



## Barre Sportsman's Club, Inc.

### Board of Directors

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

President: Ed Pollock Barry Peddle

Vice President: Carl Silkey Ron Rich Jr.

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Secretary: Warren (Jack) Farnham

Norm Gemme

Katie Caruso

Clubhouse (978) 355-4643 Bar Manager: Glenn Carter Vinnie Kotowski

Mike Nobilini

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

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

#### Membership

Club membership stands at 142 members with 33 vacancies.

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

Archery – 2017 Season has ended.

Range-Pistol – Fall/Winter schedule is in effect. Call POC: Bert for times

Range-22 Rifle – 2017 Season has ended.

Range-200 yard – 2017 Season has ended.

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

#### Youth Pheasant Hunt

A special '**Thank You**' to Janet and Brian Pierce and Mike Wood for their \$100 donation each in support of this activity. Scheduled for Saturday, October at 9AM. If interested in participation and helping; contact Chris Duggan (978-895-6521). This year 20-30 Pheasants and some Quail will be released.

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

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

New BBQ Pit – There was a good turn-out for the September's Spruce-up Day. Work on the new BBQ Pit has been completed.

Turkey Shoot – \*\*\* Date Change \*\*\* Sunday, November 19 @ 10AM.

## The Reloading Corner

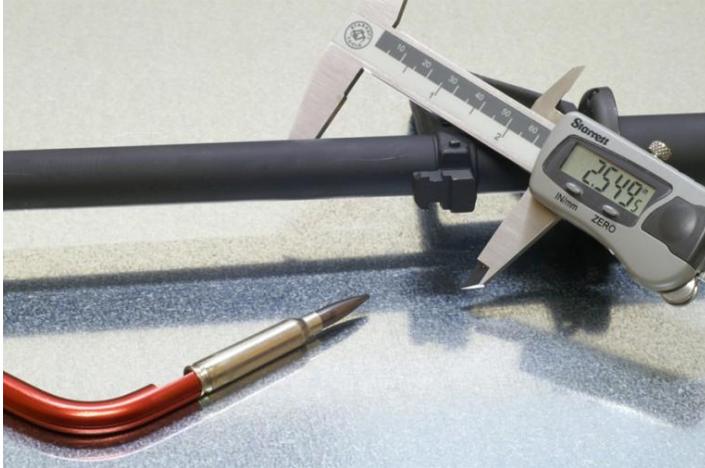
# DEAD-LENGTH BULLET SEATING

*The following is a specially adapted excerpt from the forthcoming book **Top-Grade Ammo** by Glen Zediker and Zediker Publishing. Now, it's just around the corner... BuyZedikerBooks.com for details.*

by Glen Zediker

Last time I showed a couple of valuable tools: the Hornady LNL O.A.L. Gauge and the LNL Comparator. The first showed the bullet seating depth that touches the lands, and the other gave a more accurate way to measure. Now for a few ideas on how to use this newfound information.

“Dead-length” sounds pretty ominous, and it is, or can be. Again: that is the cartridge overall length that has a bullet touching the lands when the round is chambered.



*Hornady LNL O.A.L. Gauge, and why to use it: these three .224 Sierra 80-grain MatchKings are seated to touch the lands in three different barrel chambers. You need to know the overall length if you want to experiment with this tactic.*



This tactic is well (very well) proven to promote accuracy. Usually. The overall idea is to introduce a bullet dead straight into the bore. Entry will be smoother. This is also an asset to concentricity, or centeredness. If not touching the lands, scooting a bullet out to be very near the lands helps, usually, and it's a near-requirement for some bullets. The reason is pretty clear: the shorter distance the bullet has to “jump” before it engages the lands and enters the bore, the less can go wrong. Off-centeredness may then be less a factor over a shorter distance. The bullet is already in-line with the bore, and that overcomes any small alignment imperfections that might exist elsewhere in the round. Gravity also factors in, even in that

short gap.

Dead-length seating is not the same as “soft-seating.” You’ll encounter that term. Soft-seating is sizing the case neck inside diameter to just barely less than the bullet diameter, and the idea is to have the bullet “out” and then let contact with the lands finish the seating the bullet into the case neck as the bolt closes. That requires very light case neck “tension” (less than 0.001 difference). Bolt-actions only! This eliminates the effects of any bullet dimensional issues. I’m not recommending this, but there it is. Pressure cautions are increased with this tactic! It’s common for soft-seating to engage into the lands by 0.010-0.020. So now you know...



2 My experience has been that once it gets past 0.010, more jump doesn't really make any difference. I see the biggest improvements (if I see them) when it's reduced to 0.005 or less. That sort of reduction is not often possible when loading to cartridge overall lengths that fit into a box magazine. However, there are some 52-grain-range .224 bullets that have to be seated more deeply than the generally-accepted 2.260-inch mag-length maximum for an AR-15. Hornady's 52-grain HPBT for one. This bullet will be 0.020 into the lands, or more, at 2.260 inches. There are other similar bullets that will do the same: contact the lands at a cartridge overall length less than the magazine allows.

Generally, the longer and spikier a bullet is (secant-style ogive, high-caliber-radius), the more likely it will be to perform best starting nearer the lands. For good example, although it's contrary to some others' experience, I have yet to get good accuracy from any of the true "VLD" (Very Low Drag) bullets until they get on the lands. Same goes with others similar, like the Hornady A-Max; those are more tolerant of jump, but don't like much of it.

Three things:

One — first, foremost, always — this tactic will raise pressure! There's nothing to worry about here until the bullet actually gets on the lands. Going from "near" to "on" is a huge difference! The reason is the loss of space for burning gases to occupy, release been delayed because the bullet is working as a plug from the get-go. Reduce any load one full grain! Work it up from there. It might end up being more like a half-grain, but it will at the very least be that much difference. That's significant.

Two is that approaching dead-length isn't usually possible on any but single-loaded rounds (not fed from a magazine). This also goes for bolt-actions (and, honestly, I really only recommend this tactic for bolt-guns). Just depends on the space available for the rounds at rest: magazine length. For my ARs I do it only with "long" bullets used for the "slow-fire" portions of a rifle tournament (rounds must be fed singly). (With one exception, shown nearby...)

Three is that it's going to change. As the rifle throat erodes it advances, distance to the lands gets longer, so what was "touching" some-hundred rounds ago is no longer "touching" now. Certainly, that varies with the cartridge, and will lengthen faster with a .243 Win. than it will with a .308 Win. Get the OAL tool, keep up with it, and it's easy. However! The load is also changing, a little bit, each time the bullet moves forward, and that can influence velocity and zero.

It's a lot to keep up with.

Make sure there is adequate bullet retention (diameter difference between bullet diameter and case neck inside diameter, go a good 0.003 inches). Can't have the bullets jumping forward (inertia-induced). If, for example, you're loading to give 0.002 hold-off, that little gap can get taken up easily and then, if the bullet gets on the lands, there's a pressure spike. Goodbye primer!



*Here's a couple of purpose-built loads for 100- and 200-yard "reduced" High Power Rifle courses. It's a .222 Rem. with a chamber built around one bullet: Bart's 52-grain flat-base. The whole idea was to create an "ideal" round structure where jump could be eliminated entirely. The author had it throated at 0.150 shorter than cartridge overall length that touched the lands at the magazine length limit; 0.150 throat erosion is where the author rebarrels. The author chose .222 Rem. because it's well more accurate than .223 Rem. There's also a long case neck, and no donut, ever, to contend with. It's the most purely accurate AR-15*

*the author has owned. It's a solid 1/8-minute-of-angle gun, but its little world of dominance border is 250 yards.*



### **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.eopsselearning.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*

**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)**