



## Barre Sportsman's Club, Inc.

P.O. Box 111  
221 Spring Hill Road  
Barre, MA 01005

Clubhouse (978) 355-4643

President: Ed Pollock  
Vice President: Carl Silkey  
Treasurer: Janet Pierce  
Secretary: Warren (Jack) Farnham  
Bar Manager: Glenn Carter

### Board of Directors

Barry Peddle  
Ron Rich Jr.  
Norm Gemme  
Katie Caruso  
Vinnie Kotowski  
Mike Nobilini

Contact: [barresportsmansclub@gmail.com](mailto:barresportsmansclub@gmail.com)

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

### October 2017 'WCLSC Sportsmen's News' Submission, Barre Sportsmen's Club

#### Membership

Two new members were voted into the Club bringing the total to 141.

#### Outdoor Sporting Functions 2017 Season (POC contacts at the end of Newsletter)

Archery – Mondays at 6PM.

Range-Pistol – 3<sup>rd</sup> Friday of the month at 6PM

Range-22 Rifle – Tuesday at 6PM

Range-200 yard – Monday at 6PM

Sporting Clays – Currently no activity

Trap – Wednesday @ 7PM; Cost: \$4/rd for Members, 1 free rd/night for Jr. Members, then \$3/rd. 12ga and 20ga ammo. available for \$8/box.

#### Range Guidelines for Law Enforcement Agencies

Procedural changes have been drafted for Law Enforcement Agencies use of our Range. This has evolved as a result of inadequate Range housekeeping. It is hoped that this mandate will result in a cleaner Range for all to enjoy.

A Form will be provided to the Requestor representing the Law Enforcement Agency. This form is to be completed by the Firearms Instructor or Chief of Police and handed or mailed to the Club Secretary as follows;

Warren (Jack) Farnham

842 Daniel Shays Highway

New Salem, MA 0135

#### Annual Election of Club Officers

The Annual Club Election was held with only 35 members that signed the roster. The results were as follows;

President:	Ed Pollock	Ron Rich	BOD (2019)
Vice President:	Carl Silkey (returning)	Barry Peddle	BOD (2018)
Treasurer:	Janet Pierce	Norm Gemme	BOD (2018)
Secretary:	Warren (Jack) Farnham	Vinnie Kotowski	BOD (2020)
Bar Manager:	Glenn Carter	Mike Nobilini	BOD (2020)
		Katie Caruso	BOD (2018)

#### Capital Committee

A new Committee will be formed and chaired by Janet Pierce. This committee will be charged with formulating a 'comprehensive long-range plan' for capital expenditures. Any Member interested in making a commitment should speak to Janet (sooner rather than later).

#### Fall Hunters Kick-Off

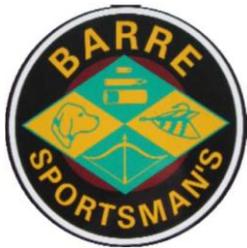
Saturday, October 6 starting at 6PM. I am sure John (Fig) Neri would love kitchen helpers plus assistance is always needed for setup.

#### Youth Pheasant Hunt

Scheduled for Saturday, October at 9AM. If interested in participation and helping; contact Chris Duggan (978-895-6521)

## Club News and Up Coming Club Events

### 2017 Annual Fall Hunter's Kick-Off



## **THIS IS IT ... THE FINAL COUNTDOWN DO YOU HAVE YOUR TICKETS?**



**Saturday, October 7, 2017, 6:00PM  
@ the Barre Sportsman's Club  
221 Springhill Road, Barre, MA**

### **THE 2016 EVENT WAS THE LARGEST YET**

\*\*\*\*\* Each ticket holder will be entitled to a FREE meal \*\*\*\*\*

Tickets are available for sale. Only 1000 tickets are to be sold. Additionally, there will be the 'Tin Can' raffle as in past years.

Those who attended our previous Fall Hunter's Kick-off raffles can attest to the magnitude and quality of this annual event. This year will not disappoint. **Rob & Meridith always manages to surprise us!**

POC's for this event are: Rob Deschenes and Meridith Young. Tickets will be available through any Club members after April 6<sup>th</sup>. Contact Meridith regarding how-to get tickets at (978) 434-7932 (cell)

### \*\*\*\*\* THIS YEARS PRIZES \*\*\*\*\*

Benelli Super Black Eagle III Gore Optifade Waterfowl Timber 12ga.  
Benelli Montefeltro 20 ga Walnut finish  
Benelli R1 rifle 30-06 Comfortech Stock Realtree  
Benelli Nova Comfort Tech 12ga Realtree Max 5  
CZ Bob White 20 ga  
Mossberg Silver Reserve 20ga o/u  
Savage Model 220 / 20ga bolt action shotgun Realtree  
Mossberg Duck Commander 500 / 12ga Realtree Max 5 Treated barrel  
Henry Golden Boy 17 HMR  
Savage Model II Predator w/Nikon Scope, Snow Camo  
Ruger American .270 Win w/scope  
Remington 870 Youth 410 shotgun wood / blued  
Ruger American American Farmer Addition  
Parker Enforcer Crossbow Package  
Diamond Provider Package

=== **GET YOUR TICKETS EARLY TO AVOID SELL-OUT** ===

Thanks to:

Old Glory Guns & Ammo, Mason, NH  
Minute Man Armory, Templeton, MA  
Buck Rub Sporting Goods, Orange, MA  
Also a special Thanks to: Neri Painting

### Youth Archery Training

Vinnie Kotowski reported a successful 5 day program. There is anticipation that this program will continue in 2018.

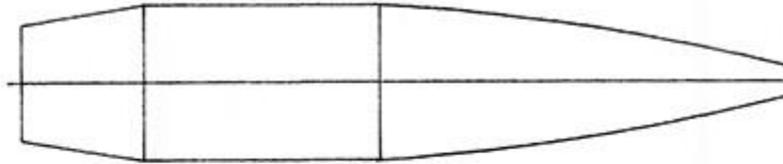
### 'Harvey' Relief Effort

The Club Membership voted to donate \$100 for relief efforts through Wal-Mart who will match what we have donated.

**Fall Activity Reminders** – (Members are reminded to check the Club Calendar for dates & time)

- October ... Fall Hunter's KickOff
- October ... Youth Pheasant Hunt
- November ... Turkey Shoot
- December ... Children' Christmas Party
- December ... NO Club Meeting (most likely)

**The Reloading Corner**



6MM VLD1	RADIUS OF OGIVAL CURVE, CALIBERS:15.00
BULLET DIAMETER, INCH:.243	CENTER FOR OGIVAL RADIUS, INCHES:
BULLET LENGTH, INCHES:1.215	AHEAD OF BASE:0.343
BOATTAIL LENGTH, INCH:.195	BELOW CENTRAL AXIS:-3.517
BOATTAIL ANGLE, DEG: 9.0	SCALE: 5 / 1 DWG. NR: 12200SD
AXIAL LENGTH OF OGIVE, INCH:.650	DATE: 12/20/85 REV: NONE
LENGTH OF BEARING, INCH:.370	DRAWN BY: WCD JR
MEPLAT DIAMETER, INCH:.045	TIOGA ENGINEERING COMPANY
APPROX WEIGHT, GRAINS:105	13 CONE STREET
	WELLSBORO, PA 16901

AMMUNITION, RELOADING, RELOADING CORNER

## ALL ABOUT BALLISTIC COEFFICIENT

The following is a specially-adapted excerpt from the book *Handloading For Competition*, by Glen Zediker. Visit [BuyZedikerBooks.com](http://BuyZedikerBooks.com) for more.

by Glen Zediker

A "ballistic coefficient," or "BC," is a number that reflects on the aerodynamic performance of a bullet, how well it flies.

I was explaining BC to a fellow once and after talking through all the technical language he said, "So, it'll hit furtherer on up the hill...." Exactly.

It's actually a comparison, and that gets explained first. Here's how it works: There are "standard" bullets that are mathematical models. Workaday ballisticians know which model to apply to different bullet styles. For most rifle bullets we'll encounter, one model is a "G1" (there are other models, like G7). The flight of this bullet has been calculated at varying velocities and distances. Pistol bullets, for example, are calculated from or compared to different standard bullet models.

The standard bullet, and, again, let's say that's a G1, has a BC of 1.000. An actual bullet that's compared to the G1 at points, distances downrange, will either be flying faster or slower than the G1. If it's faster, its BC will be 1.000+; if it's slower, it will be 1.000- (fractional).

Comparing bullets with different BCs, the one with the higher number will lose less speed over distance. Losing less speed means its flight time will be shorter and it won't drift and drop as much as a bullet with a lower BC. So, a 0.600 flies better than a 0.550. So: the higher the BC, the less speed lost over distance. That's it.



The author had a question from a Midsouth reader regarding ballistic coefficient, so here's his answer: Perhaps even more important than a high ballistic coefficient is BC uniformity in a box of bullets. Bullets that demonstrate uniform BC performance will produce less elevation dispersion.

Published or stated BCs are either calculated or measured, depending on the maker's policy. More mathematics than I can wrap my mind around can get these calculations done based on a bullet's blueprint. Measured BCs involve chronographing at the muzzle and then at other points on downrange, same bullet, same flight. There's a good question as to which provides the best information. Some logic applied suggests that, without question, a measured BC is more "real world" and therefore more valuable. On the other hand, if the point is to compare bullets, then calculated BCs might be more reliable. One point, however, is that the relationship between measured BCs and calculated BCs is that measured are usually lower...but not always. Reasons for that follow.

All the drift and drop tables (whether printed or digital) you'll see are based on a bullet's BC. And, the accuracy of those tables clearly revolves around what the actual BC performance of the bullet you're shooting is.

So what affects the actual, realized BC of a bullet? A lot of things... Anything that can influence bullet flight influences BC realization. Bullet stability has the lead, though. For a supposed BC to be realized, the bullet has to be "asleep." If it's not stable, it's encountering disruptions that will slow it down. I don't know many who have had much luck running BC tests "at home." That's a logistics issue with chronographs, as could be imagined. Those, however, who have successfully done their own BC testing learn a lot. One, for instance, is that even the rotational speed of a bullet in a test can influence BC. Comparing the same bullet through a 1-8 and a 1-7.5 twist barrel, the 1-8 likely will net a higher BC. The extra revs per second from the faster twist are the likely cause. Easy enough to imagine: 1000-yard BC tests are more revealing than are 500-yard tests.



There will be variations in any box of hollowpoint match-style bullets, and a source for variation is the meplat (tip). Variations are an unavoidable result of the pointing-up process in manufacture. I've measured as much as 0.020 inches in a box. A "meplat

uniformer” strives to eliminate this variance. Uniforming reduces the BC a scant few points, but it’s a trade many serious long-range shooters say is worth the effort. Uniformed on left.

Atmospherics, which can be a long list of factors, influence BC mightily. Air density is probably the most powerful influence here. Any conditions that allow for easier passage of a bullet through the air don’t detract as much from its BC as any conditions that do serve to impede its flight. A BC, which is based on sea-level air density, can easily show itself as a higher number at 2000 feet above sea level.

Reality is that the demonstrated BC changes from morning to afternoon and day to day and place to place. The calculated BC is not changing, of course, but the mistake is assuming that a BC is some “set” or finite measure of bullet performance. If you’re interested, there’s some valuable information from David Tubb (visit DavidTubb.com). He’s done a volume of work on calculating influences from atmospheric as it applies to his DTR project, which, in one way of seeing it, gets down to understanding why it’s really rare to dial in what a ballistics table says for a particular bullet and speed and distance, and hit the target.

One last bit of information I’ve always found interesting is that a BC is a finite thing, whether the bullet at hand is going to show it or not. Any BC derived from a G1 model, for instance, fits all bullets with that same BC. This was helpful before ballistics apps were as common and easy as they are now. For instance, if there was a new .224-caliber bullet with an advertised BC, but no tables, just find another bullet, of any caliber, with that same BC, plug in the velocity, and the drift and drop figures would be accurate. It doesn’t matter if the other bullet was a .308 or .277 or whatever else.

### **RANGE HOUSEKEEPING**

As a friendly reminder ... Leave the Range *‘Better Than You Found It’*. This includes picking up your spent cases, replacing your target frames and discarding any waste in the barrel provided.

### **Other Club Reminders**

- The **Entrance Gate Lock** has changed BUT the code to unlock it remains the same.
- The updated membership cards should be available at the July Club meeting.
- **Crowd Control Manager(s) are required by Mass Law for ALL indoor Club functions.** All members are urged to go online to take this 30 minute course to get certified as a Crowd Control Manager. The Website address is <http://public.eopsslearning.com/> and click on the DFS-Crowd Manager Training.
- When you leave the property; PLEASE close the gate & lock the new combination lock.
- NO ALCOHOL IS ALLOWED TO BE BROUGHT ONTO THE PREMISES AT ANY TIME – this is NOT a club rule but is a STATE LAW due to our liquor license.
- Please ‘POLICE’ the range after use to clean up your cartridges/shells.
- By-Laws are available online.

## BARRE SPORTSMAN'S CLUB

### 2017 EVENT & FUNCTION CALENDAR

*NOTE: The dates in italic have NOT been confirmed by the POC*

#### SEPTEMBER

Thursday, 1<sup>st</sup> - Club Meeting @ 7:30PM ... Annual Installation of Club Officers  
BOD Meeting - TBA  
Saturday, 9<sup>th</sup> - Fall Club Grounds Spruce-Up  
Sunday, 10<sup>th</sup> - Clambake, 11:00AM, POC: John (Fig) Neri  
Saturday, 30<sup>th</sup> - Massachusetts Youth Deer Hunt , POC: Rick French  
Friends of the NRA Banquet (details when they become available)

#### OCTOBER

Thursday, 5<sup>th</sup> - Club Meeting @ 7:30PM  
BOD Meeting - TBA  
*Saturday, October 7<sup>th</sup> - Fall Hunter's Kickoff & Gun Raffle, 6PM, POC's: Rob Deschenes & Meridith Young*  
Saturday, 28<sup>th</sup> - Youth Pheasant Hunt, 9:00AM, POC: Chris Duggan

#### NOVEMBER

Thursday, 2<sup>nd</sup> - Club Meeting @ 7:30PM  
BOD Meeting - TBA  
Sunday, 12<sup>th</sup> - Turkey Shoot, 10:00AM, POC: Janet Pierce

#### DECEMBER

NO Club Meeting this month, resume in January 2018  
NO BOD Meeting this month, resume in January 2018  
Sunday, 3<sup>rd</sup> - Children's Christmas Party, 1:00PM, POC: Dave Fleming

#### **OTHER POCs for Sporting Functions:**

**Archery** – POC: John (Fig) Neri (978) 857-8202 (cell)  
Mondays at 6PM (~April to Oct.) [\$20/month covers a steak dinner]

**Pistol Shoot** – POC: Bert DuVernay (413) 477-6529 (H) and (413) 575-3330 (cell)  
3<sup>rd</sup> Friday at 6pm until time change [no cost]

**22LR Shoot** – POC: Tony Pitisci (978) 355-4474

**200 Yard Rifle** – POC: Peter Stalker (978) 928-5223, Mondays at 6pm until dark

**Sporting Clays** – POC: (looking for volunteer(s) to fill this position)

**Trap** – POC: Mike Noblini (508) 889-7839 (cell)  
Wednesday at 7PM (mid April-November, weather permitting)  
Members – \$4/rd. Junior Members – 1 free rd./night then \$3/rd.  
12ga. & 20ga. ammo available @ 8/box [no meal]

**(CHECK WEBSITE FOR ADDITIONAL INFORMATION)**