



Barre Sportsman's Club, Inc.

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

Clubhouse (978) 355-4643

Contact: barresportsmansclub@gmail.com

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

www.barresportsmansclub.org

Board of Directors

Barry Peddle
Edward Pollack
Ron Rich Jr.
Herm Eck
Steve Di Silvestro
Norm Gemme

May 2017 'WCLSC Sportsmen's News' Submission, Barre Sportsmen's Club

Membership

The Club welcomed Derek Pierce of Warren, MA and Frank Pierce of Wheelwright, MA to the Club Membership. Currently the Membership is 151 with 24 open slots.

REMINDER: 2017 Annual Dues can be paid early BUT are due NO LATER than April 30th

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.

Annual Membership Fee Schedule:

NEW MEMBERSHIP: \$150 (includes a one-time initiation fee)

REGULAR MEMBERSHIP: \$120

SENIOR (age 65 and older) MEMBERSHIP: \$60

LIFE MEMBERSHIP: \$1000 (nonrefundable)

ACTIVE MILITARY MEMBERSHIP: FREE

JUNIOR MEMBERSHIP: \$5 each

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

Archery - Monday, May 15th at 6PM.

Pistol - Saturday, May 20th at 9:00AM

Trap - Mid April, Wednesday @ 7PM (check with POC). Cost: \$4/rd for Members, 1 free rd/night for Jr.

Members, then \$3/rd. 12ga and 20ga ammo available for #8/box. (POC: Mike

ALL other Sporting Functions to begin the 2017 Season soon. Watch the Newsletter for start-up dates & times.

Up-Coming Club Events

- 1) The Annual Sportsmen Challenge is slated for Sunday, May 21st for more info call POC:Fig (see contact info at the end of this Newsletter/
- 2) The Capital Projects Committee has identified three (3) key Capital Projects that will be addressed first. They were passed by a vote of the Members present. These projects are as follows:
 - Range roof (includes replacing deteriorated poles and painting the roof)
 - Replace / relocate the BBQ pit away from the Club House. The plans are to increase its size as well.
 - Replace the gate lock with a more dependable one.
- 3) Any Member that is interested in becoming a BSC Representative to the Worcester County League of Sportsman's Club (WCLSC) please see one of the Club Officers.

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



2017 Annual Fall Hunter's Kick-Off

TICKETS ARE NOW AVAILABLE

**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 will be available for sale on April 6th. 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!** Stay tune for more details as they become available.

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

***** THIS YEARS PRIZES *****

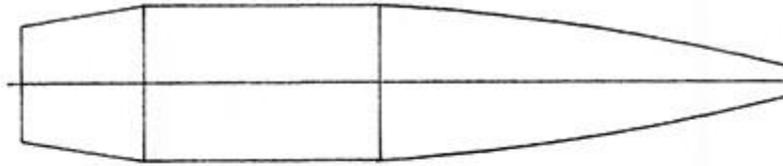
Benelli Super Black Eagle III Gore Optifade Waterfowl Timber 12ga.
Benelli Montefeltro 20 ga Walnut finish
Benelli R1 rifle 30-06 Comfortech Stock Realtree
Benelli Nova Comfort Tech 12ga Realtree Max 5
CZ Bob White 20 ga
Mossberg Silver Reserve 20ga o/u
Savage Model 220 / 20ga bolt action shotgun Realtree
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
Buck Rub Sporting Goods, Orange, MA
Also a special Thanks to: Neri Painting

The Reloading Corner



6MM VLD1

BULLET DIAMETER, INCH:.243
BULLET LENGTH, INCHES:1.215
BOATTAIL LENGTH, INCH:.195
BOATTAIL ANGLE, DEG: 9.0
AXIAL LENGTH OF OGIVE, INCH:.650
LENGTH OF BEARING, INCH:.370
MEPLAT DIAMETER, INCH:.045
APPROX WEIGHT, GRAINS:105

RADIUS OF OGIVAL CURVE, CALIBERS:15.00
CENTER FOR OGIVAL RADIUS, INCHES:
AHEAD OF BASE:0.343
BELOW CENTRAL AXIS:-3.517
SCALE: 5 / 1 DWG. NR: 122005D
DATE: 12/20/85 REV: NONE
DRAWN BY: WCD JR

TIOGA ENGINEERING COMPANY
13 CONE STREET
WELLSBORO, PA 16901

AMMUNITION, RELOADING, RELOADING CORNER

ALL ABOUT BALLISTIC COEFFICIENT

JUNE 22, 2016 11 COMMENTS

The following is a specially-adapted excerpt from the book *Handloading For Competition*, by Glen Zediker. Visit 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.

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

MAY

Thursday, 4th - Club Meeting @ 7:30PM

BOD Meeting - TBA

Sunday, 21st - Sportsman’s Challenge, All Day, POC: John (Fig) Neri

JUNE

Thursday, 1st - Club Meeting @ 7:30PM

BOD Meeting - TBA

JULY

Thursday, 6th - Club Meeting @ 7:30PM

Friday, July 14th Vintagers

BOD Meeting - TBA

AUGUST

Thursday, 4th - Club Meeting @ 7:30PM

BOD Meeting - TBA

SEPTEMBER

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

OCTOBER

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

NOVEMBER

Thursday, 2nd - Club Meeting @ 7:30PM
BOD Meeting - TBA
Sunday, 12th - 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, 3rd - 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)
3rd 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)