle must not touch any part of the stock. When the bedding tests out right, don't take the action out of the stock any more than absolutely necessary. Every time the action is removed is just taking a chance of nicking the action or messing up the bedding area in the stock. Really tight screws are not necessary; so don't get carried away tightening guard screws.

Conventional glass bedding has all the advantages of pillar bedding except that the bedding can easily be ruined if the guard screws are over-tightened. I personally know of only one competitor that used conventional glass bedding and he may not anymore. (To my knowledge, he doesn't compete anymore.) There may be more that I am unaware of, but this is an area that is not listed on competitor equipment lists.

Stock shape makes a difference in accuracy not because it makes the rifle's potential accuracy any better, but because it makes that accuracy easier to obtain. That is why benchrest rifles have three-inch wide flat forends. But, stock shape has to be practical for the purpose that the rifle is to be used. After all, who would want a deer rifle with a three-inch flat forend?

### The Scope

An accurate rifle is only as good as the scope mounted on it. Scopes that are good for one use may not be good for other uses. Most of the scopes used in benchrest competition are Leupold, Lyman conversions, Bausch & Lomb, or Weaver 36 power target scopes. They are great for obtaining the most accuracy that you can get from your rifle. But, they are highly impractical for a hunting rifle. They do have a place for use in a hunting rifle, though. A 36-power scope is a great scope for working up the load that you will use with your accurate hunting rifle and then switching to the scope that you will use for hunting. My heavy barreled .280 will shoot significantly smaller groups with a high power target scope than it will with the Kahles 8x56 that it has on it now. The 8x56 will, however, shoot 1-inch groups at 100 yards by full moon light and better under better light. In Texas, as in the rest of the United States, you have to watch your watch when you are hunting with it or you could get in trouble for deer hunting too late. It will allow you to make that shot on a cloudy day at the limit of legal hunting time that a lesser scope wouldn't be able to see.

An accurate scope has to be able to hold its point of aim. The scope is one of the variables over which we have the least control. It is commonly said that benchrest shooters don't look for accurate rifles, they look for accurate scopes. A scope that loses a shot can be enough to make you lose a match or worse. With an unlimited rail gun set on eighteen inch centers, one thousandth of an inch movement will move you approximately 2/10" on the target at 100 yards. With a scope, the inner adjustment tube may only be 3 or 4 inches. That same movement within the scope of 0.001 could move you well over an inch at the same distance. By comparison, a sheet of paper measures approximately .004. It is a wonder that the scopes that are in production are as accurate as they are and it is a marvel

to the machining ability of the optical industry.

For the past several years, there have been a number of modifications to target scopes to help limit movement on the adjustments and also, to limit movement in the parallax in either the objective or by other means. These have ranged from set-screws opposite the turrets to coil spring plungers and some other internal modifications as done by Cecil Tucker of Odessa, TX. Dick Thomas at Premier Reticles at one time fixed the objective in place and moved the parallax adjustment to a set of lenses in front of the turrets. He hasn't offered that modification for quite some time. Jim Carstensen, presently (2002), makes a modification that locks the objective front and rear on Leupold 36 BR's and also has a modification to the objective to suppress movement on the older non-looking Leupold 36's. Burris has taken Cecil's modification a step farther on their scopes with the introduction of the Burris Post-lock that combines a coil spring plunger and locking mechanism on the plunger. This has to be a good idea, especially on a hunting rifle that is sighted in and then usually left alone.

It goes without saying that the accurate rifle cannot be accurate without high quality ammunition, but that's another story.

No matter what the shape, no matter what the weight, no matter what the caliber or purpose, the same elements that make a benchrest rifle accurate are the same elements that make a hunting rifle accurate. I hope that this discussion has left you with a little more insight into why certain rifles are accurate and why some are not.

By Mike Bryant



Mike Bryant



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## Oklahoma State LV-HV match - Okie Shooters Range

### LV 100

Jim Robinson .....	0.2656
Mark Harpenau .....	0.2674
Terry O'Connell .....	0.2916
Don Crunk .....	0.2944
Rex Reneau .....	0.3054
Darrel Looker .....	0.3072
Larry Scharnhorst.....	0.3094
Richard Brensing .....	0.3104
Jim Shirley .....	0.3152
Dennis Wagner .....	0.3192

### SMALL GROUP

Don Crunk .....	0.130
-----------------	-------

### LV 200

Mark Harpenau .....	0.2159
Don Crunk .....	0.2291
Kurtis Brown .....	0.2568
Darrel Looker .....	0.2605
Dennis Wagner.....	0.2695
Jim Shipley .....	0.2711
Terry O'Connell .....	0.2774
Dewayne Stafford .....	0.2781
Larry Scharnhorst .....	0.3144
Tom Ross .....	0.3261

### SMALL GROUP

Larry Scharnhorst.....	0.261
------------------------	-------

### LV GRAND

Mark Harpenau .....	0.2417
Don Crunk .....	0.2618
Darrel Loker.....	0.2839
Terry O'Connell.....	0.2845
Jim Shipley.....	0.2932

### HV 100

Jim Robinson .....	0.2418
Mark Harpenau .....	0.2456
Kurtis Brown .....	0.2506
Jim Shipley .....	0.2690
Rex Reneau .....	0.2724
Don Crunk .....	0.2732
Richard Brensing .....	0.2734
Darrel Loker .....	0.2752
Terry O'Connell .....	0.2832
Dennis Wagner .....	0.2962

### SMALL GROUP

Darrel Looker .....	0.134
---------------------	-------

### HV 200

Unfortunately the Heavy Varmint  
200yard Aggs was  
unavailable.

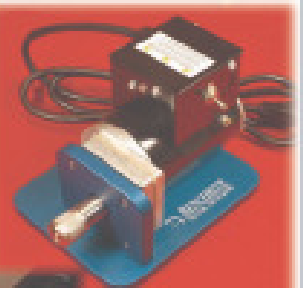
John Dumas



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# 2017 NBRSA Registered Matches

## SOUTHWEST REGION

July 1-2	4-Gun 200-yds	200-yard 4-Gun Challenge Sloughhouse Benchrest
July 8	LG/HG 1000	Sahuaro 1000-Yd Benchrest
July 16	LG/HG 600	Ojai Valley Gun Club
July 23	LG/HG 600	Sloughhouse LR Benchrest
July 22-23	VFS/HBR 200/100	Desert Sportsman Club
Aug 5	HV100/200	Score Match Sloughhouse Benchrest
Aug 5-6	LV/HV 100/200	Utah State Championship Central Utah Benchrest
Aug 12	LG/HG 1000	Sahuaro 1000-Yd Benchrest
Aug 26-27	VFS/HBR 200/100	Desert Sportsman Club
Aug 27	LG/HG 1000	Sloughhouse LR Benchrest
Sept 2-3	4Gun200	Palomino Valley NV State LR
Sept 2-4	SP/LV/HV 100/200	Visalia Sportsman Club California State Championship
Sept 9	LG/HG 1000	Sahuaro 1000-Yd Benchrest
Sept 9	LG/HG 600	Tehama Shooters, Red Bluff, CA Inaugural LR benchrest match
Sept 17	LG/HG 600	Ojai Valley Gun Club
Sept 24	LG/HG 600	Sloughhouse LR Benchrest
Sept 23-24	SP/UNL 200/100	Palomino Valley Gun Club Nevada State Championship
Sept 23-24	VFS/HBR 200/100	Desert Sportsman Club
Oct 7-8	LV/HV 200/100	Sloughhouse Benchrest
Oct 7-8	4Gun 300	Palomino Valley NV State LR
Oct 7-8	LV/HV 100/200	Arizona Benchrest Club
Oct 14	LG/HG 1000	Sahuaro 1000-Yd Benchrest
Oct 21-22	UNL/UNL 100/200	Visalia Sportsman Club Visalia Invitational
Oct 21	VFS 100/200	Palomino Valley Gun Club
Oct 22	LV/HV 200	Palomino Valley NV State
Oct 22	LG/HG 1000	Sloughhouse LR Benchrest

Oct 28-29	VFS/HBR 200/100	SW Regional Championship Desert Sportsman Club
Nov 4-5	SP/UNL5 100/200	Arizona Benchrest Club
Nov 4-5	LV/HV 200/100	Sloughhouse Benchrest
Nov 11	LG/HG 1000	Sahuaro 1000-Yd Benchrest
Nov 19	LG/HG 600	Ojai Valley Gun Club
Nov 26	LG/HG 600	Sloughhouse LR Benchrest
Dec 2-3	UNL/UNL5	Arizona Invitational Arizona Benchrest Club
Dec 9	LG/HG 1000	Sahuaro 1000-Yd Benchrest

## NORTH CENTRAL REGION

July 1-2	HV 123/LV 1/2	Prairie Dog Target Club LV Leg of South Dakota State
July 9	HBR 100/200	Buffalo Outdoor Rifle Club, WY
July 15-16	LV/HV 100/200	Minnetonka Game & Fish Club Don Judd Memorial
July 16	HV/UNL 100/200	Oak Hill Gun Club
July 23-24	LV/HV 100/200	Boone Valley Ikes, Madrid, IA Iowa State Championship
July 23	VFS 100/200	Buffalo Outdoor Rifle Club, WY
Aug 12-13	HBR/VFS 200/300	Lincoln Izaak Walton League Bennet, NE
Aug 13	HBR 100/200	Buffalo Outdoor Rifle Club, WY
Aug 19-20	HV/VFS 100/200	Council Bluffs Rifle & Pistol Club Mid-State Championship, Leg 2
Aug 19-20	LV/HV or UNL 100/200	Minnetonka Game & Fish Club Minnesota State Champ. Leg 2
Aug 27	VFS 100/200	Buffalo Outdoor Rifle Club, WY
Aug 20	LV 100/200	Oak Hill Gun Club
Sept 2-3	LV/HV 100/200	Prairie Dog Target Club HV leg of South Dakota State & Butch Kimmel Memorial
Sept 10	VFS 100/200	Buffalo Outdoor Rifle Club, WY
Sept 16-17	HBR/VFS 100/200	Boone Valley Ikes, Madrid, IA
Sept 30- Oct 1	LV/HV 100/200	Minnetonka Game & Fish Club Jerry Simison Memorial
July 8-9	UNL/UNL 100/200	Northern Colorado Benchrest UNL leg of NorCO 4-Gun



# 2017 NBRSA Registered Matches

## MID-CONTINENT REGION

July 8-9	LV/HV/UNL5 100/200	Mill Creek Club Group Match
July 15-16	UNL10/SP 100/200	Land's End Benchrest 4th & 2nd leg of Land's End 4-Gun
Aug 1-4	HBR/VFS 100/200	2017 SR Score Nationals Northern CO Benchrest Club Ault, Colorado
Aug 5-6	LV/HV 100/200	Quachita Club Group Match  Whittington Center, Raton, NM Rattlesnake
Aug 19-20	LV/HV 100/200	
Sept 2-3	LV/HV 100/200	Mill Creek's Kansas State
Sept 9-10	LV/HV 100/200	30th Annual Firewalker Northern CO Benchrest Club
Sept 30	LV/HV 100/200	Land's End Benchrest Purple Haze & 3rd leg of 4-Gun
Oct 1		
Oct 7-8	LV/HV 100/200	Mill Creek Club Group Match (rescheduled from Apr 29-30)

## GULF COAST REGION

July 8-9	LV/HV 100/200	Midland Shooters Assn
July 16	VFS/HBR 100/200	SW Louisiana R&P Club LA State HBR Championship & VFS
Aug 13	HBR/VFS 100/200	SW Louisiana R&P Club HBR GC Regional & VFS match
Aug 26	HBR/VFS 200/300	Walker County Benchrest
Aug 26-27	LV/HV 100/200	Midland Shooters Assn
Sept 9-10	LV/HV 100/200	Llano Estacado Shooters Assn Lubbock, TX Inaugural benchrest match
Sept 10	VFS 100/200	SW Louisiana R&P Club

## SOUTHEAST REGION

Oct 12-15	LV/HV 100/200	Brady Knight Memorial/SER 4Gun
Oct 28-29	LV/HV 100/200	Ted Manning Challenge Roanoke Rifle Club

## NORTHWEST

July 1-2	VFS/HBR 100/200	Whittecar Rifle Range MT State SR Score Championship
July 1-3	UNL10-10-5 100/200	Tacoma Rifle & Revolver Club Sam Wilson/WA State & Sniper King

July 8-9	HBR/VFS 100/200/300	North Cascades Sportsman Club Bob Miller Memorial
July 22	VFS 100/200	Tri-Cities Metallic Silhouette Club
July 22-23	LV/HV 100/200	Yellowstone Rifle Club Montana State 4Gun Leg 1&2
July 23	HBR 100/200	Lewis-Clark Wildlife Club Idaho State HBR Championship
Aug 5-6	SP/LV 100/200	Tacoma Rifle & Revolver Club Northwest Regionals
Aug 12-13	VFS/HBR 100/200/300	North Cascades Sportsman Club
Aug 20	LG/HG 600	Rogue Valley Shooting Sports
Aug 26	HBR 100/200	Tri-Cities Metallic Silhouette Club
Aug 26-27	HV or UNL10/ SP 100/200	Yellowstone Rifle Club Montana State 4Gun Leg 3&4
Sept 2-4	SP/LV/HV 100/200	Tacoma Rifle & Revolver Club WA State & Ed Frombach Memorial
Sept 9-10	VFS 100/200 & 300	North Cascades Sportsman Club Washington State Championship
Sept 19-20	LG/HG 600	Rogue Valley Shooting Sports Northwest Regionals
Sept 22-23	LG/HG 1000	Rogue Valley Shooting Sports Northwest Regionals
Sept 23	HBR 100/200	Tri-Cities Metallic Silhouette Club Wash. State HBR Championship
Oct 15	LG/HG 600	Rogue Valley Shooting Sports
Oct 21	LG/HG 600	Tri-County Gun Club, WA
Nov 18	LG/HG 600	Tri-County Gun Club, WA

## MISSISSIPPI VALLEY REGION

July 8-9, 2017	HBR 100/200	Holmen Gun Club Wisconsin State HBR Championship
July 15-16	HBR/VFS 100/200	MVR & MO State Championship Bench Rest Rifle Club of St. Louis
July 22-23	4Gun 200	MV Regional Leg 2 Bench Rest Rifle Club of St. Louis
Aug 27	HBR/VFS 100/200	Bench Rest Rifle Club of St. Louis
Sept 9-10	HBR/VFS 100/200	Holmen Gun Club Roy E Gines Memorial match
Sept 18-23	4-GUN	2017 Group Nationals Bench Rest Rifle Club of St. Louis
Oct 1	HBR/VFS 100/200	Bench Rest Rifle Club of St. Louis
Oct 28-29	LV/HV 100/200	Missouri State Championship Bench Rest Rifle Club of St. Louis

# 2017 NBRSA Registered Matches

## EASTERN REGION:

Jul 22-23 LV/HV 100/200 Kane Pennsylvania State Champ.

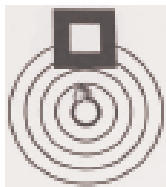
Aug 5-6 LV/HV 100/200 Holton Summer match

Aug 18-20 LV/HV 100/200 Chippewa Rifle Club Summer match

Sept 2-4 3-Gun 100/200 Fairchance Eastern Regionals

Oct 7-8 LV/HV 100/200 WVCCA Fall Classic  
\*54 bench limit. Call to register

Oct 21-22 LV/HV 100/200 Shelby County Fall Finale



## Attention MATCH DIRECTORS AND READERS



Again.....

I need everyone's help to make this transition a success.

If each Match Director could try to get me the Match Results, Equipment List and Write Ups in as a Word Document or Excel, NOT a PDF, this would help me out tremendously. **It is very important that the format be FIRST NAME-FIRST and in order** as it is very time consuming to change every match report that comes in. Please...

If you need help sending and changing the document I would gladly help you out.



*Editor and Chief  
Nancy Scarbrough*

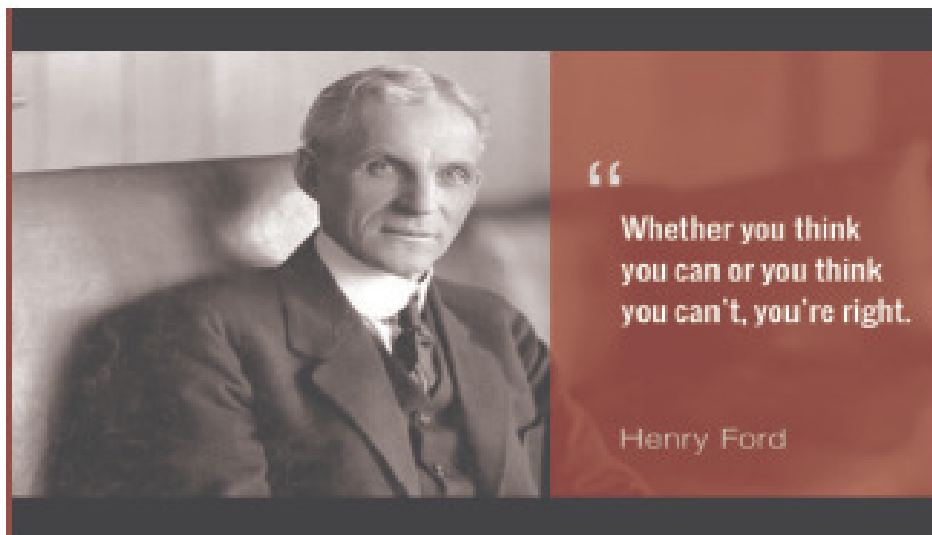
I also need a photo of the winners and a single photo of the over all winner, with names to match the photos. Jpg/300 dpi photos would help with the quality of the layout.

My goal is to get these results in the magazine in a timely manner with as much quality as possible.

Thank you for all your support,  
*Nancy Scarbrough*

If anyone has any questions please feel free to call or e-mail me at  
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## Quote of the Month:





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### Did You Know?

John Adams believed that July 2nd was the correct date on which to celebrate the birth of American independence, and would reportedly turn down invitations to appear at July 4th events in protest. Adams and Thomas Jefferson both died on July 4, 1826--the 50th anniversary of the adoption of the Declaration of Independence.

### This Month in History:

1. U.S. postage stamps went on sale for the first time. (1847)
2. Taxes begin to be withheld from paychecks. (1943)
3. ZIP codes go into use. (1963)
4. President Garfield is shot. His struggle to survive lasted 80 days until his death on September 19th. (1881)
5. The Lawrence Welk show premieres on television. (1955)
6. The first cultivated strawberry is displayed by Michael Kent (1806)
7. After being displayed over a century, the torch on the Statue of Liberty is removed so it can be replaced. (1984)
8. Baseball great Joe DiMaggio hits his first grand slam. (1937)
9. The bikini makes its debut at a Paris fashion show. (1946)
10. In the very first All Star Baseball game, the American League wins 5-2. (1933)
11. The United States annexes Hawaii. (1898)
12. The U.S. State Department issues the first passport. (1796)
13. Dick Clark hosts American Bandstand for the very first time. (1956)
14. After an unsuccessful attempt to change its formula, Coca-Cola brings back the ever popular original formula as "Classic Coke". (1985)
15. Former Vice President Aaron Burr kills Secretary of the Treasury Alexander Hamilton in a duel. (1804)
16. Former Vice President Aaron Burr kills Secretary of the Treasury Alexander Hamilton in a duel. (1804)
17. Skylab space station re-enters the earth's atmosphere. Pieces land in the Indian Ocean and in Australia. (1979)
18. Etch-a-Sketch goes on sale. (1960)
19. The radio is patented by Guglielmo Marconi. (1898)
20. Alfred Nobel demonstrates dynamite. (1867)
21. Liquid rocket fuel is patented. (1914)
22. Vulcanized rubber is patented by Goodyear. (1844)
23. Margarine is patented. (1869)



24. John F. Kennedy Jr. dies in a plane crash off Martha's Vineyard. (1999)
25. The Harvard School of Dentistry becomes the first dental school in the U.S. (1867)
26. The air conditioner was invented. (1902)
27. Walt Disney's Disneyland opens in Anaheim, Ca. (1955)
28. Adolph Hitler publishes *Mein Kampf* (1925)
29. Samuel Colt, invented the revolver (1814)
30. Winston Churchill uses the two finger "V" for victory sign. (1940)
31. In "one small step for man, one giant step for mankind", Astronaut Neil Armstrong becomes the first person to walk on the moon.
32. Jesse James and his gang rob their first train (1873)
33. Bank robber John Dillon was shot dead. (1934)
34. An act of Congress restores Civil War Confederate General Robert E. Lee's citizenship. (1975)
35. Charles E. Minches of St. Louis, Missouri fills a pastry cone with two scoops of ice cream, and the ice cream cone is invented. (1904)
36. Air Force Colonel Eileen M. Collins becomes the first woman to command a space shuttle. (1999)
27. Pres Hoover announces the Kellogg-Briand Pact which renounces war. (A lot of good that did....) (1929)
28. American forces defeat the British at the Battle of Niagara Falls (Lundy's Lane) (1814)
39. Louise Joy Brown, the First "Test Tube" baby is born in Oldham General Hospital, UK (1978)
40. Benjamin Franklin became the first Postmaster General. (1775)
41. Mickey Mantle hits his first "Grand Slam". (1952)
42. Bugs Bunny debuts in Warner Brothers animated cartoon "A Wild Hare" (1940)
43. World War I began. (1914)
44. Walt Disney's "Steamboat Willie" premieres. (1928)
45. President Lyndon B. Johnson signs the Medicare bill. (1965)
46. Mariner 6 flies past Mars (1969)



## 2017 IBS NATIONAL'S

COME JOIN US in the FUN

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Match Fee: \$40.00 per Gun (HB/SP/LV/HV).

Camping fees are \$10.00 per day. The available camping electrical is limited, 120 volt, 20 or 30 amp (no 240 volt).

For: Registration Forms info, Flag Rotation, Camping Spot, Loading area, Golf Cart Reservations and any other question.

### 2017 IBS GROUP NATIONAL'S

August 14th-August 19th

**Contact:** Nancy Scarbrough  
544 N. Buys Rd. Muskegon, MI 49445  
Phone: 231-519-2822  
E-mail: nancyjoj12@gmail.com

### Scheduled Events

Aug 14th, 2017 HB 100 Yards  
Aug 15th, 2017 Sp/LV 100 Yards  
Aug 16th, 2017 HV 100 Yards  
Aug 17th, 2017 HB 200 Yards  
Aug 18th, 2017 LV/Sp 200 Yards  
Aug 19th, 2017 HV 200 Yards

SEE YOU THERE

## The Council Bluffs Rifle and Pistol Club's Mid-States Shootout

The Council Bluffs Rifle and Pistol Club's Mid-States Shootout drew 25 shooters on Saturday, April 22, for a Heavy Varmint group match and 23 shooters on Sunday, April 23, for a Varmint for Score match.

Tricky wind conditions are the norm at the Council Bluffs range but, Howard Cowher was more than up to the challenge. Winning the 100-yard stage in Saturday's Heavy Varmint match with a fine .2192 aggregate that was helped by scoring the 100-yard small group with a .086 screamer.

The wind picked up as the day wore on, and Cowher put together a .3290 200-yard aggregate for third place at the longer yardage. His .2741 grand aggregate gave him the plaque for the Heavy Varmint competition.

The Top 10 shooters at 100 yards behind Cowher were Jason Stanley, .2252; Don Crunk, .2518; Russell Tuokel, .2740; Jon Leu, .2942; Mike Shapoval, .2964; Robert Jacobs, .3060; Dave Brooks, .3084; Dee Myers, .3126; and Chet Whitebread, .3152.

When the target frames were moved out to 200 yards, Ron Miller was first with a .3123 aggregate in some tough

conditions. Rounding out the Top 10 at 200 yards were Don Crunk, .3287; Howard Cowher, .3290; Jeff Shultz, .3379; Kevin Mielki, .3843; Dave Brooks, .4146; Chet Whitebread, .4345; Jason Stanley, .4373; Mike Shapoval, .4569; and Jon Leu, .4644. The small group at 200 yards, a .281, was shot by Jim Grytdahl.

Rounding out the Top 10 in the Heavy Varmint Grand Aggregate behind Cowher were Don Crunk, .2903; Ron Miller, .3232; Jason Stanley, .3313; Dave Brooks, .3615; Chet Whitebread, .3749; Mike Shapoval, .3767; Jon Leu, .3793; Jeff Shultz, .3805; and Dee Myers, .3907.

Sunday morning dawned clear and cool for the 23 shooters who gathered for the 100-yard stage of the Varmint for Score matches. Hall of Fame shooter Mike Bigelow led the pack at 100 yards with a fine 250-21X. When the 100-yard scores were tallied, three shooters were tied at 250-16X. The tie-breaker left Jim Franzen in second place, Kevin Mielke in third place and Jeff Shultz in fourth place. Rounding out the Top 10 were Jason Stanley, 250-15X; Mike Shapoval, 250-14; Ron Miller, 250-12X; Howard Cowher, 250-10X; Russell

Tuokel, 249-18X; and Don Kearney, 249-14X.

With the target frames moved out to 200 yards, Joe Morgan led the pack with a fine-for-conditions 250-7X. Rounding out the Top 10 were Jeff Shultz, 248-8X; Ron Miller, 248-4X; Mike Bigelow, 246-4X; Chet Whitebread, 246-1X; Dan Williams, 244-4X; Sam Langhofer, 244-4X; Dee Myers, 244-2X; Jason Stanley, 243-5X; and Ronnie Berg, 243-4X.

Jeff Shultz parlayed a fourth-place finish at 100 yards and a second-place finish at 200 yards to win the Varmint for Score grand aggregate with a 498-24X. Rounding out the Top 10 in the grand aggregate were Joe Morgan, 498-23X; Ron Miller, 498-15X; Mike Bigelow, 496-25X; Chet Whitebread, 494-17X; Jason Stanley, 493-20X; Dee Myers, 493-13X; Ronnie Berg, 492-17X; Dan Williams, 492-16X; and Howard Cowher, 490-14X.

Jon Leu

### HV 100

Howard Cowher.....	0.2192
Jason Stanley.....	0.2252
Don Crunk.....	0.2518
Russell Tuokel.....	0.2740
Jon Leu.....	0.2942
Mike Shapoval.....	0.2964
Robert Jacobs.....	0.3060
Dave Brooks.....	0.3084
Dee Myers.....	0.3126
Chet Whitebread.....	0.3152

### HV 200

Ron Miller.....	0.3123
Don Crunk.....	0.3287
Howard Cowher.....	0.3290
Jeff Shultz.....	0.3379
Kevin Mielke.....	0.3843
Dave Brooks.....	0.4146
Chet Whitebread.....	0.4345
Jason Stanley.....	0.4373
Mike Shapoval.....	0.4569
Jon Leu.....	0.4644

### HV GRAND

Howard Cowher.....	0.2741
Don Crunk.....	0.2903
Ron Miller.....	0.3232
Jason Stanley.....	0.3313
Dave Brooks.....	0.3615
Chet Whitebread.....	0.3749
Mike Shapoval.....	0.3767
Jon Leu.....	0.3793
Jeff Shultz.....	0.3805
Dee Myers.....	0.3907

## GROUP EQUIPMENT LIST

	Cal	Action	Barrel	GunSmith	Stocker	Scope	Powder	Primer	Case	Bullet
Howard Cowher	6PPC	Panda	Krieger	Whitebread	Kelbly	Luepold	V-133	205	Lapua	Hotten
Don Crunk	6PPC	Farley	Krieger	Scott	N/A	Luepold	V-133	205	Lapua	FFB
Ron Miller	6PPC	Bat	Lederer	Self	Self	March	Lt-32	205	Lapua	Bart
Jeff Shultz	30 BR	Bat	Krieger	Bigelow	Bigelow	Sightron	H4198	CCI	Lapua	Bibs
Dave Brooks	6PPC	Bat	Bartlien	Stevens	Stevens	Valdada	Lt-32	CCI	Lapua	Bart

## VFS 100

Mike Bigelow .....	250-21x
Jim Franzen .....	250-16x
Kevin Mielke .....	250-16x
Jeff Shultz .....	250-16x
Jason Stanley .....	250-15x

## VFS 200

Joe Morgan .....	250-07x
Jeff Shultz .....	248-08x
Ron Miller .....	248-04x
Mike Bigelow .....	246-04x
Chet Whitebread .....	246-01x

## VFS GRAND

Jeff Shultz .....	498-24x
Joe Morgan .....	498-23x
Ron Miller .....	498-16x
Mike Bigelow .....	496-25x
Chet Whitebread .....	494-17x



LEFT-Right Ron Miller, Mike Bigelow, Howard Cowher, Jeff Shultz, Jim Grytdahl and Joe Morgan

## VFS EQUIPMENT LIST

	Cal	Action	Barrel	GunSmith	Stocker	Scope	Powder	Primer	Case	Bullet
Jeff Shultz	30 BR	Bat	Lederer	Bigelow	Bigelow	Sightron	H4198	CCI	Lapua	Bibs
Joe Morgan	30 BR	R Rock	Krieger	Self	Borden	Luepold	H4198	205	Lapua	Bibs
Ron Miller	6 PPC	Bat	Lederer	Self	Self	March	LT-32	205	Lapua	Bart
Mike Bigelow	30 BR	Bat	Krieger	Self	Self	H4198	34.8	Lapua	Own	N/A
Chet Whitebread	6 PPC	Bat	Krieger	Self	Scarbor	Luepold	Mix	205	Lapua	Getner

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## Lee Hachigian - Benchrest

**\*\*\*How did you become interested in shooting benchrest matches?**

I live close to WWCCA, and during the summers I would go to the range to try out new handloads with my hunting rifles. During a summer weekend in 1999, after shooting my rifles I wandered over to the 200 yard range to see what was going on. I was immediately amazed at the fact that these guys were literally shooting one hole groups. I asked a few individuals the obvious questions, what caliber are you shooting, what actions you are using, why the stocks are painted, etc. Everyone was very friendly and informative. I would say; at that point I was hooked. I read everything I could on the subject of precision shooting the next few months, and attended several more matches at WWCCA as an observer. I remember buying the Benchrest Primer and reading it two or three times. In August 1999, I sent out letters to various gunsmiths that were highlighted in the book and Precision Shooting



magazine. Jim Borden responded with a well written letter, and shortly thereafter I ordered my first LV benchrest rifle.

**\*\*\*When did you start shooting matches?**

My first Group Match was in June 2000. I showed up with my new blue flaked painted TPE actioned LV rifle. Joe Krupa helped me out right from the get-go when he saw me struggling to use my right-hand Bald Eagle windage rest (apparently, reaching under the rifle to change windage was not conducive to small groups..., I am a lefty). After he took my rest apart and moved the windage, Joe asked me how much powder I was using. When I told him around 27 grains of

Y-133, he told me to go up a few numbers on my Harrell powder measure. I grains of Y-133, he told me to go up a few numbers on my Harrell powder measure. I did, and in my first registered match I shot a 0.090 small group and finished 3rd in LV 100. I will never forget that match, and I still have the trophies and the target.

**\*\*\*Where do you usually shoot and in what regions?**

WWCCA is my home range, and I shoot primarily in the Eastern Region. I practice and tune my guns at WWCCA which I think helped me to become a better shooter. The concrete benches at WWCCA are all on the 200 yard range. Outside of our registered matches we are not allowed to set up the frames at 100 yards. So all my practicing is at 200 yards.

**\*\*\*What are the favorite ranges you shoot and why?**

I enjoy shooting at the Holton Gun Club. They have nice facilities and good places to eat nearby. It seems that everyone is very relaxed that shoot the regional matches there. I also enjoy Kelbly's and St. Louis. It just seems like I have a good handle on the range and conditions, and I've shot well there. St. Louis is one of the nicest benchrest ranges in the county.

**\*\*\*What equipment do you use, rifles, rests, sandbags, etc.?**

My LV rifles are BAT actions and my railgun (J. Young) holds a Grizzly action. My rest is a cast iron Bald Eagle with a Dunrud Hydraulic windage top. Sandbags are SEBs. I normally shoot Lowell Hottenstein bullets.

**\*\*\*Who builds your rifles?**

I am fortunate to live in the state with one of the premier benchrest gunsmith (Dwight Scott) and most prominent stock builders (Bob Sooville and Bob Soarborough Jr.).

**\*\*\*What do you contribute to your longevity in shooting benchrest?**

I have somewhat of stressful job, so Benchrest shooting has always been more of an opportunity for me to relax and have fun. Along the way you win a few matches, and it becomes more of a competitive thing. However, if it stopped being fun, I would sell my equipment.

**\*\*\*What advice would you give to a new shooter?**

Don't pay too much attention what you read on the internet (most of the people that post haven't won a thing at registered matches). Recent books on Benchrest by Mike Ratigan and Tony Boyer



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are very good source, and a good starting point. I also suggest asking questions to seasoned veterans at the matches. Try to load next to one of the better competitors in the sport, and ask key questions like, where you are seating your bullets, how much powder are you using, what is your shooting style, etc. The key is to try the things that they are telling you. Jack Neary provides a great service with his seminars before some of the larger matches. They are well worth attending.

*\*\*\*What do you attribute to your success?*

Good equipment (barrels, bullets, and powder), and if it's just not shooting well I will make a change with powder and seating depth. Understanding how to tune your rifle and how changes in load and seating impacts the group size, are the key to shooting small. Lastly, an attitude of "let's just have fun", there is always the next match.

Thank you Lee for Sharing :)

## SLOUGHHOUSE BENCHREST SHOOTERS - SACRAMENTO VALLEY SHOOTING FACILITY

ON MARCH 4 & 5 2017 WAS OUR FIRST MATCH OF THE YEAR.

WHAT STARTED OUT AS A CACTUS WARM UP WITH BEAUTIFUL WEATHER, ENDED UP WITH ONLY SIX SURVIVORS SHOOTING IN THUNDERSTORMS.

SAT WAS NICE BUT, MANY CANCELLED BECAUSE OF THE OMINOUS WEATHER. SUNDAY WAS BAD WITH THUNDERSTORMS IN THE AM AND JUST AFTER WE FINISHED, IT CAME DOWN VERY HARD. THE WIND BLEW OVER FLAGS AND BLEW STUFF CLEAR OFF THE BENCH.

MOST BAILED OUT ON SUNDAY AND CHOSE TO STAY HOME, WITH REALLY TOUGH CONDITIONS, ONLY TWO OF THE TWELVE SHOOTERS DID NOT HAVE AN INCH GROUP.

LV100  
BOB DORTON .....0.2736  
LARRY MATHER .....0.2808  
STEVE EPSTEIN .....0.2918

SMALL GROUP  
STEVE EPSTEIN .....0.156

LV 200  
STEVE EPSTEIN .....0.2994  
DAN LUTKE .....0.3145  
LARRY MATHER .....0.3508

SMALL GROUP  
STEVE EPSTEIN .....0.326

LV GRAND  
STEVE EPSTEIN .....0.2956  
BOB DORTON .....0.3150  
LARRY MATHER .....0.3158

HV 100  
LARRY MATHER .....0.2724  
DAN LUTKE .....0.2376  
ART KAWAI .....0.2970

SMALL GROUP  
DAN LUTKE .....0.120

HV 200  
DAN LUTKE .....0.3724  
STEVE EPSTEIN .....0.3898  
LARRY MATHER .....0.3919

SMALL GROUP  
RON PEPPER .....0.240

HV GRAND  
DAN LUTKE .....0.3050  
LARRY MATHER .....0.3322  
STEVE EPSTEIN .....0.3458

2 GUN  
DAN LUTKE .....0.3166  
STEVE EPSTEIN .....0.3207  
LARRY MATHER .....0.3240

## READY FOR MORE?

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Melissa Planiczka 724-320-4021



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Fairfield Inn 724 434-1800  
Super 8 724 425-0261  
Hampton Inn 724 430-0100  
Comfort Suites 724 550-4700

## SLOUGHHOUSE SACRAMENTO VALLEY

## LV 100

STEVE EPSTEIN .....0.2324  
 LARRY MATHER .....0.2562  
 GREG WILSON .....0.2576

## SMALL GROUP

BOB EICHER .....0.112

## LV 200

GREG WILSON .....0.2291  
 ART KAWAI .....0.2668  
 DAN LUTKE .....0.2838

## SMALL GROUP

JASON PETERSON .....0.256

## LV GRAND

GREG WILSON .....0.2433  
 STEVE EPSTEIN .....0.2680  
 LARRY MATHER .....0.2731



GREG WILSON

## 2 GUN

GREG WILSON .....0.2350  
 STEVE EPSTEIN .....0.2640  
 DAN LUTKE .....0.2915

## HV 100

GREG WILSON .....0.1852  
 LARRY MATHER .....0.2286  
 STEVE EPSTEIN .....0.2294

## SMALL GROUP

BOB EICHER .....0.105

## HV 200

GREG WILSON .....0.2683  
 STEVE EPSTEIN .....0.2906  
 DAN LUTKE .....0.3003

## SMALL GROUP

STEVE EPSTEIN .....0.330

## HV GRAND

GREG WILSON .....0.2268  
 STEVE EPSTEIN .....0.2600  
 JASON PETERSON .....0.2882

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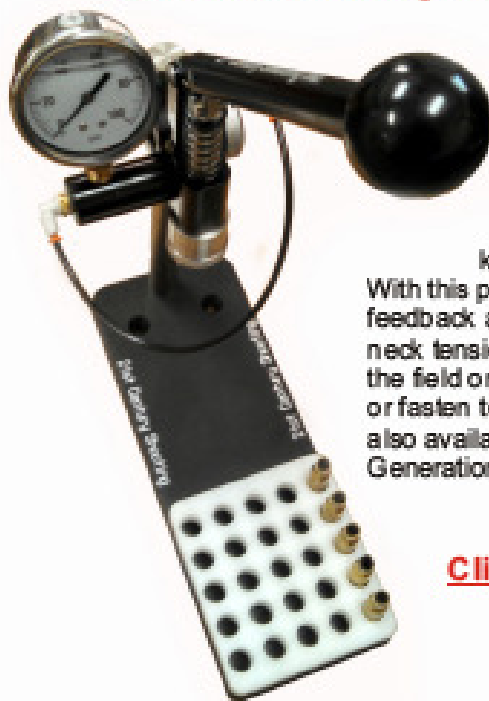


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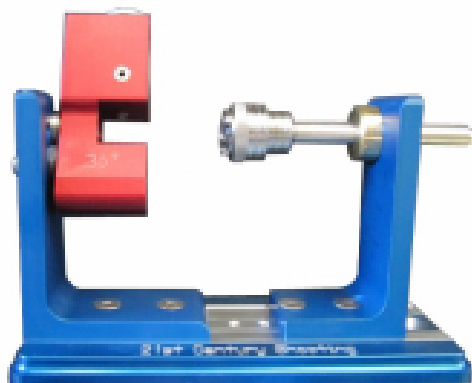
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## Ranges, Clubs, and Contacts

### ER—Eastern Region

#### Chippewa Rifle Club

[www.chippewarifleclub.com](http://www.chippewarifleclub.com)  
[chippewarifleclub@gmail.com](mailto:chippewarifleclub@gmail.com)  
 GPS: N40 56.820 W81 44.583  
 Call: Paul Weihe 330 592-3260  
 or Bob Abbott 330 225-1097  
 1935 Mattingly Rd, Hinckley, OH 44233  
 email: [paul.weihe@yahoo.com](mailto:paul.weihe@yahoo.com)

#### Fairchance Rod & Gun Club

GPS: N39 48.704 W79 47.179  
 Call Nestor Hernandez, Treasurer  
 PO Box 638, Smithfield, PA 15478  
 phone: 412 742-2427  
[hernanfairchancerg@gmail.com](mailto:hernanfairchancerg@gmail.com)  
 Contact: Jerry Van Sickle  
 724 569-2216 181 Guthrie Rd,  
 Smithfield, PA 15478

#### Fairfield Sportsmen Club

3943 Timberidge Ln, Okeana, OH  
 Richard Browning 513 738-0004

#### Holton Gun & Bow Club

6201 Crystal Lake Rd, Holton, MI  
 49425, PO Box 128, Holton, MI  
[www.holtongunandbowclub.com](http://www.holtongunandbowclub.com)  
 GPS: N43 23.742 W86 05.2566  
 Contact: Connie Wyant  
 231 821-2994  
 Email: [sissy620@comcast.net](mailto:sissy620@comcast.net)

#### Kane Fish & Game

Dwight Rd, 1 mile North of Kane  
 on State Route 321  
[www.kanefishandgameclub.org](http://www.kanefishandgameclub.org)  
 Steve Timpano - 814 837-9644  
[stimpano@verizon.net](mailto:stimpano@verizon.net)

#### Shelby Cnty Deer Hunter Assn

7988 Johnston-Slagle Rd, Sidney,  
 OH 45365 937 492-2972  
 Contact: John Petteruti  
 937 654-7950  
 email: [jpetteruti@woh.rr.com](mailto:jpetteruti@woh.rr.com)

#### WWCCA <http://www.wwcca.com>

6700 Napier Rd, Plymouth, MI 48170  
 Call: Dana Raven 734 748-5394  
 10930 Old 27N, Frederic, MI 49733  
[dana\\_raven@yahoo.com](mailto:dana_raven@yahoo.com)  
 Call: Bill Gammon 519 453-6734  
[Bill.gammon@rogers.com](mailto:Bill.gammon@rogers.com)

### GC—Gulf Coast Region

#### Austin Rifle Club

16312 Littig Rd, Manor, TX 78653  
 Call Virgil Howarth 512 447-8968

#### Hill Country Shooters Assn

GPS: N29 44.695 W098 14.141  
 421 Range Rd, New Braunfels, TX 78132  
 Contact: Cody Engel 210 535 2170  
 PO Box 1423, Blanco, TX 78606  
[codyvp@satx.rr.com](mailto:codyvp@satx.rr.com)

#### Midland Shooters Association

4108 East County Rd 160, Mid-  
 land, TX 79706 432 682-2332  
[www.midlandshooters.com](http://www.midlandshooters.com)  
 Contact: Mike Conry  
 432 528-8718 or 432 683-1332  
 3212 E CR 136, Midland, TX 79706  
[MEConry@suddenlink.net](mailto:MEConry@suddenlink.net)

#### North Texas Shooters Assn

[www.shootntsa.com](http://www.shootntsa.com)  
 GPS: N33 19.351 W97 08.938  
 Contact: Michael Stinnett  
 214 794-8006 6651 Blackjack  
 Oaks Rd, Aubrey, TX 76227  
[mkstinnett@gmail.com](mailto:mkstinnett@gmail.com)

#### Seymour Stool Shooters

448 Hwy 283 South, Seymour, TX  
 Contact: John Horn 940 636-9984  
 924 Peterson Rd S, Iowa Park, TX  
 76367 [John.Horn44@gmail.com](mailto:John.Horn44@gmail.com)

#### SW Louisiana Rifle & Pistol Club

[www.swla-rifleandpistol.org](http://www.swla-rifleandpistol.org)  
 Call: Mike Guillot 337 249-3712  
 1600 Cappy Dr, Lake Charles, LA  
[Guillot4555@suddenlink.net](mailto:Guillot4555@suddenlink.net)

#### Tomball Gun Club

Call: Dwayne Pullum 281 684-9004  
 or Richard Pullum by email at:  
[richardpullum@embarqmail.com](mailto:richardpullum@embarqmail.com)

#### Walker County Benchrest Club

[www.walkercabr.com](http://www.walkercabr.com)  
 GPS: 30°45.662N; 95°46.136W  
 Call: Larry Deese, 713 410-5233  
 FM 1696 & Scales Ranch Rd, Texas  
[larry@walkercabr.com](mailto:larry@walkercabr.com)

#### Llano Estacado Shooters Assn

[www.llanogunclub.com](http://www.llanogunclub.com)  
 Call: Kelly Morman 806 777-8964 or  
 email at [ksmorman@outlook.com](mailto:ksmorman@outlook.com)  
 Mail: 7322 76th St, Lubbock, TX 79424

### NC—North Central Region

#### Boone Valley Ikes

Contact: Ronnie Berg 104 S  
 Dalander St, Madrid, IA 50156  
[mrberg@iowatelecom.net](mailto:mrberg@iowatelecom.net)  
 515 210-7772

#### Buffalo Outdoor Rifle Club

462 N Burritt, Buffalo, WY 82834  
 Contact Pete Eisele 307 217- 1155

#### Casper Score Shooters

2330 N Station Rd, Casper, WY  
 Call: Tim Naugle 307 237-7185

#### Council Bluffs Rifle & Pistol Club

[www.cbr-pc.org](http://www.cbr-pc.org)  
 GPS: N41.39083 W95.37891  
 26005 208th St, Crescent, IA 51526  
 Contact: Ron Miller 402 393-4536  
 PO Box 1042, Council Bluffs,  
 IA 50502 [ncnbrsa@cox.net](mailto:ncnbrsa@cox.net)

#### Lincoln Izaak Walton League

10801 S 134th St,  
 Bennet, NE 68317  
 Contact: Mike Shapoval  
 402 420-5763  
[mike10shapoval@windstream.net](mailto:mike10shapoval@windstream.net)

#### Minnetonka Benchrest Assn

8310 Hill n Dale Dr, St Francis,  
 MN 55330 [www.mgfc.org](http://www.mgfc.org)  
 GPS: N45 23.42 W93 29.29  
 Call: Scott Moser 612 961-6761  
 10412 Abbott Dr, Brooklyn Park  
 MN 55443 [samoser@comcast.net](mailto:samoser@comcast.net)

#### Oak Hill Gun Club

[www.oakhillgunclubinc.com](http://www.oakhillgunclubinc.com)  
 12364 Coon Hunters Rd,  
 Blue Grass, IA 52726 563 381-2677  
 Call: Jim Schmidt 563 340-4789  
[jjwonderland325@gmail.com](mailto:jjwonderland325@gmail.com)

#### Prairie Dog Target Club

Call: Don Deckert 605 288-1919  
 HC 54, Box 3, Porcupine SD 57772  
[pdtc57772@yahoo.com](mailto:pdtc57772@yahoo.com)

### NW—Northwest Region

#### Rogue Valley Shooting Sports Assn

6900 Kershaw Blvd, White City,  
 Call: Phil Grammatica 714 749-7216  
[philgrammatica@yahoo.com](mailto:philgrammatica@yahoo.com)

#### Lewis-Clark Wildlife Club

27007 South Tom Beall Rd,  
 Lapwai, ID 83540 280 843-2987

## Ranges, Clubs, and Contacts

[www.lcwildlife.org](http://www.lcwildlife.org)

Contact: Paul Gylling - HTR/VFS  
509 553-1118 [PGylling@gmail.com](mailto:PGylling@gmail.com)  
40102 SR 195, Colfax WA

**North Cascades Sportsman's Club**  
PO Box 1721, Chelan, WA 98816  
<http://www.chelangunclub.com>  
Call: Wally Juneau 509 668-7336  
[ifish2@methow.com](mailto:ifish2@methow.com)

**Tacoma Rifle & Revolver Club**  
8503 Chambers Creek Rd W  
University Place, WA 98467  
[www.tacomarifle.org](http://www.tacomarifle.org)  
Contact: Jeff Lewis 206 407-8299  
32310 6th Ave SW,  
Federal Way, WA 98023  
[varminthunter1@comcast.net](mailto:varminthunter1@comcast.net)  
Call: Mustafa Bilal 206 683-3617  
[mustafa@turkshead.com](mailto:mustafa@turkshead.com)

**Tri-Cities Metallic Silhouette**  
Hwy 12 to Pasco-Kahlotus Rd  
[www.tcmsa.org](http://www.tcmsa.org)  
Contact: Bob Birney  
509 531-6151  
[rebirney@gmail.com](mailto:rebirney@gmail.com)

**Tri-County Gun Club**  
13050 SW Tonquin Rd, Sherwood,  
OR 97140 Call: Fred Dobson 503  
358-2643 or [fdobson3@gmail.com](mailto:fdobson3@gmail.com)

**Yellowstone Rifle Club**  
7212 Molt Rd, Billings, MT  
406 656-2775 [www.yrc.org](http://www.yrc.org)  
Contact: Ryan Lienemann  
406 245-4056  
450 Mirabel Ct, Billings, MT 59101  
[lienemannbr@gmail.com](mailto:lienemannbr@gmail.com)

### **MV—Mississippi Valley**

**Bench Rest Rifle Club Of St Louis**  
2280 Kohn Rd, Wright City, MO  
63390 [www.shootingstl.com](http://www.shootingstl.com)  
GPS: N38 53.353 W091 04.763  
Joe Fesi - Group 314 800-8921  
[old4and1@gmail.com](mailto:old4and1@gmail.com)  
Wayne Corley - Score 636 928-0882  
[waynecorley@sbcglobal.net](mailto:waynecorley@sbcglobal.net)

**Holmen Rod & Gun Club**  
W7503 Cnty Road T, Holmen, WI 54636  
[www.holmenrodandgunclub.com](http://www.holmenrodandgunclub.com)  
Contact: Craig Nagel 608 783-5522

### **SE—Southeast Region**

**Middle Georgia Gun Owners Assn**  
[www.mggoa.com](http://www.mggoa.com)  
GPS: N32 24.3732 W82 53.0574  
PO Box 4096, Dublin, GA 31040  
Contact: Matt Walker 478 304-2749  
[mggoa1@gmail.com](mailto:mggoa1@gmail.com)

**River Bend Gun Club**  
588 River Bend Gun Club Road  
Dawsonville, GA 30534  
770 893-3502 [www.rbgc.org](http://www.rbgc.org)  
GPS: N34 20.198 W84 14.819  
Contact: Jim Andress  
PO Box 7, Marble Hill, GA 30148  
[benchrest@rbgc.org](mailto:benchrest@rbgc.org), or  
[jim@precisionrifles.co](mailto:jim@precisionrifles.co)  
770 876-2351 or 770 893-3319

**Roanoke Rifle & Revolver Club**  
1305 Gun Club Dr, Hardy, VA 24101  
[www.roanokerifle.com](http://www.roanokerifle.com)  
Contact: Gil Gross 276-634-0082  
[gilgrosscms@embarqmail.com](mailto:gilgrosscms@embarqmail.com)

### **MC—Mid-Continent Region**

**Land's End Benchrest Shooters**  
Range Address: 3520 Reeder Mesa  
Road, Whitewater, CO 81527  
Contact: Tom Stiner 970 257-9160  
[TSTooling@hotmail.com](mailto:TSTooling@hotmail.com)

**Mill Creek Rifle Club**  
7215 Gardner Rd, DeSoto, KS 66018  
[www.millcreekrc.org](http://www.millcreekrc.org)  
Contact: Don Creach - Group  
816 586-9475 [dcjcreach@aol.com](mailto:dcjcreach@aol.com)  
Contact: Ronald Shultz - HTR/VFS  
913 557-9879

**Northern CO Benchrest Shooters**  
38967 CR 51, Eaton, CO 80615  
[www.wcfw.org](http://www.wcfw.org)  
Contact: Bud Schalles 970 224-3740  
PO Box 83, La Porte CO 80535  
[budschalles@aol.com](mailto:budschalles@aol.com)

**Okie Shooters Range**  
Contact: John Dumas 580 670-1996  
107 N Main St Apt B, Tonkawa, OK  
74653 [jack.dumas@aol.com](mailto:jack.dumas@aol.com)

**Ouachita Sportsmen's Assn**  
Call: Ray Porter at 870 633-8984  
278 Moquire Ln, Pencil Bluff AR 71965

**Whittington Center**  
34025 US 64, Raton, NM 87740

575 445-3615 [www.nrawc.org](http://www.nrawc.org)  
Contact: Mark Matsko 505 643-6667  
8824 Henriette Wyeth Dr NE, Al-  
buquerque NM 87122  
email: [mmmatsko@gmail.com](mailto:mmmatsko@gmail.com)

### **SW—Southwest Region**

**Arizona Benchrest Shooters**  
GPS: N33 27 12.22 W112 37 12.20  
<http://azbrs.com>

Call: Ryan Neal 480 240-6792  
[ryan.neal@abmammo.com](mailto:ryan.neal@abmammo.com)

**Central Utah Benchrest**  
Call: Dave Tunbridge 801 571-6755  
[drtunbridge@gmail.com](mailto:drtunbridge@gmail.com)

**Desert Sportsman Rifle Club**  
[www.dsrpc.net](http://www.dsrpc.net)  
GPS: N36.1498 W115.3653

Contact: Howard Bloom - HTR  
1964.usmc@att.net or 702 368-0568

**Ojai Valley Gun Club**  
[www.dock.net/orvc](http://www.dock.net/orvc)

Call: Barry Bluhm 805 798-2473  
[TwilightZ585@hotmail.com](mailto:TwilightZ585@hotmail.com)

**Palomino Valley Gun Club**  
[palominovalleygunclub.homestead.com](http://palominovalleygunclub.homestead.com)

GPS: N39 51.374 W119 40.046  
Call: Robert Hoppe - Long Range  
[RobH@saturnnet.com](mailto:RobH@saturnnet.com)  
775 827-8679 or 775 397-3358

Call: Steve Archibald - Varmint  
775 742-1153 [nevadaswa@aol.com](mailto:nevadaswa@aol.com)

**Sahuaro 1000-Yard Benchrest**  
[www.tucsonrifleclub.org](http://www.tucsonrifleclub.org)  
Call: Karl Hunstiger 602 971-4400  
2901 E Cortez St, Phoenix AZ 85028  
[wfo13@aol.com](mailto:wfo13@aol.com)

**Sloughhouse Benchrest Shooters**  
[www.sacvalley.org](http://www.sacvalley.org)

Call: Craig St Claire - Long Range  
[galtshtr@gmx.com](mailto:galtshtr@gmx.com) 209 744-2274  
Call: Dan Lutke - Short Range  
408 241-9759 [lutke5@sbcglobal.net](mailto:lutke5@sbcglobal.net)

**Tehama Shooters Association**  
[www.tehamashooters.com](http://www.tehamashooters.com)  
Call: Richard Heinsohn 530 339-1287  
[voyager658@yahoo.com](mailto:voyager658@yahoo.com)

**Visalia Sportsman Association**  
[www.visaliasportsmans.com](http://www.visaliasportsmans.com)  
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559 280-6243 [gunhandler@gmail.com](mailto:gunhandler@gmail.com)

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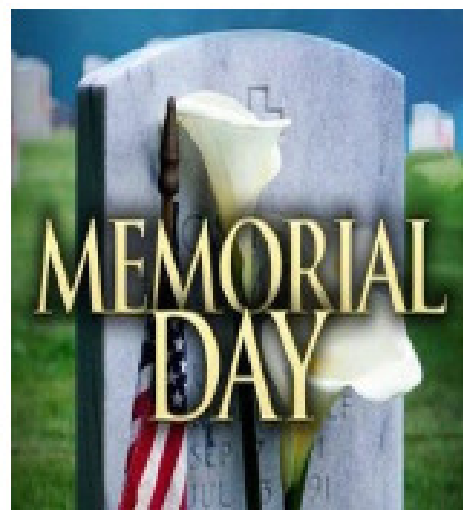
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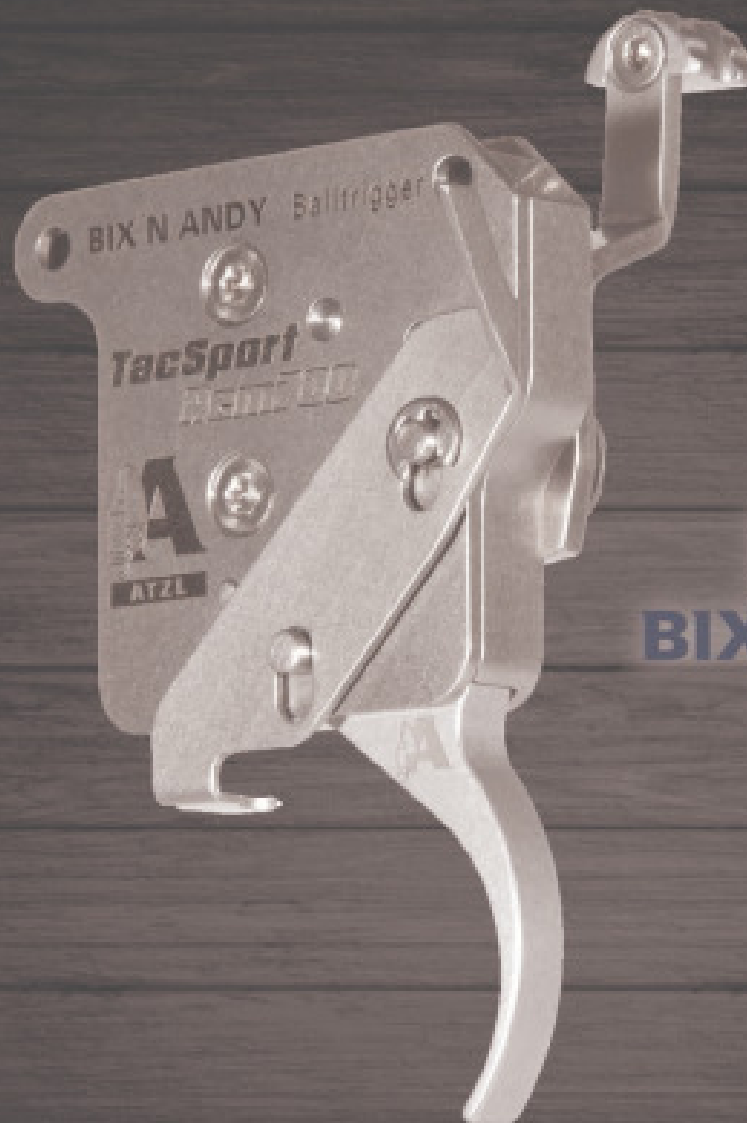


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