

The MUZZLEBLAST

One of Florida's Largest Gun Clubs with well over 3,000 members

Volume 2019, Issue 4

October 2019

SAVE THE DATE: Annual Meeting, Saturday, November 23rd

Come see what is happening at the Club

By Bill King



The Club's annual meeting will be held on Saturday, November 23rd.

The election and general meeting will be at 11:00 am, lunch will be served immediately after. We will report on the State of the Club and questions will be answered.



Prior to the general meeting and election of officers, the Swap Meet will start at 7:30 am, so get all your treasure and trash and head out. Others will be doing the same and a lot of interesting stuff will show up

for sale. At the last meet I saw a \$1000 Krag! I wish I had overlooked how ugly they were when they were practically giving them away. The Swap Meet is for Club members, and remember, all guns will need to be zip tied for safety. We will have these if you need them.

Other reasons for coming are that you'll see a lot of old friends and that most of the board members will be around if you have suggestions or questions. Come join us for a fun and informative morning and a tasty lunch.

Ladies Day 2019

It's here! Ladies Day at Gateway will be Saturday, Nov 16th!

Attendance is limited to the first 100 ladies, and while we are currently at full capacity, we have started a Wait List for those that might still be interested, contact Sue Carter and fill out the application on page 8 if you would like to be added to the Wait List.

You are also asked to contact Sue if you can volunteer your time for the event.

Ladies Day is a day of learning firearm safety and shooting. Everyone will have an opportunity to shoot a variety of firearms. Ladies will be divided into groups and will be paired with experienced instructors for the training.



Contact Sue Carter at 904.880.1715 or at suzcarter@reagan.com if you have any questions, or if you can help out!

ABSENTEE BALLOT INSTRUCTIONS

- 1. Absentee ballots may be completed at the Club office.** Club members will write or mark their choices on the ballot, to include write in candidates. The ballot will be folded to insure privacy and placed in a plain white envelope supplied by Club office personnel. The Club office person receiving the sealed ballot will verify the Club member active status. The words “Absentee Ballot” will be written on the front of the envelope. On the backside of the envelope will be written the printed name and signature of the Club member on one side of the flap and the printed name and signature of the Club employee or Club official receiving the ballot will be on the opposite side of the sealed flap. These ballots will be placed in the ballot box and secured until the elections.
- 2. Absentee ballots may be mailed to the Club.**
 - a. Blank ballots are printed in the Muzzleblast and are online at our web site.
 - b. Blank ballots are available in the Club Office.
 - c. Blank ballots may be mailed to Club members upon request to Club office personnel.

The Club member will write or mark his/her choices as well as the write-in candidates (if any) on the ballot. The Club member will print his/her name and sign his/her signature on the ballot. The signature, however, must be verified by a Public Notary with the Notary’s name and seal on the ballot. The Club member will mail the ballot to the Club to the attention of the Club’s Secretary with the words “ABSENTEE BALLOT” plainly written on the face of the mailed envelope.

GRP Club
ATTN: Ballot enclosed
9301 Zambito Avenue North
Jacksonville, FL 32210

- 3. Regular printed ballots will be on hand at the annual election on 23 November, 2019. Any qualified person who announces his/her availability after 9 October will be on the regular printed ballot.**
- 4. The BOD terms for Dana Baygents, Bill Craig, and Robert Kindl end on 31 December 2020. The BOD terms for Toby Nolan, Tim Allen, and Bill King end on 31 December 2021.**

2019 Range Maintenance Summary

By Bill King

We finished some long-running projects this year including the new backstop on the Bullseye range and an update to two other ranges.

The second long-running project involved drainage improvements. Grading, canals, and new drains (some involving sump pumps) have been installed so that you can now shoot almost anywhere at Gateway without getting your feet wet.

We also did a lead reclamation project for the whole range, cleaning all of them of spent bullets and then adding fresh dirt to the backstops. I don't remember ever doing the whole range at once before so this was a large undertaking.

Another great accomplishment has been bringing our closed circuit camera system up to date. This should be finished next month and we came in under budget.

Also, the Bill Craig building was remodeled to add storage and make it easier to configure for meetings by the groups who shoot here. The Bill Craig building remodel was a key project and it now has a more versatile floorplan that will benefit many shooters.

Speaking of buildings, all of the buildings here at Gateway have come about in order to provide new space for the needs of the Club as they have grown or changed. For example, the annual meetings started in Steve Bernhard's garage, but after the Club had enough members, it was moved to the Armory on Wilson Blvd. After a few other onsite locations they are now held in the Bill Craig building. The need for an outdoor pavilion was also identified and then several years later the present Club Office replaced the trailer we used for an office. Your dues payments help us plan for and complete these types of projects to meet the needs of the Club.

It seems we have had one project after another going on here forever. At this time though, the new Pistol Range is first class and the bays in the rear of the range are in great shape and very popular and crowded most weekends. We believe we have made good use of the property and the work to keep up with maintaining it all in good order is an ongoing effort.

Having said that though, with the completion of the BIG projects, we will take some time to catch our breath before the next projects come along. Every year has its challenges and we expect that 2020 will be no different, but things happen and I think we are in a good place to take care of business as needs arise.



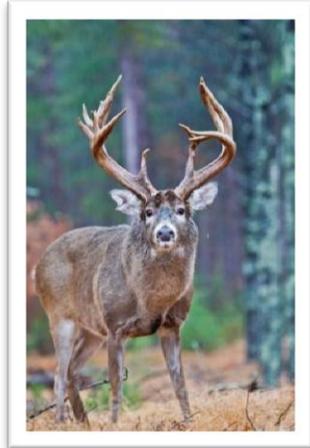
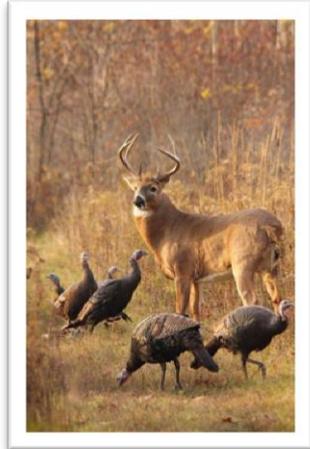
4 UNIVERSAL SAFETY RULES

- ⦿ All firearms are considered loaded at all times
- ⦿ Always point firearms in a safe direction (downrange, the ground, etc.), until on target and ready to fire
- ⦿ Always keep your trigger finger straight along the frame until on target and ready to fire
- ⦿ Always know your target and what is behind it



As Seen on the Internet

It's Hunting Season!!



Science of Shooting Highpower

You can be a Champion

By Will Hux

SGM SF (ret)

Distinguished #1416

NRA High Master Highpower & Long Range

USAS National Coach Development Staff (past)

From a distance over a rifle range the targets seem pretty small. Up close, a 600 yard target gets laughs from many novice, hobby shooters, including those who believe they are “snipers”. Imagine the 600 yard target with its 6” X ring, 12” 10 ring, 18” 9 ring, and 24 inch 8 ring. Seems pretty large, right. Now imagine the 1,000 yard target with the X ring at 10”, 10 ring at 20”, 9 ring at 30”, and an 8 ring at 44”.

I have samples of all of the NRA and F-Class targets posted on the walls in my office. I often host people who fancy themselves as shooters and they really laugh at the size of these targets. When we go to my favorite 1,000 yard range they get a little humble when they see the actual targets posted at 600 and 1,000 yards. They feel a little better when they look through the scope on their bench rested on bipod equipped rifles. Their confidence collapses when I pull out a rifle with iron sights and hold it in my hands with a coat and sling to shoot at those distances. Even a scoped rifle for the “any sight, any rifle” phase is impressive when shot with a coat and sling at any distance.

So what's it like? So many shooters have rifles they believe shoot 1/2 or 1/4 minute with their ammo and yet they do not believe it is competitive. How about a M-1A or AR-15 with iron sights? Believe it or not, these rifles shoot well and have set national records.

Let's start with the 200 yard Highpower target we shoot at Gateway. It has a 3” X ring, 7” 10 ring, and 13” nine ring. You'd better get a strong cup of coffee now before going further.

continued on next page

continued from prior page

As the Minute of Angle is 1.047" per 100 yards, that's 2.094" at 200 yards. The size of the targets rings in MOA is as follows:

- X ring = 3 inches = 1.43 MOA
- 10 ring = 7 inches = 3.35 MOA
- 9 ring = 13 inches = 6.2 MOA

If your rifle and ammo, and your skill can shoot inside 2 MOA at 200 yards you could shoot 10's and X's all day long, in theory. In fact, from our math we see that 3 MOA or better will shoot all 10's. However in practice, even a 1/2 MOA rifle struggles to keep them all in the middle. There are many reasons for this which is one of the things I love about the sport. Wind, mirage, sunlight or clouds, slight differences in our ammo, and of course, we are not perfect. Sight alignment errors are more likely to throw you out of the 10 ring than sight picture problems. Trigger control and breathing contribute to the gremlins as well. I know, one sits on my shoulder screaming "jerk it, jerk it" all the time. I try to ignore the little rascal.

Ok, so how about these "huge" targets at 600 and 1,000 yards?

The Minute of Angle is still 1.047" per 100 yards at 600 yards and equals 6.282 inches per MOA. The sizes of the targets rings at 600 yards are as follows:

- X ring = 6 inches = 0.96 MOA
- 10 ring = 12 inches = 1.91 MOA
- 9 ring = 18 inches = 2.87 MOA
- 8 ring = 24 inches = 3.82 MOA
- 7 ring = 36 inches = 5.73 MOA

Therefore 1 MOA on your sights moves the theoretical impact of the bullet 6.282 inches.

[1.047" x 6 (yds expressed in 100's) = 6.282 inches per 1 MOA]

So, what's keeping you out of the 10 ring on every shot? Same as at 200 yards, but magnifies by the angle and distance. To understand this means having a good working knowledge of trigonometry.

So how about that even larger, gargantuan 1,000 yard target? the scoring rings are as follows:

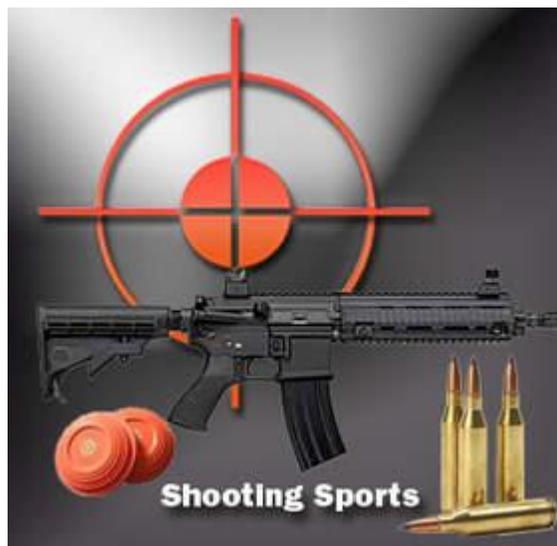
- X ring = 10 inches = 0.96 MOA
- 10 ring = 20 inches = 1.91 MOA
- 9 ring = 30 inches = 2.87 MOA
- 8 ring = 44 inches = 4.2 MOA
- 7 ring = 60 inches = 5.73 MOA

Therefore 1 MOA on your sights moves the theoretical impact of the bullet 10.47 inches.

[1.047" x 10 (yds expressed in 100's) = 10.47 inches per 1 MOA]

The minutes are the same, basically, from 200 to 1,000 yards and are magnified by the distance and so are the errors. A 1/2 minute sighting error at 200 yards is small; the same 1/2 minute error at 1,000 yards is exactly the same unit of measure but will possibly toss you out to the next scoring ring.

Remember the variables and the effect of them on either the flight of the bullet or the appearance of the bullseye due to conditions. I told you this was tough. However, understanding this is one step closer to being a champion.



Sight Alignment and Sight Picture

Fundamentals for a Champion

By Will Hux

SGM SF (ret)

Distinguished #1416

NRA High Master Highpower & Long Range

USAS National Coach Development Staff (past)

I was teaching a class of Coach candidates who wanted the credential for NRA, CMP, or USAS International Shooting and while talking about sight alignment and one of the ladies asked “if the front sight and the rear sight are metal and firmly affixed to the barreled action, how does the alignment get off?” The guys all laughed and thought it a silly question. I enjoyed taking them down over the very astute and accurate question. Why, indeed?

Sight alignment defined, is: Place the clear tip of the front sight post or blade, halfway up and centered from left to right, in the fuzzy rear sight overture. There is a third element to sight alignment and it is most often overlooked. The eye is that element and without alignment of the front and rear sights with the eye, all is lost. Vision does not necessarily need to be perfect 20/20 or better, but if corrected to 20/20 will be adequate.

Visual acuity is the most important asset, and the ability to discern minor changes and differences in sight alignment. This same acuity is valuable with sight picture. Sight picture is defined as: Having first obtaining perfect sight alignment, place the front sight onto the target at the same aiming point.

So sight alignment and sight picture are important, but so are other things that make up the shot. I can talk maybe 24 hours on these topics and the lenses to help, the diameter of apertures (front and rear) and various combinations. The rules must be consulted to keep it legal, and there is some experimenting to do.

Most often the shooter will make the mistake of assuming that what works for one will work for the other. Or, will assume that if some is good, more is better. Like velocity, most are caught up in trying faster and faster. Not me, I only shoot for groups. I will try “slower velocities” if they may shoot better. Sight alignment and picture are like this. Sometimes nothing is as clear as a simple service rifle sight.

Years ago at school in Quantico we were given an M-14 with no front or rear sights. We were given a no. 6 flat washer and three paper clips. We had a morning to make our sights, apply ad zero them, and then shoot 300 yards for score and qualification. Task, conditions and standards, right? The standard was pretty demanding. The front sight was made by twisting the first paper clip around the barrel tightly. We achieved wind changes by bending the wire a little. We achieved elevation by clipping off the top of the wire a little! The rear sight was simply the flat washer affixed to the ‘wings’ of the rear sight with paper clips and twisting wire to make it solid. I gained a lot of confidence in that exercise. I’d not want to shoot the nationals with a paper clip but I would certainly do it if everyone else had the same conditions and standards.

The rules level the playing field, and there is no reason to work outside the rules. It is enough that he who applies the fundamentals the best will emerge as the victor. In classroom training and field application work, we can go into details more and I can easily work individually, while with a group, to help each shooter develop the best possible sight picture and alignment.



NRA
FREEDOM'S SAFEST PLACE

Currently full, but submit the application to
be placed on the Wait List



Ladies' Day at Gateway

9301 Zambito Rd., Jax, FL 32210

Saturday, November 16, 2019



JOIN US FOR A DAY OF LEARNING FIREARM SAFETY AND SHOOTING
EVERYONE WILL HAVE AN OPPORTUNITY TO SHOOT A VARIETY OF FIREARMS.
LADIES WILL BE DIVIDED INTO GROUPS WITH EXPERIENCED INSTRUCTORS.

FIREARMS AND AMMUNITION WILL BE PROVIDED.

- REGISTRATION: 8:00 – 8:30 A.M.
- WELCOME & SAFETY BRIEF: 8:30 – 9:00 A.M.
- SHOOTING TIMES: 9:15 – 11:30 A.M.
- LUNCH: 11:30 A.M. – 12:30 P.M.
- SHOOTING TIMES: 12:45 – 4:15 P.M.



PRICE: \$35.00

INCLUDES REGISTRATION AND LUNCH

PRE-REGISTRATION REQUIRED; LIMITED TO 100, FIRST COME FIRST SERVED, NO WALK-ONS

NO SANDALS OR FLIP-FLOPS

WE RECOMMEND HIGH NECK T-SHIRTS AND BASEBALL CAPS

FOR MORE INFORMATION, CONTACT SUE CARTER AT 904-704-8814 or suzcarter@reagan.com

****REGISTRATION INFORMATION****

NAME (LAST) _____ (FIRST) _____ MI _____

STREET _____

CITY _____ STATE _____ ZIP CODE _____

E-MAIL _____ PHONE _____

AMOUNT PAID _____ CHECK # _____

Please put me in the same group as _____

DEADLINE TO REGISTER – NOV 11, 2019

*****Please return registration and payment to:*****

Sue Carter, 4412 Hood Rd., Jacksonville, FL 32257

Checks made payable to Gateway R&P Club

CLUB INFORMATION

Gateway Rifle & Pistol Club

9301 Zambito Ave. N, Jacksonville,
FL 32210

904.771.2937

www.GRPC-JAX.com

Where to Shoot

Day Members or Annual and Life Members

Ranges 1 A-B-C-D: Pistols only with pistol calibers. Location: Far left (West) as you leave front office, 53 positions at 7/15 yards

Range 2: Rifles at 25-50 and 100 yards and shotguns on select positions

Annual and Life Members Only

Both of above two ranges, #1 and #2

Range 3: Rifle 50- and 200-yards and Pistols with 10 inch Barrels or longer chambered for rifle cartridges

Range 4A: Same as Range 3 except 100-yards only

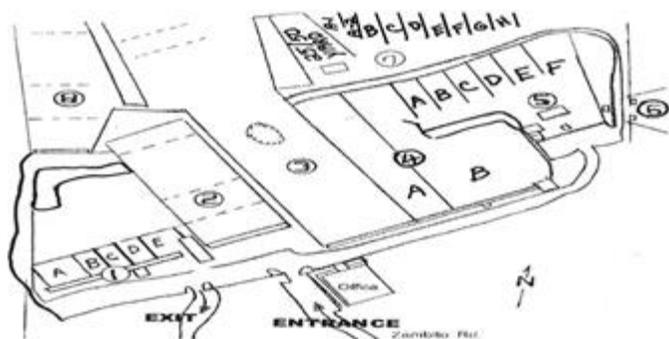
Range 4b: Rifles in rim fire .22 cal, .17 cal plus black powder rifles

Range 5 a-b-c-d-e-f: All-purpose ranges for Pistols and Rifles with Pistol Calibers

Range 6: Shotgun Skeet Range with only #6 to #9 Shot

Range 7 a-b-c-d-e-f-g-h: All Purpose ranges for Pistols and Rifles with Pistol Calibers, 25-/50-Yard Pistol Match Range, Pistols and Rifles with Pistol Calibers

Range 8: Rifle, 25, 50 and 100 yard Rifle targets



ID BADGES

All Shooters:

Annual, Life, and Day Members must wear ID badges at all times when on the Club property.

Slate of Officers		
Officer	Name	Phone Number
President	Don Hardeman	904.631.6458
Vice President	Sam Grimes	904.207.3587
Secretary	Randy Erickson	904.729.4213
Treasurer	Sue Carter	904.880.1715
Public Relations Officer	Allen Way	904.276.3559 or 904.504.8303

Board Members		
Name	Phone Number	email Address
Tim Allen	904.483.7396	
Dana Baygents	904.403.9605	baygents@comcast.net
Bill Craig	904.737.5252 or 904.629.4247	
Robert Kindl	904.398.0763	
Bill King	904.262.0438	rusty10370@aol.com
Russ Misner	904.284.5347	misnerr@bellsouth.net
Toby Nolan	904.284.8164	
Alan Rosner	904.777.7777	

Range Maintenance Schedule		
Day	Time	Range
Monday	0800-1100	100-yard Rifle Range
Tuesday	0800-1100	All Pistol Ranges
Wednesday	0800-1100	Silhouette Range
Thursday	0800-1100	200-yard Rifle Range
Friday	0800-1100	All Multi-Purpose Ranges and New 100-yard Rifle Range

Note: Subject to change based on maintenance need

Gateway Rifle & Pistol Club, Inc.

A private Club operated since 1965, providing a safe environment for the sport of shooting. We offer annual memberships allowing unlimited use of the shooting ranges and daily memberships for the occasional shooter limited to certain ranges. The Club is open 7 days a week from 8:00 am until near dusk except Easter, Thanksgiving, and Christmas. There are numerous pistol ranges at various distances for shooting paper targets and steel plates. The rifle ranges provide 25, 50, 100, and 200 yard shooting positions. For those interested in competition there are monthly matches for small bore, black powder, .22 50/50 Benchrest, bullseye pistol, 3x20 prone, NMC and Cowboy, etc.

There is an active junior program and women's program. The facilities include the rifle and pistol shooting positions, a large club house, meeting rooms, and a store selling those items you may need at the range including targets, ammunition, and eye and ear protection. There is a Range Safety Officer on duty at all times.

Tournament Schedule:			
Match	Range	Day	Time
High Power Rifle Prone	3	1 st Saturday	0800-1100
22 Rimfire Benchrest	4	1 st Saturday	0800-1300
Club 1800 Pistol	1	1 st Sunday	0900-1200
Black Powder	4	2 nd Saturday	0800-1100
High Power Rifle XTC	3	2 nd Sunday	0800-1100
Smallbore F-class	4A	3 rd Saturday	0800-1100
NRA 1800 Bullseye	1	3 rd Sunday	0900-1200
Concealed Pistol/Home Defense Shotgun Match	5	3 rd Sunday	0900-
Smallbore Silhouette	4	4 th Saturday	0800-1400
Cowboy	5	4 th Saturday	0900-

Disclaimer

The Muzzleblast is published bimonthly by Lori Hallauer under the direction of the Gateway Rifle & Pistol Club. All newsletter content to be approved by the GRPC prior to publication. Technical and/or handloading data are for informational purposes only. No responsibility is accepted for results obtained by persons using such data, and all liability for any consequential injuries or damages is disclaimed. References herein to any specific commercial product, process or service by trade name, trademark, manufacturer or otherwise, does not necessarily constitute or imply endorsement, recommendation or favoring by The Gateway Rifle & Pistol Club, Inc., its Board of Directors, its membership, the editor, nor the Publisher. Letters to the editor should be brief, to the point, of firearm-related interest and contain the signature, address and telephone number of the sender. Letters to the editor do not necessarily reflect the views of the editor, publisher or Gateway Rifle & Pistol Club. Send submissions to: Gateway Rifle & Pistol Club, 9301 Zambito Rd., Jacksonville, FL 32210 or to the Muzzleblast editor at: muzzleblasteditor@grpc-jax.com.

Disciplines/Contacts:
IR 50/50 22 Benchrest Bill Smith 904.276.1008, work 904.790.6112
Smallbore Rifle Silhouette Hugh McCombs 904.309.1988
Club 1800 Bullseye Ted Carter 904.880.1715 cdrcoach@reagan.com
High Power Rifle Marion Estes marionestes4952@att.net
3x20 High Power Rifle Joe Zullo 904.495.4109
Black Powder Muzzle Loading Stan Goldy 904.410.1723
NRA/1800 Bullseye Ted Carter 904.880.1715 cdrcoach@reagan.com
NRA/2700 Bullseye Ted Carter 904.880.1715 cdrcoach@reagan.com
Cowboy Action Jake Mehrman 904.316.0644
Junior Shooters Marion Estes marionestes4952@att.net
Smallbore F Class Terry Pitts 216.695.1066
Women's Programs Sue Carter 904.880.1715
Concealed Pistol/Home Defense Shotgun Willy Todorsky Willywhiskers@yahoo.com

Thank you for reading! If you would like to submit information, articles, or match scores, please send them to Bill King at rusty10370@aol.com or Lori Hallauer at redhawks1980@hotmail.com.