

The MUZZLEBLAST

Florida's Largest Gun Club, over 4,000 and growing...

2018

A publication of the Gateway Rifle and Pistol Club of Jacksonville, FL.

#2 – May

Range Update

The spring Swap Meet is coming up. Get out the junk you just had to have that is useless now and bring it down. There will be someone who thinks some of that useless stuff is interesting enough to buy or trade. The swap meet at the annual meeting was pretty nice. Come on down!

In other range news, the maintenance crew has been busy. They just finished updating the 200 yard berm. Updating turned into rebuilding. The old berm wasn't straight and the new design bullet traps needed a straight berm. The work required closing the other rifle lines, as access to the 200 was through the gates in the side berms. That completes the process of bringing our backstops up to code so to speak with the current designs. To show that Murphy's law is ALWAYS in effect, the 200 yd match held the weekend after completion of the work caused damage to the vertical supports to the bullet trap. The angle iron used to protect the wooden uprights was penetrated by the bullets, causing minor damage to the beams. A stronger plate will be installed. This happened because some shooters were shooting at an angle instead of straight at the target in front of them. No matter how good your plan is, something will go wrong. That Murphy guy was sharp.

In other range maintenance news, repairs to the shelters on range 5 and to one of the walls are underway. Looks like one shelter will have to be replaced and part of that one will provide for repairs to the other. It seems that someone ran into the two shelters. Also, potholes being filled and all the other support for damage caused by normal wear and tear is going on. Once in a while someone asks why the roads can't be paved. Well they can, but the requirements for drainage associated with paving are greater than the land we have left.

The next new thing is a trial to see if fans on the firing lines can make the summer heat more tolerable. A test installation will be the first step, followed by redesign and comments by shooters. More to come as this develops. The landscaping we did last year is looking good. More to come. It's still too soon to call the folks at Southern Living to do a feature spread.

As always, damage to the ranges mostly comes under the heading of wear and tear. This can be kept to a minimum if we follow the rules on what can be used on each range. Full house 44 Mag loads will kill any plate rack. That's why we require nothing stronger than .357 mag. On the landscaping front, we have rules about collecting your trash and using the cans to dispose. Each month on range we owe a debt to the Cowboy shooters as they clean up the area before their match. Old shotgun wads and shells accumulate quickly and are noticeable. Please pick up trash and if you do better, I promise to learn to write more interesting articles!

Thanks for reading.
Bill King

Gateway Rifle & Pistol Club

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<http://www.GRPC-JAX.com>

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Next Women On Target Pistol clinic June 2nd

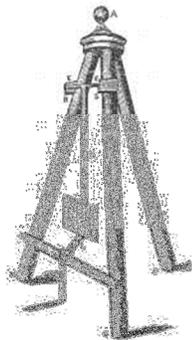
Ladies, the Gateway R&P Club Women's Program is happy to announce the next Women On Target pistol clinic will be held Saturday, June 2nd, from 8:30-12:00 noon. This is a beginner's level course, for those with little to no experience. The class is limited to 30 people, so make sure to get your registration in as soon as possible, and share with your friends. You don't even need to own a gun. We supply the firearms and the ammunition. Please send your form to Sue Carter, to the address on the form, with your payment check made payable to Gateway Rifle & Pistol Club (GRPC). If you have any questions, please contact Sue at suzcarter@reagan.com.

(Form and announcement on Page 4)



Measuring Bullet Velocity (a mechanical chronograph)

In 1742 Benjamin Robins (1707-51) invented his ballistic pendulum, an instrument designed to measure the velocity of a projectile directed at it. Knowing the weight of the pendulum, H , with target, K , the weight of the shot fired, and the distance the pendulum moved when struck (measured by strap L), it was possible to calculate the velocity of the shot. By performing experiments at various distances Robins was able to determine the loss of velocity as range increased, and therefore the effects of air density and gravity. The instrument had its faults, but at least its design was based upon logical thought, not on rules of thumb or guesswork. Robins published his findings in *New Principles of Gunnery 1742*. Had more notice been taken of them at the time the technical development of ordnance might have progressed much faster.



$$V = \sqrt{\frac{2(H+K) \sin\left(\frac{4\pi^2 l}{L}\right) g}{K}}$$



proudly presents

WOMEN ON TARGET

From the Women of the NRA.

NRA Women On Target® Instructional Pistol Shooting Clinic Learn to Shoot!

- Where: Gateway Rifle & Pistol Club
9301 Zambito Ave. North, Jacksonville, FL 32210
<http://www.grpc-jax.com/>
- When: Saturday, June 2, 2018
- Agenda: 8:30-9:00 a.m. Check-In
9:00-10:00 a.m. Classroom instruction
10:00-12:00 noon Range instruction
- Cost: \$30.00 (pre-registration required) Cost includes eye and hearing protection, use of .22 cal pistol, targets, and ammunition. Please do NOT bring your own firearm or ammunition. Free goody bags.
- Contact: Sue Carter 904-704-8814 or via email at suzcarter@reagan.com
Registration form also available at www.grpc-jax.com

Note: Registration fees for cancellations after May 26th will be non-refundable.
Send advanced registration and check (payable to GRPC) before May 26, 2018, to:

Sue Carter
ATTN: NRA Women On Target Clinic
4412 Hood Rd.
Jacksonville, FL 32257

Registration Form

GRPC NRA Women On Target® Instructional Pistol Shooting Clinic 6/2/18	
Name: _____	Please tell us a little about yourself:
Address: _____	I have: <input type="radio"/> never shot before
_____	<input type="radio"/> a little shooting experience
Phone: _____	<input type="radio"/> experienced shooter
Email: _____	Date of Birth _____
<i>Registration is on a 1st come, 1st serve basis.</i>	

GRPC Women's Events Program Ladies UTM Pistol Class

Join us for a fun day of learning the fundamentals of shooting (basic firearms manipulation and marksmanship) without the need for a live fire range or hearing protection. Ladies will be using Ultimate Training Munitions (UTM) to have the opportunity to shoot serialized firearms that have been converted to shoot non-lethal training rounds.

What is UTM? The UTM system is a SAFE and effective alternative to live fire for people of ANY skill level. With the use of safely converted pistols and UTM training ammunition, shooters experience full firearm function and realism while allowing them to train virtually anywhere, without the need for a live fire range. Pistols are SAFELY converted using the UTM system which results in a gun that loads, cycles and recoils like their live firearm but utilizes low velocity, quiet target marking projectiles. While the firearm is converted using the UTM system, it WILL NOT fire a live round, making it both safe and effective for training. For more information on Ultimate Training Munitions (UTM) go to: utmworldwide.com.

Where: GRPC - Craig Building

When: Saturday, June 23, 2018

Event Size: Limited to a total of 20 attendees divided into 2 groups of 10 each.

Schedule: Group 1: Check in/Safety Brief 7:30 am: event time 8:00 am - 12:00 pm (max. 10)

Group 2: Check in/Safety Brief 12:30 pm: event time 1:00 pm - 5:00 pm (max. 10)

Cost: \$35 (Pre-registration is REQUIRED) Cost will cover the use of UTM converted Pistols

and Ammo. Ladies will need to bring a pair of CLEAR wrap around eye protection.

Prescription glasses MUST cover the eye socket. Proper, comfortable attire (no low cut shirts or open toed shoes.)

REGISTRATION: FORMS MAY BE PICKED UP IN THE GRPC OFFICE.

REGISTRATION PERIOD CLOSSES JUNE 16, 2018.

(Form and announcement on Page 6)



LADIES' DAY AT GATEWAY

"Bridging the gap between Range and Reality"



Join us for a fun day of understanding the capabilities of Ultimate Training Munitions (UTM). Ladies will have the opportunity to shoot serialized firearms that have been converted to shoot non-lethal training rounds. The benefits of this training system allow you to incorporate the fundamentals of marksmanship without the need for a live fire range or hearing protection.

Where: Gateway Rifle and Pistol Club | 9301 Zambito Ave. | Jacksonville, Fl. 32210
Event will be taking place inside the Craig Building.

When: Saturday, June 23, 2018

Event Size: Limited to 20 attendees divided into 2 groups.

Agenda: Group 1: Check in/Safety Brief 730am, event time 800am-12pm
Group 2: Check in/Safety Brief 1230pm, event time 1pm-5pm

Cost: \$35 (Pre-registration required). Cost will cover the use of UTM converted Pistols and Ammo.

***** NO LIVE FIREARMS OR AMMO PERMITTED INSIDE BUILDING *****

** Ladies will need to bring a pair of CLEAR wrap around eye protection. Prescription glasses must cover the eye socket.

CONTACT: Jane Cebulskie | ejane.cebulskie@gmail.com | 904-625-0339

Registration period closes June 16, 2018.

** Fees for cancellations after June 16th will be Non-Refundable.

Send registration form and check (Payable to GRPC) before June 16, 2018 to:

Jane Cebulskie
1850 Quaker Ridge Dr.
Green Cove Springs, Florida 32043

REGISTRATION

Last Name: _____ First Name: _____

Address: _____

Email: _____ Phone: _____

I am a Member of GRPC: ____ I am NOT a Member of GRPC: ____

Which group would you prefer? Morning: ____ Afternoon: ____

Registration is on a 1st come, 1st serve basis



Required reading!

When we get interested in shooting, whatever the age, there are phases we go through.

1. gun go bang! gun good!
2. why didn't I hit the target?
3. practice... get a little better... get on the internet...why no improvement?
4. slow down and pay attention
5. basics...slowly get better
6. sometimes...this isn't easy or fun, I'll go back to video games and so on... BUT, a lot of us, after getting a little better, want to know all about it.

That's where these two very different books come in.

One was written in 1935. That's the stone age, even for Boomers.

The other was written in 1973. That's the stone age for Gen X.

For Millennials, the stone age was approximately between Feb 18th and March 23rd, 2018.

Anyway here we go.

1. Hatcher's Notebook or formally Textbook of Pistols and Revolvers

This has been a very influential book. Julian Hatcher was a technical whiz for the Army and later the NRA, was responsible for a lot of what was known about shooting, pre WWII. The handgun wasn't a serious thing to the army and training wasn't a big deal. It was a weapon of last resort and was usually issued to officers and tank and artillery troops. The 30 carbine was the replacement for the .45 because .45s were too hard to shoot.

For civilians, except for target shooters, a handgun was a close up thing. Handgun hunting was done by few. Elmer Keith was the voice for those folks.

Hatcher called this a textbook and it is exactly that; organized like a textbook and giving information in an organized manner. It isn't dry though. The first section covers the guns. Most of these will be familiar to us. The only modern addition is the wonder nine and the Glock and it's descendents. The cartridges covered are familiar too. The 9mm and 45 along with the 38 special are by far the most popular. The .380 for pocket guns is covered, though in standard type guns.

Target and outdoorsman's guns; military and home defense and notes on accessories and technical info are there. The second section covers ammunition. Interior as well as exterior ballistics are covered as well as a description of the individual cartridges including factory loads, many including powders used.

The part of the books that is most read and argued about is at the end of this section "Bullet effects and Shocking Power" What this says is that if you want to be effective, just get a 45 and be done with it. He does go on about tests the army did to determine effects of shooting something, cows, pigs, ect. and comes up with a mathematical formula which worked to show these effects. mainly, bigger is better. I think the formula works, with what was available when this was written up until the 125 gr .357 mag hollowpoint showed up. Effective hollowpoints really became common only in the late 70s and even now, the debate and the development of truly effective 100% of the time hollowpoints is ongoing.
(cont. on page 8)

(“required reading”...from page 7)

The third section is how to shoot. Grip, stance etc. Covered are different grip techniques from formal, target to self defence. This is a good read because of the methodical depiction of the information. Every great shooter pays close attention to all aspects of grip and all, just like pro golfers.

The glaring omission is the two hand hold and variations. It hadn't been invented yet. I guess that's why it's a handgun and not a hands gun.

Anyway, what you get here is an appreciation of where we came from; the foundation of modern shooting.

2. The Accurate Rifle - 1973

Warren Page was one of the outdoors magazine gun editors, Jack O'Connor was his counterpoint at another. One of the things that set Warren Page apart was that he didn't just write about hunting but other more technical aspects too.

He was the driving force behind the .243 as well as the 7mm Rem Magnum. That alone makes him pretty hot stuff.

One thing that is a hot topic among shooters now is long range shooting. There was an article about Jarrets "Beanfield" rifles last month. Very impressive 300 mag shooting 1/2" groups out of the box. It costs \$8,000 plus but a 1/2" group guaranteed is something.

Monthly we see articles about shooting at a mile. WOW! Anyway, this is another example of something that grew out of traditional shooting contests of the past. What it has in common with Hatcher is the method of making progress is explained.

This starts with varmint hunters of the eastern states getting together to prove I can put bullets into a smaller hole than you can and the formation of modern bench rest shooting.

Guns, cartridges and loading techniques as well as bench shooting tips and an analysis of the factors which affect the group that is possible to shoot are covered. We don't have the facility to shoot real bench rest matches for a lot of reasons.

These are explained in this very readable book. He describes the advancement from post war to the 60's. The acceleration that reduced match winning scores by 1/2 by the 70's, and predicts, accurately, that the future would be unbelievable.

If you want to see how right he was, come out some morning and see what Don Hardemon is shooting. This is gee whiz stuff.

The methods used in this book have become a part of shooting today by a much broader bunch of shooters. There will always be the majority of gun enthusiasts who hunt but don't "shoot". Each year as summer wanes, they dig a rifle out of the closet, go to the range to see if it still shoots, and head for the woods for deer. There are also a lot of us who, after hunting season is over, come to the range regularly to get just a little better and to understand how this stuff works so you can be a better shooter.

Both of these books will be interesting and helpful.

Thanks for reading,
Bill King

2018 DIXIE NRA REGIONAL PISTOL CHAMPIONSHIP

With Civilian Marksmanship Program Service Pistol & .22 Rimfire E.I.C. Match and National Rifle Association Distinguished Revolver Match

Submitted by Sue Carter

The 2018 Dixie Matches were held at Gateway Rifle and Pistol Club, Jacksonville, FL on April 13th-15th, 2018. This annual National Rifle Association (NRA) Regional Precision Pistol Championship continues to be a highlight for many Florida Bullseye shooters and was also attended by military and civilian competitors from several different states. There were 59 shooters competing, the most in the past several years. On Friday and Saturday, the weather was near perfect, and although Sunday threatened all day, it did not start pouring rain until the last team service pistol match. Greg Markowski, a familiar competitor from the Army Marksmanship Unit (AMU) at Ft. Benning, Georgia, fired a 2650-139X to take "Top Gun" honors, winning the NRA Regional championship, and being named Dixie Match Champion. Coming in second, also from the AMU was Chris Hudock, firing a 2626-122X. Jason Hedrick, shooting for the Marine Forces Reserve, finished third with a 2624-120X. Winning the High Master Class was Tim Barber, a member of the SC National Guard, with a 2585-91X. Top shots in the Master Class (Service) was Joshua Kingery of the AMU with a 2578-91X and Master Class (Civilian) was Lee Fleming (Gloucester Point, VA) with a 2540-84X. Taking the Expert Class was Brian Reed (Callahan, FL) firing a 2527-65X. The high Sharpshooter/Marksman combined was Jonathan Welch (Mobile, AL) with a 2465-51X. Winning the .22 Caliber Only Aggregate was Marcella Price (Riverview, FL) with a 2416-33X. Special Category Awards for High Service and Open Division shooter went to Greg Markowski (Columbus, GA), High Civilian and High Veteran shooter was won by Wes Fleming (New Philadelphia, OH), High Senior shooter was won by Noel Burkhead (Gainesville, FL), High Women shooter went to Nadiya Taitague (Romoland, CA), High Grand Senior was won by Eddy Grove (Pasadena, MD). Winning the Metallic Division was Walker Buckman (Ft. Benning, GA).

The AMU won the overall team match (a combination of scores from the .22, Centerfire and .45 team matches) with combined total of 3436-125X. There were three Civilian 2-person teams entered, with the winning team from Accuracy X of Lee and Wes Fleming firing a score of 1676-52X. There were also three Civilian 2-person .22 Only teams entered, with the winning team of Stephen and Marcella Price firing a score of 1684-30X.

The NRA Distinguished Revolver Match had 21 shooters competing. Winning the match was Greg Markowski (Columbus, GA) firing a 282-7X, followed by Brian Reed (Callahan, FL) with a 266-7X and finishing third was Chris Hudock (Ft. Benning, GA) with a 266-6X. The CMP Service Pistol Match had 30 shooters, and was won by Greg Markowski with a 289-11X, followed by teammates Anthony Heinauer (Ft. Benning, GA) shooting a 286-8X and Jason Hedrick finishing third with a 280-6X. In only its fourth year of existence, the CMP's .22 Rimfire E.I.C. Match had 37 shooters competing. Winning the match was Greg Markowski with a 295-10X, followed by Tom Davis (Marietta, GA) shooting a 286-6X and Chris Hudock with a 285-12X.

New this year was the introduction of a 20 shot air pistol "fun" match and a closest to the center shot competition. The air pistol events were fired in the Bill Craig facility. Proceeds from the match were divided between top scoring competitors and Gateway's Junior program.

(cont. on page 10)

(2018 Dixie cont. from page 9)

The annual Dixie Match remains one of the best Bullseye matches in the southeast and continues to attract more shooters. There were several first-time shooters coming from all over Florida and one even as far as California. Match Director was Ted Carter and calling a superb line for all three days was Chief Range Officer John Michalski. Assisting John to ensure a well-run and safe line were Range Officers Marion Estes, David Poole, Larry Watkins and Matt Baygents. Robert Fanucci assisted as Jury Chairman. Recording and posting all scores were Chief Statistical Officer Sue Carter, assisted by Karen Davis. There were plenty of complements from the competitors on the excellent Bullseye facilities at Gateway and the friendly, professional and safety conscious staff.

Many thanks to all the competitors for their support, some driving hundreds of miles to attend the match. A special Thank You to Brownells Inc., Safariland, Starline Brass, Hornady, Midway USA, and Precision Target Pistol Grips for generously providing merchandise prizes for our match. Finally, a well earned thanks goes out to the Dixie match staff, the Gateway range officers, office staff and the range maintenance folks who made this another great shooting event. Planning has already begun on the 2019 Dixie Match and we're looking forward to another exciting competition.

For a complete listing of scores and plenty of match photos, please go to: <https://filssa.org/page-18131>



Winning Team - US Army Marksmanship Unit



Winning Two Person Team - Accuracy X



Winning Two Person - .22 Only Team - Team Price



Top Three Individuals

(L-R) 3rd Place - Jason Hedrick; 1st - Greg Markowski; 2nd - Chris Hudock



Ted Carter (Match Director) presents the Dixie Champion Trophy to Greg Markowski



by **Ted Carter**

President, Florida Sport Shooting Association

The Florida Sport Shooting Association or FSSA, is your state shooting association. The FSSA is pleased to have a number of Gateway Rifle and Pistol Club members as state association members and Gateway Rifle and Pistol Club as an affiliated club. For those of you who may not be members, I invite you to consider joining.

Formed in 1986 as a Not For Profit Corporation, the Florida Sport Shooting Association (FSSA) is Florida's National Rifle Association (NRA) state association. In addition to affiliation with the NRA, FSSA is also affiliated with the Civilian Marksmanship Program (CMP) and USA Shooting (USAS). We also coordinate with the Florida Sports Foundation to make available select shooting venues for the Sunshine State Games. The FSSA does not do any political lobbying, which allows our tax exempt status.

The FSSA strives to create a public sentiment of support for the individual possession of firearms by law-abiding citizens. We strongly encourage education and training in the use of firearms. An essential purpose of the FSSA is to encourage the proper organization, operation, and administration of member clubs; to promote and coordinate statewide activities related to the ownership and lawful use of firearms, and to cooperate with other organizations in the conservation of wildlife resources within the State of Florida.

Additionally, the FSSA fully supports and/or encourages:

- ✓ The constitutional rights of the individual American citizen to acquire, transport, possess, carry, and transfer ownership of arms.
- ✓ The promotion of recreational and sports shooting.
- ✓ The promotion and approval of State Championship Tournaments and the promotion of all other shooting Sectional and Regional Championships and other competitions.
- ✓ The acceptance of marksmanship as a major competitive sport in the State's publicly and privately endowed school systems, both secondary and collegiate.
- ✓ The promotion and defense of hunter safety training, hunting as a shooting sport, and conservation, as viable and necessary methods of fostering the propagation, growth, conservation and wise use of renewable wildlife and natural resources.

(cont...on Page 13)

The FSSA's website has a complete list of our Board members and discipline directors. These men and women give their time and expertise to support you and our other FSSA shooters. Their contact information can be found on the FSSA's website; <http://www.flssa.org/Contact>.

Please don't hesitate to contact me or any of our officers and directors with any questions or comments, or for any discipline specific information. We're here to serve our members and our member clubs.

I encourage you to check out the FSSA's website; <http://www.flssa.org>. Our Webmaster continues to be busy updating our FSSA website, making it more informative and easier to browse. For you Face Book users, check us out, and like us at Florida Sport Shooting Association.

Annual membership dues are just \$20.00. Our administrative costs are low, allowing a significant portion of our membership dues to actively support our junior shooting programs. FSSA has awarded grants to shooters attending the USA Shooting Junior Olympics in Colorado Springs, Colorado, and other types of shooting events. Additionally, FSSA helps fund select championship events in Florida, and support our state association teams at national and regional events. FSSA also supports programs that help encourage women to begin shooting. An example is the Ladies Day event at Gateway that hosted 70 women for a day of shooting and firearms safety training.

The FSSA Directors and I are excited about the Association's ability to continue to support and promote shooting events throughout Florida. We are also optimistic about expanding our grant programs to include more Juniors, helping them realize their shooting goals.

But we need your help.

Please consider joining or renewing your FSSA membership, or making a donation online. FSSA accepts online payments for membership dues, or you can download an application or pick one up in the club store and send it in. Your dues and tax deductible donations make it possible for the Association to continue to provide grants for our individual shooters, support state championships, and fund our teams during national championship events.

Thanks and good shooting!

Ted Carter
president@flssa.org

Tournament Schedule				Range Maintenance Schedule:	
<u>Match</u>	<u>Range</u>		<u>Time</u>		
Club 1800 Pistol	7	1st Sunday	0900-1200	Mondays	8 am-11 am 100 yd. Rifle Range
Smallbore Silhouette	4	4th Sat.	1000-1400	Tuesdays	8 am-11 am all Pistol Ranges
22 Rimfire Benchrest	4	1st Sat.	0800-1300	Wednesdays	8 am-11 am Silhouette Range
High Power XTC	3	2nd Sunday	0800-1100	Thursdays	8 am-11 am 200 yd. Rifle Range
Black Powder	4	2nd Sat.	0800	Fridays	8 am-11am all multi purpose ranges New 100 yard rifle range
High Power Rifle Prone	3	1 st Sat.	0800-1100		
NRA 1800 Bullseye	7	3rd Sunday	0900-1200		
Cowboy	5	4th Saturday	0900		

