

ORSA RIFLE AND PISTOL CLUB

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ORSA R&P WELCOMES NEW PRESIDENT

By Tracey Tjon

Due to work hours and related travel demands, Mike Glasman has stepped down as president. The R&P club board unanimously voted in Bill Phelps as his replacement on 21-SEP-2017.

Bill Phelps graduated from the University of Tennessee in 1979. He then enlisted in the US Army and was shortly thereafter commissioned a second lieutenant in the Infantry. Upon graduation from Ranger School, Airborne, and several other schools, he embarked on a phenomenal journey lasting over 27 years. During Bill's Army tenure, he experienced the honor of serving with and leading thousands of great Americans dedicated to defending the freedoms of our wonderful country. His service took him across the US and to several third world "garden spots," including the Middle East, Haiti, Central America and Colombia. Bill retired from the Army in 2006 at the rank of Colonel and went to work under contract with General Dynamics in Norfolk, VA. There, he was tasked with teaching mid to senior-level Navy Officers how to plan, oversee and execute complex military operations while serving on joint task forces in the US and overseas. He "fully" retired in 2012, returning to Powell, Tennessee with his wife of 35 years. Bill has one son, who is a Master Sergeant in the US Air Force, one grandson, and four granddaughters.



Please join me in welcoming Bill in his new role. There are a lot of great plans on the horizon, so stayed tuned and make sure you catch our newest column "The President's Corner" (last page) each month to find out what is currently in the hopper.

ANNEALING BASICS – PART 2

By Mike Glasman (see Aug-2017 newsletter for Part 1)

Part of the journey towards being "Best in Class" as a club is providing technical information for you to make informed decisions that will aid you in success. Last time, we covered what happens and changes when brass cases are fired and re-sized. We covered needed concepts to help you understand why brass has limited life with respect to performance and longevity.

To review — annealing rifle brass at 750°F for a second or two in the neck area where the bullet is seated, slightly lowers the strength of the brass and improves its ductility. This provides more consistent neck tension

from case-to-case, improves accuracy, and improves case life with respect to neck splitting. Annealing should not be performed below the shoulder of the case because this weakens the case where it needs to be the strongest.

Before starting with how to anneal, let's dispel some common myths:

- "I anneal until the color changes from shiny to slightly red in a darkened room." WRONG. You exceeded 900°F and have ruined the brass because it's now past being able to maintain neck tension. Grain growth has occurred in the material, and it's not possible to recover from that condition.
- "I put heat on the brass until the color changes from shiny to bluish." NOPE. The color change is due to oxidation and/or a reaction that occurs with contaminants on the surface of the hot brass and room air. This is not an indication of temperature.
- "I use an infrared gun to measure temperature." Well, unless you have a very sophisticated infrared measurement instrument that can isolate a small target such as a brass case, this is not a reliable way to measure temperature. Not to mention, you need to know the emissivity of hot, oxidized brass for accurate infrared temperature measurement. You will need to do a lot of work to qualify your measurement methods, and you can't use it with propane-fired machines.



Tempilaq Part #24423

TIP OF THE MONTH

IT'S JUST A SLING

I feel there are only two things more important to a rifle shooter than a sling; these are the gun and ammo! The service rifle sling is often underrated or even misused. If you are reading this article you have probably used a service rifle sling in one way or another. The best way to learn how to correctly put a sling on a rifle is to...

www.odcmp.org/1006/default.asp?page=USAMU_SLING

Unfortunately, none of the above common ideas provide an accurate, reliable, or repeatable means of measuring temperature. Accurate, consistent heating is the key to successful annealing.

Now that you know what not to do for temperature measurement, let's discuss the preferred method. As indicated in part 1, it's vital that you achieve the proper annealing temperature, otherwise, annealing transformation will not occur, or you will over-anneal and irretrievably ruin the brass.

The best way to measure temperature for our purposes is with a product called Tempilaq. This is a paint containing a substance that melts at a given temperature and is available at Brownells or other common places like Amazon. Since we need to anneal at 750°F, this product achieves this. This is affordable, accurate, simple, reliable, and a time-tested method of temperature indication for this kind of application.

I have relied on these products in my professional life for

determining pre-and post-weld heat treatment for nuclear welding and other related heat treatments. This product has always performed in a certifiable manner.

That's it for Part 2, so stayed tuned for Part 3 where I will discuss annealing machines. If you have questions, contact me at orsatime@gmail.com.

TO SCOPE OR NOT TO SCOPE?

By Alan Strachn

As I walked to the pits at the relay change during the President's 100, I was thinking how a conversation with Master Yoda might go, should I have told him I shot a "6" offhand. I figure it would go something like this:

Me: “Master Yoda, I shot a 6 offhand today.”

Master Yoda: “A 6 you say; pulled the trigger you must?”

Me: “No Master; as you instructed, I was applying more pressure to the trigger as the front sight settled and suddenly the wobble appeared from nowhere. By then it was too late and the trigger broke.”

Master Yoda: “Troubling this is. On this I shall give great thought.”

Well, I gave it great thought, and I was probably lucky it was a “6”; because when the rifle surprisingly recoiled, my first thought was I had just shot a “miss”. This scope thing is harder than I expected. Maybe I should have started with it at the beginning of the season (as Randy Booker had strongly suggested) rather than one month before I needed to perform well. The more one tries to hold the rifle crosshair in the center, the more one starts chasing the wobble, and the worse the wobble becomes. By then, the only remedy is to put the rifle down and start over. (Oh, and would someone please explain why any manufacturer would build a “service rifle” scope and have the knobs adjust the direction of the bullet opposite of the direction of every US Service Rifle manufactured since the adoption of the '03 Springfield? Come on!!)

As you have probably ascertained, my President’s 100 did not go as I had planned, but it was still a great day. This was the first time I had seen the targets at Camp Perry so clearly in years. All my misplaced shots were of my own making and not from being unable to see the target or the front post. So, am I now a big fan of a scope? Absolutely not; give me the simplicity of iron sights any day. Is the ability to see a good tradeoff for all the problems a scope can create? This is an astounding yes. If your vision is less than perfect, go for the scope; you will never regret the move. I have not had this much fun shooting in years, but I miss my irons.

So, is the scope going to make you a better marksman? No, I do not think so. You are still going to have the same amount of wobble, the same issues with position, trigger control, follow through, and most of the other issues facing every shooter. In addition, you will have the varying eye relief between positions, parallax, the height of the scope mount, and several more. What the scope will do is allow you to shoot at the peak of your ability, because you will be able to see; which is fantastic to those of us with aging eyes. Instead of concentrating so hard on trying to see the front post, the concentration can be back on shooting the rifle, estimating the wind, and all the other stuff that had taken a back seat to being able to see.

Now the question becomes which brand of scope, fixed or variable magnification, which reticle, which mount or rings? There are so many from which to choose. To me, this is a Ford vs Chevy discussion. Everyone has their favorite based on some logic, but any scope is going to allow you to see better than the naked eye. I recommend not getting hung up on brand or price without looking through everyone’s rifle on the range first. So how did I choose the scope I am shooting? Mine was chosen based on experience from the years I shot Palma; 800, 900, and 1000 yards with a .308 bolt rifle with aperture sights and 1000 yard with my scoped 6.5 x .284. With aperture sights, one sees a round bullseye inside of the round front aperture which is inside of the round rear aperture; or expressed differently, circle inside a circle inside a circle. Remember this one rule. Instinctively, the eye will try to center an object inside of a circle. Also, the scope I shot at 1000 yards had a dot reticle; this time circle (dot) on a circle (round bullseye). Anyone starting to see a pattern forming? To me, circles on circles or circles inside of circles have always been easier to align correctly than a crosshair on a circle. The crosshair simply requires too much effort to verify it is in the center of a bullseye. As you can see, my first requirement was a reticle which

KUDOS

This month’s Kudos must go to all the workers that made the 23-SEP CMP rifle clinic so successful. We had 18 new shooters and 15 volunteers. Thank you all for your dedication. We continue to tweak the schedule each time we run these clinics, and we are getting very close to a great new format for enabling a safe, smooth experience. Please be thinking about how you can help for next year’s clinics (two in the spring and one in the fall). See Gerald for \$10 in Bill Bucks if you signed up to volunteer in advance.

incorporated a circle or a dot. To me, this was just natural. The next requirement was target turrets, and from there everything was negotiable. Using this criterion, I could find scopes starting as low as \$175.

Whatever your requirements, scopes can be fun, scopes can create problems, and scopes do not have to cost more than your rifle. I suggest buying one, go to the range, and start shooting. In conclusion, I will revert to Master Yoda to answer, “Do. Or do not. There is no try.”

CONTACT US

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Executive Officer - Tracey Tjon
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UPCOMING EVENTS

October-2017

05-08-Oct -> Big Ed's Memorial HP Tournament; <http://orsarandp.com/big-eds-memorial-hp-rifle-tournament/>
07-Oct -> Air Rifle Sniper League ID 10 AM; Dave Arney, bigarney@gmail.com
07-Oct -> ARBA Rimfire Benchrest 8 AM; James Carroll, danaaudio@comcast.net
08-Oct -> ARA Rimfire Benchrest 8 AM; James Carroll, danaaudio@comcast.net
08-Oct -> CMP EIC Match CH 8 AM; <http://orsarandp.com/cmp-eic-rifle-match/>
14-Oct -> Smallbore Match ID 8AM; <http://orsarandp.com/prone-match-program/>
15-Oct -> NRA LR Prone Match HP 8 AM; <http://orsarandp.com/nra-lr-prone-matches/>
15-Oct -> Bullseye Pistol Match; ID 9 AM – 2 PM; Robert Carden, cardenre@aol.com
22-Oct -> Mini Palma ID 12 PM; Thomas Colyer precisionwelding01@comcast.net
28-Oct -> CMP GSM Games CH 8 AM; <http://orsarandp.com/cmp-games-gsm-matches/>
29-Oct -> Air Rifle Sniper League ID 10 AM; Dave Arney, bigarney@gmail.com
29-Oct -> CMP Vintage Sniper Match CH 8 AM; <http://orsarandp.com/cmp-games-vintage-sniper-matches/>
29-Oct -> M1 Carbine Match 1 PM; <http://orsarandp.com/cmp-carbine-matches/>

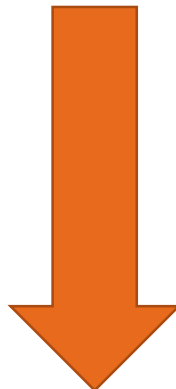
November-2017

04-Nov -> Vintage BPC Turkey Shoot HP 200, CH 8 AM; Ron Nurse, ron2506jet@yahoo.com
04-Nov -> Air Rifle Sniper League ID 10 AM; Dave Arney, bigarney@gmail.com
05-Nov -> NRA HP 600 x 3 CH 8 AM; Larry Sparks, larrysparks@chartertn.net
11-12-Nov-> Special CMP Events on Veterans/Armistice Day; [click here for more information](#)
12-Nov -> Bullseye Pistol Match; ID 9 AM – 2 PM; Robert Carden, cardenre@aol.com
18-Nov -> NRA App HP Match 8 AM; <http://orsarandp.com/2017-nra-approved-high-power-rifle-matches/>
19-Nov -> CMP EIC Match CH 8 AM; <http://orsarandp.com/cmp-eic-rifle-match/>
25-Nov -> Air Rifle Sniper League ID 10 AM; Dave Arney, bigarney@gmail.com

December-2017

02-Dec -> R&P Holiday Party ID 4PM; RSVP Tracey Tjon, traceytjon@gmail.com
17-Dec -> Bullseye Pistol Match; ID 9 AM – 2 PM; Robert Carden, cardenre@aol.com

****See President's Corner Below****



PRESIDENT'S CORNER

Hello Fellow R&P shooters. Welcome to the first instalment of The President's Corner. My intent with this column is to provide information on upcoming or pending actions in our club. But first I want to thank Mike Glasman for the great work he did over the past five years as the R&P President.

My primary intent as R&P President is to attract new shooters to our programs and to immediately begin planning to improve our infrastructure. Thus, my first announcement is to inform you of plans to renovate our aging pits. Our pits are our single point of failure. Meaning, if our pits "go to the pits," we're not going to be able to shoot. Specific improvements will include: repairing, painting and/or replacing target carriages and repairing the impact berm between targets 1-15. Repair work will begin as soon as possible following the end of this shooting season. The pits will be standing tall when the first round of the 2018 season is fired.

During renovation and into the first part of next year's shooting season we will shift firing to our high-side shooting points to allow the berm to regenerate new grass. So please anticipate a work call to further clear out vegetation from the high-end targets impact berm.

Finally, I welcome your input on potential initiatives to make our facilities world class. R&P has oversight of six rifle and pistol ranges: Long Range/High Power, Plinking, Rifle Practice, Indoor, Small-bore Rifle and Handgun Competition and Bench rest.

See you on the range!

