



THE ROYAL NEW BRUNSWICK RIFLE ASSOCIATION

L'ASSOCIATION ROYALE DE TIRE À LA CARABINE DU NOUVEAU-BRUNSWICK

*Promoting marksmanship through competition since 1866 • Promouvoir l'adresse au tir grâce à la compétition depuis 1866*

RNBRA Newsletter 2021

Volume 4, Issue 1

RNBRA Members and RNBRA Shooting Clubs,

Welcome to 2021 shooting season. Let's hope it is a lot better than 2020. Clubs have indicated that their members are looking forward to an active shooting season. Several clubs have asked to host RNBRA championships this summer and you will see a list in the near future. We will survive; see you on the range.

Steven Stewart  
RNBRA President

## In This Issue:

**[RNBRA Membership](#)**

**[Free Targets for Clubs](#)**

**[Shooting Club Range Inspections](#)**

**[Funding Opportunities](#)**

**[SFC Coast to Coast Championship](#)**

**[FAQ of the Month: How Large are the Forces on a Scope Mount?](#)**

**[Workshops](#)**

**[Coaching Courses](#)**

**[Shooting Schedules](#)**

**[CFO Update](#)**

**[Courses](#)**

**[Call for Nominations](#)**

**[Contacts and Links](#)**

**[Newsletter Submissions](#)**

Please direct all questions, comments, submissions, ideas, and suggestions to Laura at **[info@rnbra.ca](mailto:info@rnbra.ca)**.

Don't forget to check us out on **[Facebook!](#)**

---

## RNBRA Membership

New and renewing Members and Clubs can complete their 2021 membership online by going to [rnbra.ca/membership-form](http://rnbra.ca/membership-form). You can submit the form online or print off a copy and mail it in.

Membership fees can be paid by Email Money Transfer (preferred method) or by mailing a cheque or money order. Once payment is received you will receive a card in the mail.

Don't forget to renew your club affiliation for 2021. Affiliated clubs receive a number of benefits including:

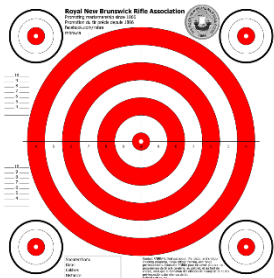
- Funding for programs, special events and matches
- Free paper targets for rifle, pistol, rimfire and centrefire shooting
- Free advice and pre-inspections of ranges
- One individual membership for your Club Representative

\*NEW\* For 2021, the maximum club affiliation fee is \$200 regardless of the number of members you had in 2020. Please complete the [online form](#) for our records, but you will not have to pay more than \$200.

[Back to Top](#)

---

## Free Paper Targets for Affiliated Clubs



The RNBRA will be distributing 200 paper targets to all interested affiliated clubs. Targets are 16x16". Contact [Steven Stewart](#) to make delivery arrangements. Additional targets can be purchased at \$40 per 200 targets.

[Back to Top](#)

---

## Shooting Club Range Inspections

The RNBRA can provide range pre-inspections and advice for affiliated clubs looking to meet the NB Government shooting range construction requirements. We can also provide, upon request, a copy of the *Standards for Design and Construction of Shooting Ranges in New Brunswick* issued by the Chief Provincial Firearms Office. For more information, email [info@rnbra.ca](mailto:info@rnbra.ca).

Federal: [Shooting Clubs and Shooting Ranges Regulations](#)

Provincial: [Shooting Range Leasing Policy](#)

[Back to Top](#)

## Funding Opportunities

### New Brunswick Athlete Assistance Program

The NBAAP provides direct financial assistance to high-performance athletes who have achieved significant results at the national or international level as well as athletes who have demonstrated a strong potential to earn a spot on a junior or senior national team. The Sport and Recreation Branch has issued the following:

*We understand that athletes have been greatly impacted by the effects of COVID-19 and have had to modify their training programs to continue their development. The Evaluation Committee will allow for much greater flexibility this year given that sporting events have been cancelled or postponed.*

There are 5 Tiers of funding available from \$500 to \$6000. More information, including eligibility and the application form are available [online here](#). Questions can be directed to [jason.arseneault@gnb.ca](mailto:jason.arseneault@gnb.ca).

...

### Go NB Grant Program

The Go NB Program has four funding opportunities available for Provincial Sports Organizations and Local Community Sport and Recreation Organizations (clubs):

- Leadership Development Grant
- Physical Literacy Development Grant
- Persons with a Disability Development Grant
- Women and Girls Development Grant

Program guidelines are available [here](#).

...

### Youth Program Funding Opportunity

The RNBRA strives to support youth interested in the shooting sports and has established a Youth Program Fund. Any affiliated club with a youth program or trying to start one may make a request for funding support.

Youth programs may include: specific competitions for under 19, supporting youths who travel to competitions, courses or workshops for youth shooting, holding a Youth Day at your club, etc. Send requests to Laura at [info@rnbra.ca](mailto:info@rnbra.ca).

...

### COVID-19 Funding

The RNBRA has received a portion of the COVID Emergency Support Fund for Sport Organizations. If your club or section is facing COVID-related challenges, please let us know and we may be able to assist. For additional support or information, visit the [Sport & Rec website](#). Send funding requests to Laura at [info@rnbra.ca](mailto:info@rnbra.ca).

[Back to Top](#)

## SFC Coast to Coast Championship

<https://sfc-ftc.ca/CTCC>

Participation is free! Choose when to shoot and submit your score online.

Events are spread over the different weeks of a month. Each participant must choose when they will do their match during the week. Note that because of Covid restrictions, if you cannot shoot your match during the official week, SFC are accepting scores until the last day of each month. You can submit individual or multiple shooters results in one form.

Results will be posted in the Championship score system and also in the classification system for Pistol and Rifle. You can use a Scatt System and submit your score. Scatt F-Coefficient has to be set at 55 for air rifle and 45 for all other type of rifles. In pistol events, make sure your F-Coefficient value is set to 15 for air pistol and 30 for all other events.

	Week			
	1	2	3	4
Pistol	Air Pistol	Sport Pistol	Rapid Pistol	Free Pistol
	CND 900 Pistol	Centerfire Pistol	Standard Pistol	
Rifle	Air Rifle	ISSF Prone	ISSF 3P	Hunting Rifle
		Sporting Prone	Sporting 3P	
Shotgun	Skeet	Trap		

[Back to Top](#)

## FAQ of the Month: How Large are the Forces on a Scope Mount?

Rifle scopes are generally held in position on the rifle action by 2 scope rings. The scope rings are designed to hold the scope firmly in place relative to the bore line of the barrel. The scope rings must resist the recoil force of the scope. This recoil force is large and it depends on the weight of the rifle and the weight of the scope.

For example, a 308 hunting rifle has a weight of 7.8 lbs and it is fitted with a scope weighing 1 lb. The force of recoil acting the rifle and scope combined is the chamber pressure multiplied by the cross-sectional area of the bore:

$$60,000 \text{ psi} \times 0.074 \text{ in}^2 = 4,400 \text{ lbs.}$$

This force accelerates the rifle and scope at a rate of 500 g's. The rings are responsible for accelerating the scope at this rate which requires 500 lbs force (500 g's produces a force 500 times weight of the scope). There are 2 rings and they have to share this force but they do not share it equally.

Another example, a 308 F-Class rifle has a weight of 15.6 lbs and a scope with a weight of 2.6 lbs. The force of recoil is 5300 lbs and the acceleration is 300 g's. This is less than the hunting rifle because the F-Class rifle is twice the weight. But the scope is nearly 3 times the weight of the hunting scope and the force required to hold the scope in position during recoil is 780 lbs.

It is a lot of force and one has to wonder if the rings can provide that force without slipping on the dovetail mount or picatinny rail. Consider the F-Class rifle which has 2 rings that are held in place with ¼" cross bolts torqued to 65 in-lbs. Each bolt would exert a clamping force equal to 1300 lbs. How much resistance to recoil this clamping force can generate depends on the angle of contact with the dovetail or rail and the coefficient of friction. I tested this directly by torquing the ring cross bolt to 65 in-lbs and positioning the cross bolt in the rearward position of the picatinny rail slot. I then delivered a sharp blow with a ½ lb rubber mallet acting through a wooden dowel. The ring moved all the way to the front of the slot. My conclusion is that the rings can move during recoil.

When mounting a scope, we generally move the cross bolt on the front ring of the scope fully forward in the rail slot in anticipation that it will slide forward. But the above suggests that you should also move the rear cross bolt fully forward in the rail slot to avoid having the scope tube resist the movement of the rear scope ring. If the rear scope ring were to slide relative to the front ring it would cause internal stresses in the scope that can affect the reticle position on the target. Even a few 1/1000<sup>th</sup> of an inch of distortion of a high magnification scope tube can move the reticle by a minute of angle. That may not be significant for a hunting rifle but a minute of angle movement in the point of impact would render a F-Class rifle uncompetitive.



You can learn how sensitive a scope is to distortion of the tube by mounting your scope with a bore sighter in place. Tighten the front cross bolt first and then gradually tighten the rear cross bolt while watching the reticle. Even with high quality rings and rail it will move by 1 moa. For a typical hunting rifle set up the reticle can move 4 moa or more.

Good Shooting,  
Gordon Holloway

[Back to Top](#)

---

## Workshops

There are several workshops offered by the RNBRA that are available to shooting clubs upon request. Currently there is one on load development and one on fullbore shooting. For more information on these courses or to arrange one at your club, contact Laura at [info@rnbra.ca](mailto:info@rnbra.ca).

Are you interested in developing your own workshop? The RNBRA may be able to help with funding, organizing and development. Send ideas to Laura at [info@rnbra.ca](mailto:info@rnbra.ca).

[Back to Top](#)

## NCCP Online Coach Education Opportunities Spring 2021

Below are CoachNB's upcoming courses in April, May, and June. All courses listed below are delivered online through the Adobe Connect and/or Zoom platforms. There will be a full round of Competition Introduction courses in French this Spring, through a partnership with Quebec. Please note the course languages per event in the list below.

### **English Workshops**

#### Competition Introduction courses:

NCCP Make Ethical Decisions: **Sunday April 18, 6-10 pm**

NCCP Make Ethical Decisions: **Sunday May 16, 6-10 pm**

NCCP Make Ethical Decisions: **Sunday June 13, 6-10 pm**

#### Competition Development courses:

NCCP Psychology of Performance: **Monday April 19 & Friday April 23 (6-9:30 pm)**

NCCP Developing Athletic Abilities: **Wednesday May 12 & Thursday May 13 (6-9:30 pm)**

NCCP Prevention & Recovery: **Monday May 17 & Tuesday May 18 (5:30-9:30 pm)**

NCCP Manage a Sport Program: **Wednesday May 19 (6-10 pm)**

NCCP Managing Conflict: **Monday June 7 (6-10 pm)**

Core Training for Coach Evaluators: **Wednesday April 21 & Thursday April 22 (6:00-9:00 pm)**

### **Livraison Français**

#### Modules compétition-introduction:

PNCE Enseignement et apprentissage: **le 6 mai (17h00-21h00) et le 13 mai (17h00-19h00)**

PNCE Habiletés mentales de base: **le 13 mai (20h00-21h00) et le 20 mai (17h00-21h00)**

PNCE Prise de décisions éthiques: **le 27 mai (17h00-21h00)**

PNCE Élaboration d'un programme sportif de base: **le 3 juin (17h00-21h00) et le 10 juin (17h00-19h00)**

PNCE Planification d'une séance d'entraînement: **le 10 juin (19h00-21h00) et le 17 juin (17h00-21h00)**

Questions can be directed to Ashleigh Milani, Manager of Coaching Education, at **[ashleigh@coachnb.ca](mailto:ashleigh@coachnb.ca)**

**[Back to Top](#)**

## Shooting Schedules

A tentative IPSC-NB schedule for the 2021 season is available online [here](#). This is a tentative schedule, as it is inevitable that other matches or training may be added during the season and may also be cancelled. Always keep an eye out for emails. Note that the national championships are not on the schedule as the decision will be made in May by IPSC Canada if cancelled.

A reminder that you must have renewed your IPSC-NB membership before registering for a sanctioned match, so if you haven't already done so, please renew as soon as possible. For more information, visit [www.ipscnb.org](http://www.ipscnb.org) or email [ipscnewbrunswick@gmail.com](mailto:ipscnewbrunswick@gmail.com).



The 2021 Fullbore shooting schedule has been posted on the Fullbore website. Please sign up for emails so you don't miss any last-minute updates: [rnbrafullboreblog.weebly.com/schedule.html](http://rnbrafullboreblog.weebly.com/schedule.html)

[Back to Top](#)

---

## CFO Update

A spring 2021 update was emailed to NB Shooting Clubs & Ranges regarding range inspections for 2021 and the cancellation of the Shooting Clubs / Shooting Ranges workshop offered by the NB Provincial Firearms Office. It is available online [here](#) in English and French.

[Back to Top](#)

---

## Courses

The RNBRA offers a course for training and certification of Range Safety Officers (RSO). An RSO is required every time two people or more people are using a range.

An Action Pistol course is available that teaches:

- Holster use with a pistol
- Range safety
- Engaging multiple targets
- Loading & reloading while stationary and moving
- Shooting while moving

Clubs are using this course for shooting on their home ranges.

RNBRA Certificates are issued for every completed course. For information on courses, contact us at [info@rnbra.ca](mailto:info@rnbra.ca).

[Back to Top](#)

## Call for Nominations for the Governing Board 2021-2022

The RNBRA Nominating Committee hereby calls for nominations for the following positions to stand for election at our next Annual General Meeting to be held in October 2021:

- President
- 1st Vice President
- 2nd Vice President
- Three (3) Directors-at-Large
- Honorary Life Members (if any)

For the officer positions, we will accept nominations signed by two regular RNBRA members in good standing. (See below regarding Honorary Life Members). A biographic sketch of each nominee and a statement of the nominee's willingness to serve if elected shall be provided with each nomination. It is the responsibility of the nominator and the seconder to provide this required information.

Email may be used for all nominations.

**Deadline for submissions will be 10:00pm August 31st, 2021.**

Regarding any nominations for Honorary Life Members, we call your attention to Article 11.1.3 of our By-Laws:

*"Any nomination for Honorary Life Membership shall be made by the Nominating Committee or shall be made over the signatures of five regular members in good standing and forwarded to the Chairperson of the Nominating Committee within the established timeframe. Such nomination shall be accompanied by a biographical sketch of the nominee indicating why the nominee should be so honored. Nominations for Honorary Life Memberships shall be very selective and infrequent."*

Please email all nominations to: [dicknval@bellaliant.net](mailto:dicknval@bellaliant.net)

Sincerely,

Dick Platt, Nominating Committee Chair

Paul Plume, Nominating Committee Member

[Back to Top](#)

---

## Quick Contacts & Links

Benchrest: [newbrunswick-benchrest.blogspot.com](http://newbrunswick-benchrest.blogspot.com)

Fullbore & PRS: [rnbrafullboreblog.weebly.com](http://rnbrafullboreblog.weebly.com)

Practical Pistol: [www.ipscnb.org](http://www.ipscnb.org)

Dominion of Canada Rifle Association: [www.dkra.ca](http://www.dkra.ca)



## Facebook Groups & Pages:

@RNBRA	@CPIIelameque – Association Chasse et Pêche de L`ile Lamèque
@IPSCNewBrunswick	@Fredericton-Trap-and-Skeet-Club
@CoachNB	@HRPCNB – Hampton Pistol & Rifle Club
@sport.newnouveaubrunswick	@Club-de-Tir-St-Antoine-Gun-Club-Inc
@New Brunswick F-Class	@FRPCSportShootingClub – Florenceville
@New Brunswick Precision Rifle	@Fundy-Shooting-Sports-Inc
@PEIRIFLE	@rvsa1984 – River Valley Sporting Assoc.
@atpq1869 - PQRA	@St. Croix Sportsman Club
	@Thomaston Corner Shooting Range
	@@umfci.ca – Upper Miramichi Firearms Club

[\*\*Back to Top\*\*](#)

---

## **Newsletter Submissions**

The RNBRA newsletter is open to submissions from members, shooting clubs, and non-members for any interesting information, events, questions, ideas, or anything else related to the RNBRA's mission: promoting marksmanship through competitive shooting.

Please send all newsletter submissions to Laura at [\*\*info@rnbra.ca\*\*](mailto:info@rnbra.ca).

[\*\*Back to Top\*\*](#)

---