Rambler

Newsletter of the
Ottawa Valley Mobile
Radio Club
Incorporated

October 2019 Edition 57 Page: 1

President's Ramblings

The September opening season of meetings was not only well attended but there was much discussion over what a lot of us were up to over the summer. Activity in the club is alive and well and surprisingly diversified. A number of members also reported notable contacts made over the summer break.

Balloon project development continues and Michael will have an update, at the October meeting.

I have been diligently working on costing out a couple of club projects for this fall. Please come to the October meeting prepared to sign up for the lightning arrestor or 6 M Dipole kits (or both!) so I can proceed with bulk procurement of material. Both projects will come in with a total cost each of around $30.00 ~ $35.00 but will be offered to paid up club members at $15.00 each. Value for your membership or what!

The dipole project was a suggestion Norm and I conjured up in order to support his initiative of a 6 M cw net. To this end I asked him to repeat his "CW without knowing a dit" presentation at the October meeting in hopes of stirring interest in not only cw but move on to some of the other digital modes. The club seems to embrace these new ideas and our objective is to provide the essential information to encourage new and old hams alike to participate.

This month we hope the interest is kindled with his presentation and I plan on having the dipole and lightning arrestor kits ready for the November meeting. Sign up sheets for the lightning arrestor and dipole kits will be circulated to determine quantities.

Included in this Rambler, amongst many other things, is a proposed budget for the next club year. Questions welcome! Please take a moment to review the proposal so we can vote on it at the October meeting.

Also at the October meeting Roger Egan, VA3EGY will be presenting more information on the proposed Fox Hunting initiative. He has some interesting plans and proposals to make in order to foster the event within and beyond the OVMRC.

The coax project is ongoing and as a reminder here are the costs to paid up members:

LMR 400 Cost $1.35 per foot.

LMR 195 Cost $0.80 per foot.

Connecters: PL259 (male uhf type) $ 2.00 ea *(Continued on page 4)*

INSIDE

Meeting Date

Wednesday

October 16th

6:45 P.M.

for Meet & Greet

Science and Technology Museum
Studio 6

AGENDA

- **President' Message and Welcome;**
- **OVMRC Operating Budget;**
- **Operating Assisted CW – Norm VE3LC;**
- **Suppg RFI to Electronic Devices;**
- **80 m noise intensity plots – Hugo, VE3KTN.**

November 20th Meeting

AGENDA includes;

Guest Speaker Richard Ferch, VE3KI

"The many aspects of Operating FT8"

OVMRC Executive and Officers 2019-2020

President:
Barry Allison,VE3NA
ve3na@rac.ca

Vice-President:
Norm Rashleigh, VE3LC
ve3lc@rac.ca

Treasurer & Membership Records:
Nicole Boivin, VE3GIQ
nlboivin@sympatico.ca

Corporate Secretary:
Ron Smith, VE3LBU
rjs3.smith@gmail.com

The above four positions are "Directors" and officers in charge of running the Corporate affairs of the Ottawa Valley Mobile Radio Club Inc.

Standing Committees

Club Projects & Bulk Orders:
Barry Alison, VE3NA
ve3na@rac.ca

Radio Course & Accredited Examiner:
Norm Rashleigh, VE3LC
ve3lc@rac.ca

Membership Services & Meeting Reception:
Tom Mercer, VE3LJS
tsmercer63@gmail.com
John McGowan, VA3JYK
john.mcgowan1314@gmail.com

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Hugo Kneve, VE3KTN
ve3ktn@rac.ca
Rob Haddow, VE3RXH
rjhaddow@yahoo.ca
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ve3lc@rac.ca
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Darin Cowan, VE3OIJ
ve3oij@amsat.org

VE3TWO Repeater Keeper:
Norm Rashleigh, VE3LC
ve3lc@rac.ca

Special Events:
Roger Egan, VA3EGY
va3egy@gmail.com
John McGowan, VA3JYK
john.mcgowan1314@gmail.com

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OVMRC Life Members

Ernie Jury, VE3EJJ

Maurice-André Vigneault, VE3VIG

Ralph Cameron, VE3BBM

Doug Carswell, VE3ATY

Doreen Morgan, VE3CGO

OVMRC Repeater

VE3TWO

147.300 Mhz (+) 100 Hz tone
FM & Yaesu System Fusion Digital Operation

OVMRC Call Signs

VE3JW

VE3RAM

The Rambler is the official newsletter of the Ottawa Valley Mobile Radio Club Incorporated and is published 10 times a year (monthly, except for July and August). Opinions expressed in the Rambler are those of the authors and not necessarily those of the OVMRC, its officers or its members. Permission is granted to republish the contents in whole or in part, providing the source is acknowledged. Commercial use of the contents is expressly prohibited.

Submit articles and notices to:

Norm at ve3lc@rac.ca

OVMRC Affiliations

The Wednesday evening Cross Canada Weekly C4FM is again hosted on VE3TWO

OVMRC members can again check into the Wednesday evening Cross Canada C4FM net on Club repeater VE3TWO 147.300 (+ offset) thanks to a remote Wires X connection provided by Steve VA3MPS. Steve will be engaging his node station onto the repeater Wednesday Evenings at 9:00 PM. The Net can also be accessed in the west-end of town using the Fusion repeater VE3DRE on 146.805 (– offset) owned and operated by Denis VE3BF who is the Net Control Station. All check-ins are welcome using the Yaesu C4FM digital voice mode.

Emergency Measures Radio Group: (EMRG)

Monthly Repeater Tests are conducted by Dave VE3KMV on the first Wednesday of each month at 8 PM on VE3OCE 146.880 MHz – (136.5 Hz tone). From initial contact on VE3OCE, you'll be asked to test VE3EMV/East 146.985 MHz – (100 Hz@ tone), VE3EMV/West 145.210 MHz – (123.0 Hz tone), VE3OFS 146.670 MHz – (136.5 Hz tone), VE3OCE 443.8000 MHz + 5 (136.5 Hz tone) and VE3EMU 444.9500 + 5 (136.5 Hz tone).
It is advisable that all the EMRG frequencies be programmed into your radio. All check ins are welcome.
See: http://www.emrg.ca/repeaters.htm

Informal Amateur Radio Restaurant Gatherings (All are welcome)

- **QCWA Chapter 70** breakfast gathering every **Tuesday** morning at 7:30 to 10:00 AM, Summerhays Grill, 1972 Baseline Rd., Nepean
- **Orleans Coffee gathering** every **Friday** morning at 9:00 AM, McDonalds, 2643 St. Joseph Blvd, Orleans
- QRP **Group Dinner** meeting, **2nd Wednesday** every month, 5 PM, Newport Restaurant, 322 Churchill Ave N., Ottawa
- **Phoenix Net monthly Breakfast** gathering, usually the **second Saturday** every month at 9 AM, T-Basil Restaurant, 2440 St Joseph Blvd, Orleans. (get on Pete VE3XEM's mailing list for monthly reminder VE3XEM@RAC.CA)

OVMRC Repeater VE3TWO :

147.300 MHz +600 kHz, 100 Hz Tone and Yaesu C4FM Digital Voice

VE3TWO Scheduled Nets:

- **Thursday Evenings, 8 PM**, Club Net on FM conducted by Hugo, VE3KTN and Rob, VE3RXH.
- **Sunday Evenings, 8 PM**, Ottawa C4FM Digital Voice Round Table Net.

Other Local 2 Metre Repeater & Simplex Nets: *(all check-ins welcome)*

- **Rubber Boot Net**, VE3MPC 147.150 ++, (100 Hz tone) mornings at 7:30 AM conducted by Mike, VA3TJP
- **Phoenix Net**, VE3MPC 147.150 Mhz +, (100 Hz tone), Tuesday evenings at 8:00 PM conducted by Pete, VE3XEM
- **QCWA Chapter 70 Net**, VE3MPC 147.150 MHz +(100 Hz tone), Monday evenings at 7:30 PM conducted by John, VE3ZOV
- **Capital City FM Net**,VE2CRA 146.940 MHz -, (100 Hz tone), Monday evenings at 8:00 PM.
- **Champlain Mini Net**, VE3STP 147.060 MHz -, (114.8 Hz tone), every evening at 6:45 PM.
- **Upper Frequency Net**, Simplex 144.250 MHz using USB, Tuesdays evenings at 9:00 PM conducted by Glenn, VE3XRA. Following check in on 2 m you can check your radios on 6 m at 50.150 MHz and 70 cm on 432.150 MHz as well using USB. All check ins are welcome.

OVMRC HF Nets

- **Pot Hole SSB Net,** 3760 kHz, every Sunday morning at 10:00 AM conducted by Ernie, VE3EJJ, or Glenn, VE3XRA..
- **Pot Lid Slow Speed CW Net**, 3620 kHz, every Sunday morning at 11 AM conducted by Roger, VE3XRR.

(Continued from page 1) including heat shrink tubing for environmental sealing. BNC connectors are also available for the LMR 195 cable at the same $2.00 cost.

All prices are tax included.

Currently, we have about 800 ft of the LMR 195, and 500 ft of LMR 400.

The club also has about 30-40 sets of Anderson Power Pole connectors available for a cost of $1.00 per set (red + black + 2 pins)

Anyone interested in trying your hand at installing your own connectors, remember to contact Pete VE3XEM. He retains the club tool kit and we now have the proper crimp tools to install connectors on both the LMR 400 and LMR 195 coax cable and the power pole connectors.

That's about it for now. I hope to see everyone at the October meeting, Wednesday, October 16, 7:30 PM, at the Science and Tech Museum.

73,
Barry, VE3NA

Cores Under Test

by Norm VE3LC

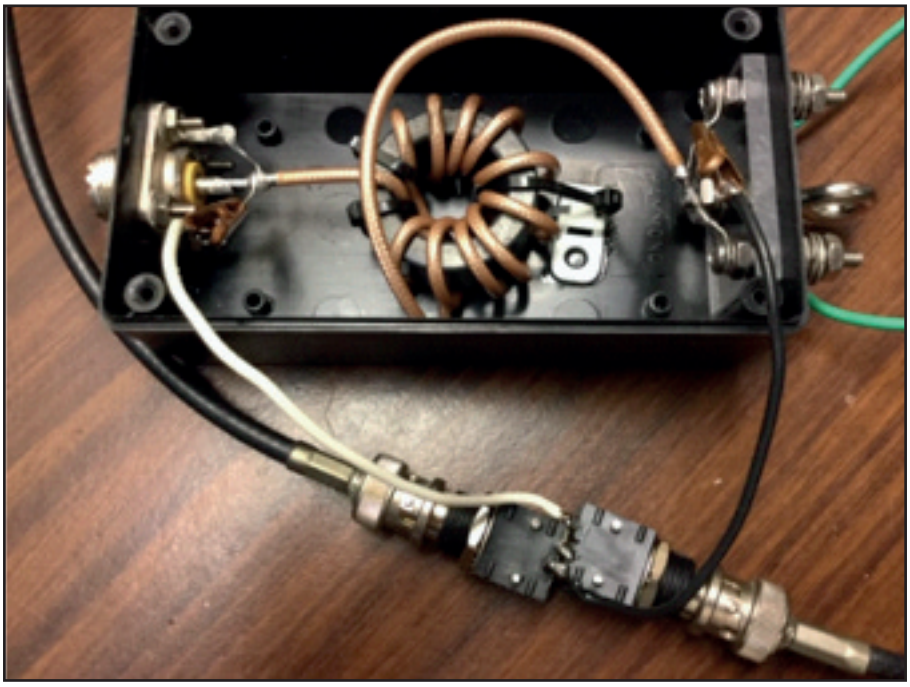
The following tests were inspired by a YouTube Video at found at:

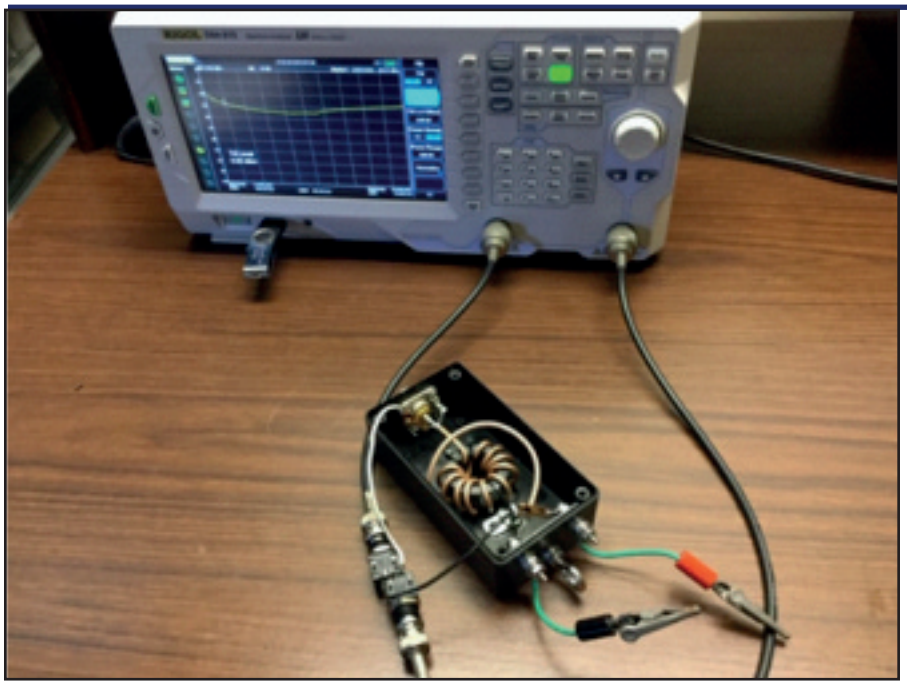
https://www.youtube.com/watch?v=JhAPJISUjB8&feature=youtu.be

The tests were conducted on an assortment of Toroid and Cylindrical cores and "Current Baluns" that I have collected over several years without any idea about the characteristics of the core materials or performance of the all-together "Baluns" that are either commercial products or that I've built based on someone else's design and provision of materials. The tests were made using my Rigol DSA 815 combination Spectrum Analyser Tracking Generator instrument. The test setup on available toroid and cylindrical cores was primarily based on noting the "attenuation" over a span of 1 to 30 MHz using several turns of wire wound inside core device that I have in my collection.

OARC Current Balun Project Common Mode Test.

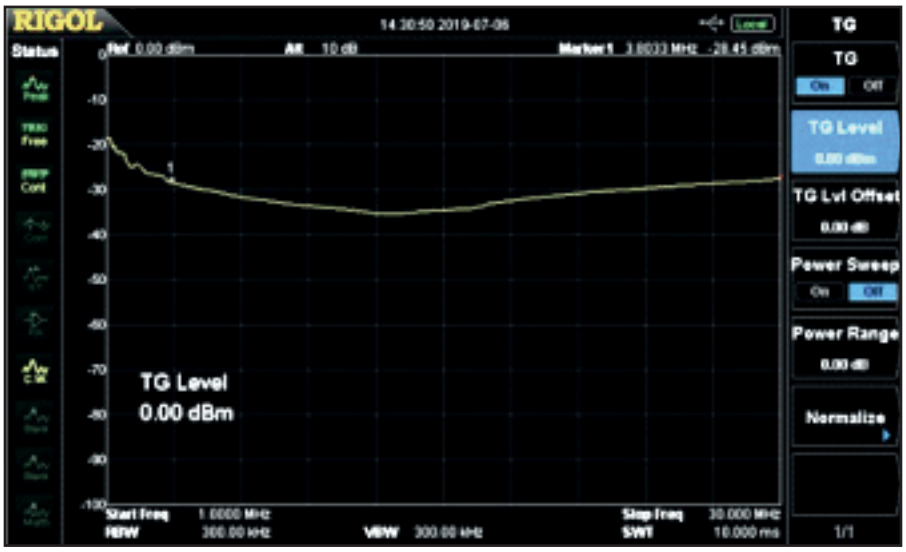
As can be seen, this device is simply a classic 1:1 current Balun made by wrapping several turns of 50 ohm coaxial cable (RG-316) on a toroid core and nicely housing it in a plastic box. It was designed to be used at the feed point of a HF dipole to effectively reduce the influences of the coax feedline on the radiation (and possibly the feed point impedance) of the antenna.





The shields of the instrument coax cables are tied together. The centre conductors are brought out as two short conductors with alligator clips to facilitate connection to the Device-Under-Test. The common mode attenuation of the device under test is measured between the coaxial cable shield of the balanced output and the shield of the coaxial cable at the SO-239 connector.

1-30 MHz, greater 20 dB common mode attenuation



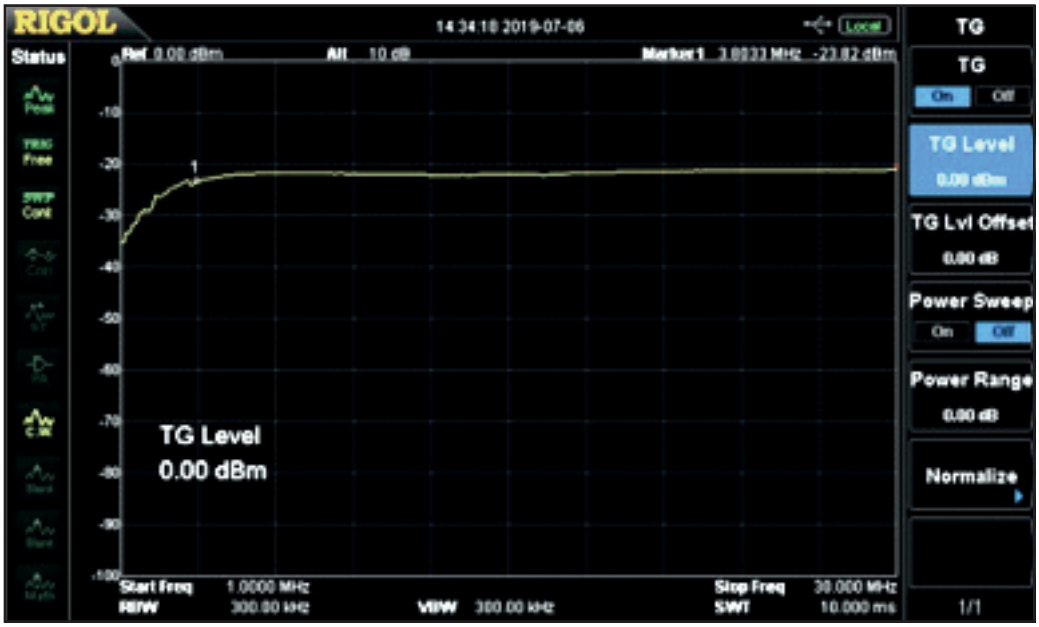
The "TG" (tracking generator) level for all tests was set at 0 dB reference level.

This device showed better than 20 dB isolation and better than 30 dB for a good portion of the frequency range 1 to 30 MHz.

W2DU Commercial Dipole Current Balun – Common Mode Test

Similar to previous balun under test, this commercial product is designed to be a common mode 1:1 current balun for use at the feed point of an HF dipole. Inside the plastic tube, a coaxial cable connects the dipole element pig tail connections to the SO-239 connector. RF common mode isolation is derived with many cylindrical ferrite cores stacked top to bottom over the outer jacket of the coax cable inside the product.

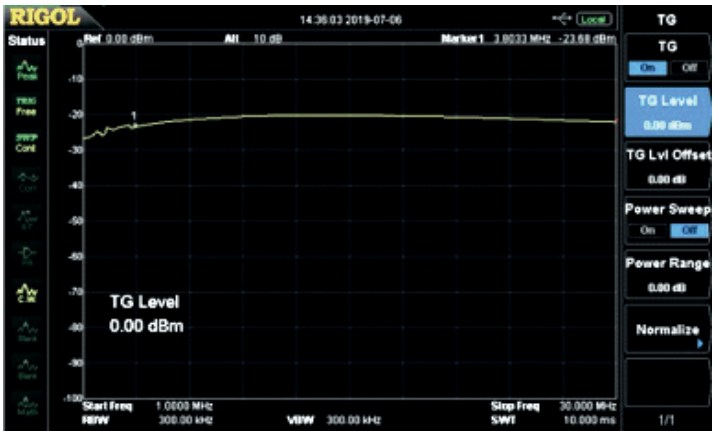
Very flat response – 20dB attenuation, 4 to 30 MHz



The isolation of 20 dB appears remarkably flat from about 4 MHz to 30 MHz.

Surplus Toroid Core colour coded GRAY – Under Test with 10 Turns

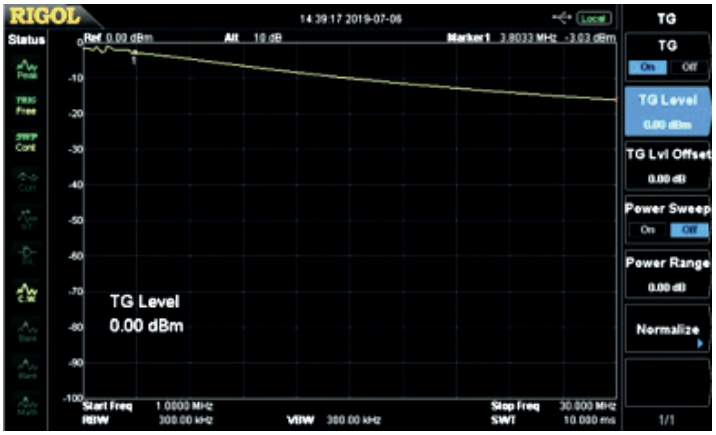
Similar to W2DU Balun, very flat, 4 to 30 MHz, > 20 dB attentuation



This toroid core shows a similar flat response of previous commercial balun at > 20 dB, 1 to 30 MHz.

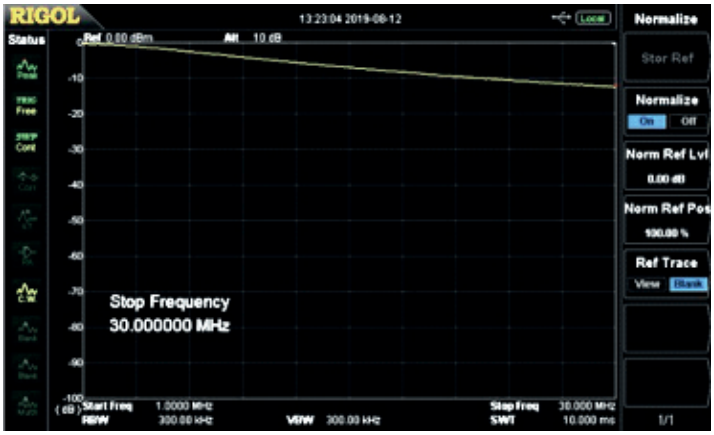
Surplus Toroid Core colour coded RED – Under Test – 10 turns

1 to 30 MHz, Attention increases with Frequency but not > than 30 dB



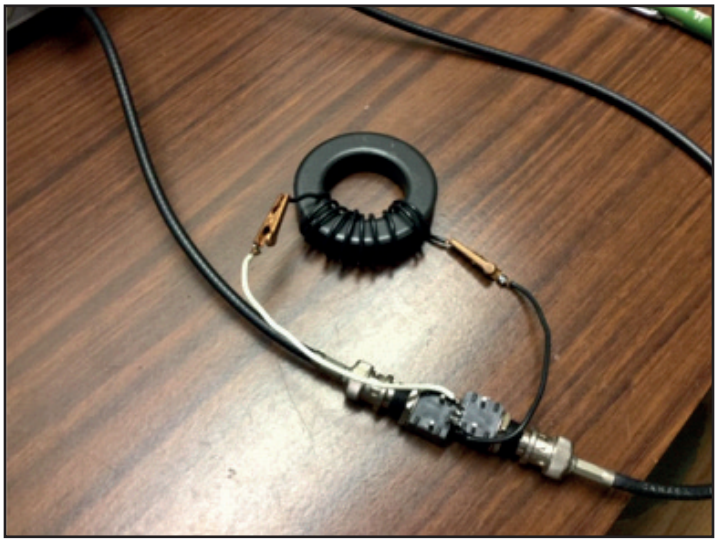
Very different isolation from previous devices over the frequency 1 to 30 MHz. Attenuation displays a linear increase with frequency.

Surplus Toroid Core colour coded YELLOW – Under Test – 10 turns

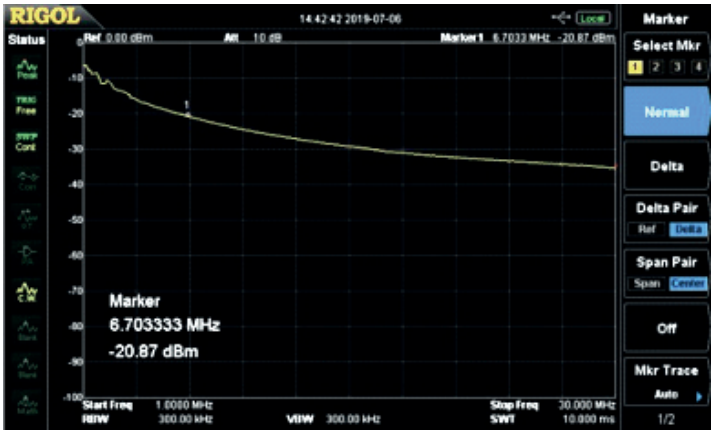


Modest linear increase in attenuation with frequency

Surplus Toroid Core, Colour Code "Unpainted" – Under Test

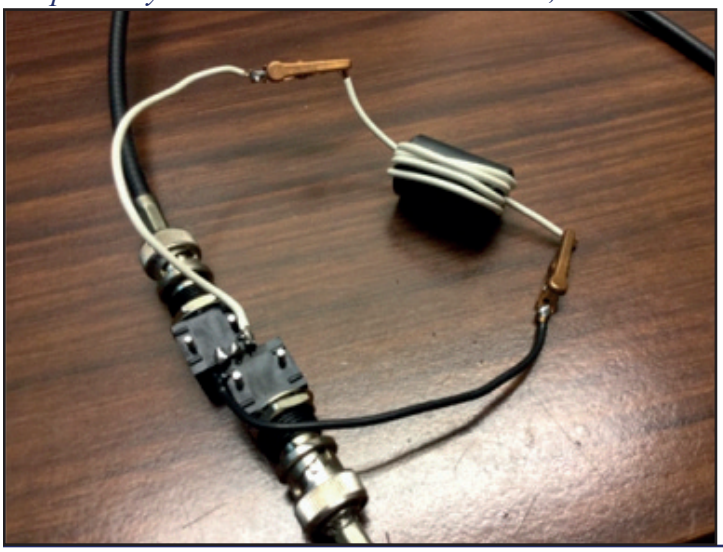


1 to 30 MHz, > 20 dB Attenuation above 6.7 MHz

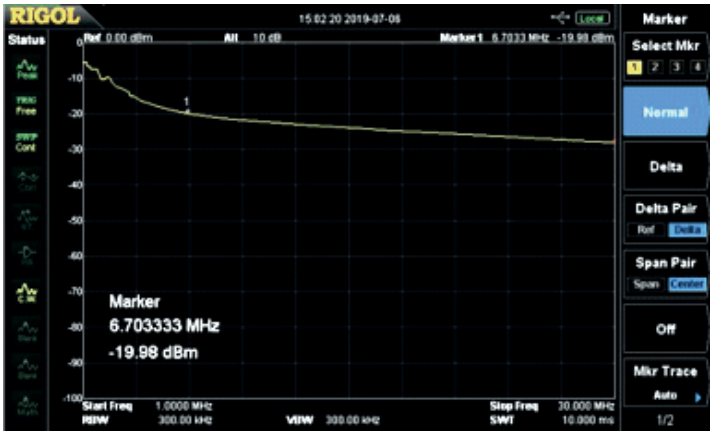


Different response again from previous devices.

Surplus Cylinder Core – Under Test, 4 turns

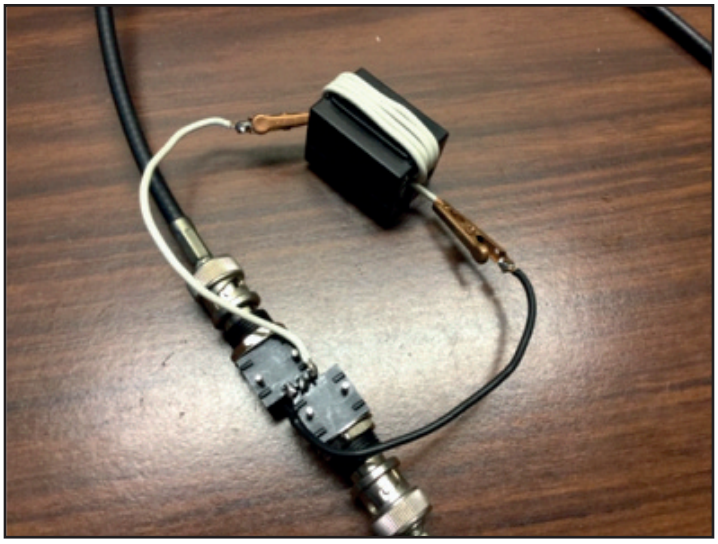


1 to 30 MHz, > 20 dB Attenuation above 7

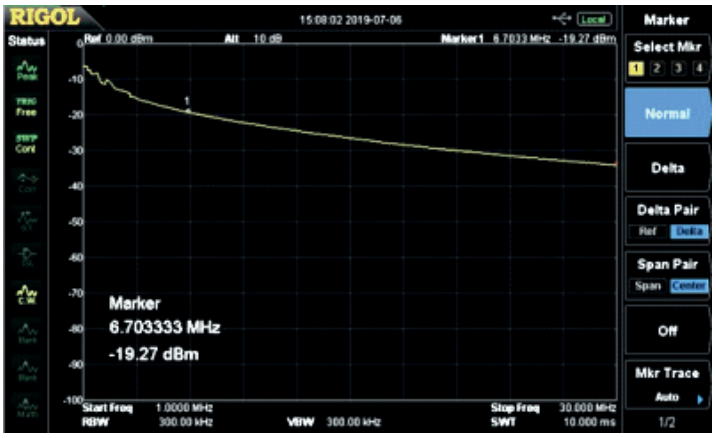


Similar response from previous toroid core. Attenuation increases with frequency.

Surplus "Snap On" Cable Core – Under Test, 4 turns

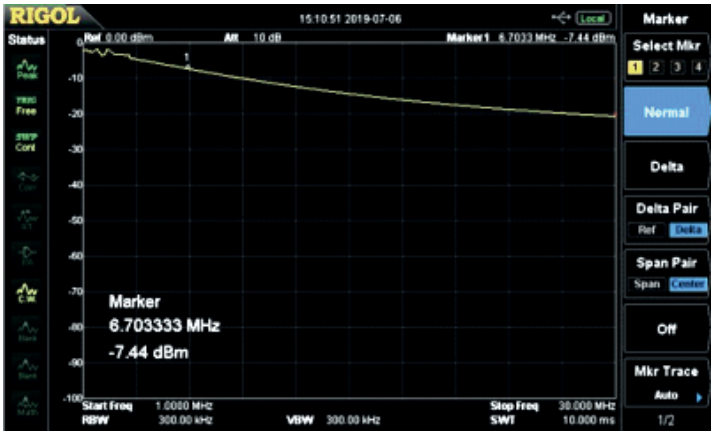


1 to 30 MHz, > 20 dB Attenuation above 7 MHz, similar to black toroid



Surplus Small Diameter (unpainted) Toroid Core – Under Test, 10 turns

1 to 30 MHz, > 20 dB Attenuation above 30 MHz, not effective for HF



The curve increases with frequency (but not as a linear function)

My Conclusions:

- The cores that show a linear increase in reactance (therefore attenuation) with frequency may be best for resonant tuned circuits. These are typically cores painted red and yellow.

- Other cores appear to display more or less the same attenuation over a wide range of frequencies; these are likely best for broadband RF transformers and RF chokes such as "Current Baluns" applications; these are typically cores not painted or painted grey.

If folks have cores in their inventory and want to check them out, we can arrange a testing session at one of the Club meetings. Contact Norm at ve3lc@rac.ca

Meeting Minutes

Date / Time: Wednesday, September 18, 2019. 19:30

Location: Canada Science and Technology Museum, Ottawa, Ontario.

1. Call to order:

President Barry Allison, VE3NA, called the meeting to order at 19:26 There were 39 in attendance, no guests.

2. Approval of minutes from previous meeting:

MOTION: Moved by Ernie Jury, VE3EJJ, and seconded by Douglas King, VE3YDK, that the minutes of the previous meeting held Wednesday June 16, 2019, be approved.

VOTE: All in favour.

CARRIED.

3. Greetings:

Barry, VE3NA, extended greetings to everyone as the club started it's new 2020 season.

4. Agenda and Meeting Content:

Barry, VE3NA, outlined the agenda for the meeting.

5. Announcements, Projects and Events:

A) Announcements:

Barry Allison, VE3NA reminded Members of several items:

i. Check out and enrol in Groups IO. Log in to keep up to date on ham activities within the OVMRC.

ii. Members should regularly reference the Rambler newsletter on the club's website to stay informed. Members can use the hyperlinks for upcoming activities, information and contests.

iii. Membership dues for the 2020 season are now due and payable to OVMRC.
ACTION REQUIRED: Please check in with Nicole VE3GIQ to settle your account and to verify your membership information.

iv. Year-End Attendance Prize Draw. Barry Allison, VE3NA advised members that there will be three or four year-end attendance prizes to be drawn in June 2020. Total combined value of the prizes will be approximately $800. OVMRC Members will receive 1 ticket at each meeting when they sign in. The tickets will be accumulated and at the final meeting of the season, the first winning ticket will be drawn by Nicole Boivin, VE3GIQ. As she won last year's major prize, Nicole VE3GIQ, is ineligible for the draw but will resume eligibility next year. The task of tracking and compiling attendees and distributing tickets falls to the Membership team of Tom Mercer, VA3LJS and John McGowan, VE3JYK.

v. Door Prizes. Barry Allison VE3NA, advised members that each meeting will feature a door prize of significant value, such as tonight's solder kit.

vi. Coax Order. Barry Allison VE3NA polled the members to see if LMR 400 coax was still desired. Barry will order a 500-foot roll for purchase at $1.23 per foot, plus tax. PL259 connectors will be mounted.
ACTION REQUIRED:
Contact Barry at VE3NA@RAC.ca to place an order.

vii. The Emergency Repeater Frequency tests happen on the 1st Wednesday of every month on VE3OCE. The necessary CTCSS Tones are also available in the Rambler.

viii. Norm Rashleigh, VE3LC advised there are 27 students enrolled to date in the Ham Radio course. He also indicated that a limited number of basic and advanced study guides would be available for purchase through the club from Coax Publications. Cost will be $35. Norm had a sign-up sheet at the meeting for folks wanting books.

ACTION REQUIRED: An order will be placed on Monday September 23. Please advise Norm of your order to VE3LC@RAC.ca no later than September 23rd.

ix. Neil Herber, VE3PUE reminded members that volunteer radio operators are once again needed for the annual Canadian Ski Marathon happening in Quebec on February 8 and 9, 2020. For information, please go to: https://hambone.ca

x. Ernie, VE3EJJ, took the floor to say he enjoyed very much reading the minutes of the June AGM meeting that were posted in the September Rambler and complemented all involved in their preparation.

B) Club Projects and Member Builds: Barry Allison, VE3NA – advised members that a portion of the cost for Club projects will be

subsidized by the Club this year. The balance of the project cost will be paid by the member at a group buy/discounted rate. Among the Projects and builds suggested (subject to member interest) are:

i. A Lightning Arrestor/Surge Suppressor, HF to 2 metres at an approximate cost of $15.00 to the Member.

ii. A 6M low power Mag Loop antenna build that could be mounted on a balcony or deck using a tripod or a painter pole. The Loop parts would be a group buy.

iii. A 6M dipole antenna, as a club project, somewhere around $15 cost to the member. This could be used to initiate a 6 metre CW net, for example.

iv. Toroid construction to purchase Snap-On toroids or to buy the parts needed to build a toroid that would assist in HF interference suppression.

ACTION REQUIRED: Members are asked to consider these options and come to the October meeting prepared to select, commit and sign up. Barry would like to get started on the builds and the parts ordering sooner than later.

C) Haves:

i. None noted.

D) Wants:

i. None noted.

E) Contacts: Douglas King, VE3YDK, operating QRP portable in Vermont using solar power on 20 M using an Icom 7300, racked up 73 contacts. Tim Bailey, VE3TXB, during the recent DXCC contest, managed to hear both ends of a contact between an operator in Florida and another in Tasmania. Bryan Rawlings, VE3QN, also made contact with the same Tasmanian operator using FT4; Ron Smith, VE3LBG, made low power contacts at just 700 mw and Roger Egan, VA3EGY, operating in the OARC QRP in-the-park event with his FT818 on a small battery and an Alex loop antenna made several contacts on 20M during the Oklahoma QSO party. Neil Levesque, VE2RAO, managed 3 DX contacts in Ireland and England with 1 watt. Impressive contacts all.

F) Committee Update – Barry Allison VE3NA, noted that the special events Committee includes John McGowan, VE3JYK and new member, Roger Egan, VA3EGY. In addition, Hugo Kneve, VE3KTN, will look after Operations Committee and act as Net Control for the Thursday night 2M net on 147.300 at 8 p.m. Rob Haddow, VE3RXH, and Nicole Boivin VE3GIQ, will share the Operations Committee duties. A full listing of the 2020 committees, their members and Club executive can be found on page 2 of the September Rambler newsletter here:

https://www.ovmrc.on.ca/Rambler/Archive/Ram2019-09.pdf

G) Presentations:

a) MS Bikeathon 2019 Update – Nicole Boivin, VE3GIQ

Nicole. VE3GIQ. presented pictures and slides as found in the September Rambler detailing the Club's involvement with the August event. Fewer riders this year, but more pledges were raised, so the financial gain was ahead of last year. Details and photos can be found here:

https://www.ovmrc.on.ca/Rambler/Archive/Ram2019-09.pdf

b) Financial Report - A final report will be available soon following year end wrap up.

This year's Budget will be presented for approval by the membership at the October meeting.

c) OVMRC 2 M Transmitter Hunt – Roger Egan, VA3EGY

Roger, VA3EGY, summarized the results of the May Fox Hunt and shared a review of the member post activity survey. The survey is archived on Groups.IO. A Fox Hunt subgroup has been established to research and suggest an alternative activity for 2020. A link to the Fox Hunt Sub-Group can be found on Groups.IO here: https://ovmrc.groups.io/g/foxhunt

Roger's presentation and summary slides from September 18th can be found on Groups.IO here:

https://ovmrc.groups.io/g/foxhunt/topic/34282272

ACTION REQUIRED:
Members are asked to volunteer for a committee that will develop a Fox Hunt plan for the year. Visit Groups.IO to sign up or send Roger an email at VA3EGY@gmail.com

d) ARIES Project Update - Michael Babineau, VE3MWB

The September update as presented September 18, can be found on Groups.IO here:

https://ovmrc.groups.io/g/main/files/Aries%20Balloon%20Project%20Monthly%20Update%20Slides/Project%20Aries%20-%20OVMRC%20update%20September%202019.pdf

Timing may require the launch to be postponed until November or after the start of the New Year. To be confirmed.

e) Field Day 2019 – Norm Rashleigh, VE3LC

Norm, VE3LC, presented slides and thanked members for their participation and support for the June 2019 event. CW contacts were less than previous year, but the Club's point total was still high. 2542 points were earned plus 1490 Bonus points. The Club total was 4032. There were 418 CW contacts, 86 Digital FT8 contacts and 263 phone contacts. Several visitors including Ottawa Councillor, Laura Dudas and her assistant, attended. A scoring summary and several photos can be found in the September Rambler, here:

https://www.ovmrc.on.ca/Rambler/Archive/Ram2019-09.pdf

f) New Digital Modes: MSK 144 Meteor Scatter Protocol Weak Signal Propagation - Norm Rashleigh, VE3LC.

Norm shared a brief presentation on Meteor Scatter Protocol using the MSK144 mode included in the WSJT-X software. There are several opportunities to use this mode with upcoming meteor showers in November and December as well as next summer.

https://ovmrc.groups.io/g/main/attachment/229/0/contact1.jpg

g) Nets and Operations – Pot Hole Sunday Net 3760 – Barry, VE3NA, and Norm, VE3LC.

Both reminded members the Thursday evening 2M net is back on at 8 PM on repeater VE3TWO, 147.300. Hugo, VE3KTN is net control and will be backed up by Rob Haddow, VE3RXH and Nicole, VE3GIQ. The Sunday morning HF Pot Hole Net at 10 AM continues on 3760 khz with Ernie Jury, VE3EJJ, and Glen MacDonnell, VE3XRA, sharing duties as Net Controllers.

6. Prizes and Draws:

Tonight's door prize door prize is a tool kit and case valued at approximately $30. The winner was Jeffrey Arcand, VA3PEW.

The 50/50 draw for $37.00 was won by Douglas King, VE3YDK.

7. Upcoming contests:

For more detailed information on upcoming contests, see the WA7BNM Contest Calendar at

https://www.contestcalendar.com/

RAC Members can login and go here:

https://wp.rac.ca/amateur-radio-contest-calendars/

ARRL Members can log in and go here:

http://contests.arrl.org/

8. Adjournment:

MOTION: Moved by Ron Smith, VE3LBU that the meeting be adjourned at 21:54.

9. Next meeting:

The next regular business meeting of the OVMRC will be held Wednesday, October 16, 2019 at 7:30 at the Canada Science and Technology Museum, 1867 St. Laurent Blvd, Ottawa, ON K1G 5A3.

Minutes recorded by Ron Smith, VE3LBU, OVMRC Secretary

OVMRC Proposed Budget 2019/2020

Item / Project	Sub-Items	Quantity	Income	Expenses	Profit / (Loss)	Actuals 2018/19
Bank	Account Expenses			20	$ (-20.00)	-14
	Interest on GICs		150		$ 150.00	81
Memberships	Associate	2 at $25 ea	50		$ 50.00	25
	Life		0			
	Full not RAC	10 at $35 ea	175		$ 350.00	630
	Full RAC	65 at $25 ea	1625		$ 1,625.00	1550
Club Tags &Clothing	Name Tags	20 at $12 ea	240	240		240
	Shirts	20 at $35 ea	700	700		
Club Obligations	Museum Meeting Room	$200 / yr +HST		226	$ (-226.00)	-226
	RAC Liability Insurance			450	$ (-450.00)	-359
	RAC Club Affiliation			32	$ (-32.00)	-31.58
	Post Office Box			225	$ (-225.00)	-220
Radio Course	Tuition	35 at $100	3500		$ 3,500.00	4400
	Basic Books	32 at $35	1120	1120	$ -	
	Advanced Books	30	700	640	$ 60.00	
	Misc Supplies	lot		50	$ (-50.00)	-42.36
Club Projects	Lightning Arrestor Kits	25	375	750	$ (-375.00)	
	6 Metre Dipole Kits	25	375	750	$ (-375.00)	
	Coax Bulk Buy & Sales	lot	1200	1200	$ -	
	Slim Jim Antenna Kits	25	375	750	$ (-375.00)	
	Interference Kits	25	750	1125	$ (-375.00)	

Donations	ARISS			500	$	(-600.00)	-612
	DARF			300	$	(-600.00)	-600
	RAC Foundation			300	$	(-600.00)	-600
	AMSAT			300	$	(-600.00)	-612
Special Events and PR	Field Day			500	$	(-500.00)	-491
	Transmitter Hunt(s)			100	$	(-100.00)	
	Christmas Party			100	$	(-100.00)	
	Promotion Events			100	$	(-100.00)	
Meetings	Meeting Door Prizes	9	35	315	$	(-315.00)	
	Year End Door Prizes	3	250	750	$	(-800.00)	meetings and yr end $990
	Christmas Party Prizes	7	30	210	$	(-210.00)	
	Meeting 50/50		400		$	400.00	428
	Awards & Certificates			150	$	(-150.00)	
	Cookies and Coffee	9 at $15/meeting		135	$	-135.00	
				Total	$	(-1178.00)	

The operating Budget deficit for 2019/20 will be taken from the existing Club reserves

August 18, 2019

Nicole Boivin, VE3GIQ, OVMRC Treasurer
PO Box 41145, 1910 St. Laurent Boulevard
Ottawa ON K1G 5G2 Canada

Dear Nicole,

Please thank every member of the Ottawa Valley Mobile Radio Club for the very generous contribution of $450.00 on July 19, 2019 to support Amateur Radio on the International Space Station (ARISS)! The ARISS team hopes this letter can be read at a club meeting and maybe scanned for use in the club newsletter. If so, and a photo is snapped of reading the letter, email the photo to Rosalie, K1STO who can get it in print—k1sto@arrl.org.

The club members' donation helps to play a major role in allowing ARISS and Amateur Radio to impact the lives of thousands of students each year, and educators, parents, and the public. Right now, ARISS is hanging on by a thread with radios on the ISS that are intermittent and untrustworthy. The ARISS Team is working feverishly on the new radio system we hope to have ready for launch at the end of 2019.

Please reflect on the fact that ARISS gives students the chance to learn about space communications, amateur radio, wireless technologies, and space research. Your club members are assisting ARISS in providing students and listeners a once in a lifetime opportunity to be part of a personal conversation with an astronaut on the ISS, and using Amateur Radio!, which inspires interest in ham radio and opportunities for STEM careers.

Your club members' contribution is crucial for the ARISS program's survival. The ARISS Team says thank you to OVMRC for helping to ensure continuing operations and needed equipment upgrades. If it will help with club tax purposes, AMSAT-NA is a 501(c)3 organization and the donation is tax deductible to the limit allowed by law.

Sincerely,

Frank Bauer, KA3HDO
ARISS International Chairman

Quotes...
Teacher: *"Students were tracking the spacecraft, controlling the directional antenna, operating the radio transmitter and talking to an astronaut. Science doesn't come into the classroom better than this."*
5th grade student: *"It was one of the greatest days of my life. I think when I grow up, I'll be in aeronautics, maybe with the Navy, maybe building jets and flying them."*

Mailing Address: AMSAT NA ■ 10605 Concord Street, #304 ■ Kensington, MD 20895 ■ www.ariss.org

OVMRC Net Activity, Check-ins for September, 2019.

Prepared by: Hugo Kneve VE3KTN

OVMRC 2 Metre Net: VE3TWO 147.300+ 100 Hz. tone, Thursdays 8 p.m. local.

September 5	September 12	September 19	September 26
VE3KTN - NCS	VE3KTN - NCS	VE3KTN - NCS	VE3KTN - NCS
VE3NA	VE3LAF	VE3NA	VE3NA
VE3LC	VE3LBU	VE3RUU	VA3RLA
VA3RLA	VE3CSH	VA3AOD	VE3LC
VE3LBU	VA3ZZW	VE3LC	VE3KAE
VA3ZZW	VE3LC	VE3KAE	VE3LBU
VE3GIQ	VA3RLA	VA3RLA	VE3OKD
VE3KAE	VE3NA	VE3LBU	VE3FNG
VE2OCQ	VE3TXB	VE3DEF	VE3HVB
VE3TXB	VE3KAE	VE3CSH	VA2EEK
VE3ZZU	VA3EO	VE3LAF	VE3LAF
VE3LAF	VE3BQ	VE3GIQ	
VA3ZTF/M	VA3ZTF/M	VE2BJZ	
		VE3HVB	
		VE3NPO	

OVMRC Pothole Net: 3760 kHz. LSB Sunday mornings at 10 a.m. local.

September 8	September 15	September 22	September 29
VE3EJJ – NCS	VE3EJJ – NCS	VE3EJJ – NCS	VE3EJJ - NCS
VE3RIP	VE3LC	VE3BAE	VE3KTN
***VE3UUH**	VE3KTN	VE3KTN	VA3BGO
VE3KTN	VA3BGO	VE3LC	VE3HVB
VE3LC	VE3IVE	VA3BGO	VE3LC
VE3XRA	VE3KAE	VA3PCJ	VA3BIT/port
VA3BGO	VE3EKN	VA3RLA	
VE3HAZ			

Bob Calver VE3UUH - SK

*Bob Calver, VE3UUH became a Silent Key the day following his check-in to the Pot Hole Net on September 8th. His obituary can be found at:

https://lannin.ca/tribute/details/1134/Robert-Calver/obituary.html

Bob not only checked into the Pot Hole net regularly on 75 metres; he also served in recent years as Net Control Station on the Rubber Boot Net, weekday mornings at 7:30 am on repeater VE3MPC.

Bob was never at a loss for words providing his opinion on amateur radio and other matters. Looking back in the OVMRC Rambler archives, we see Bob wrote an article in the November 1993 Rambler titled: “Bob Calver Forecasts – Evolutionary Crisis in Ham Radio”; see it at:

https://www.ovmrc.on.ca/Rambler/Archive/Ram1993-11.pdf

Bob, rest in peace, we will miss your spirited commentary.

MEMBERSHIP FORM

Ottawa Valley Mobile Radio Club, Incorporated
PO Box 41145
Ottawa, ON K1G 5K9

- ✓ *The membership year starts 1 September, and runs until 31 August of the following year.*
- ✓ *Regular membership is open to licensed amateurs.*
- ✓ *Associate membership is open to all unlicensed radio enthusiasts.*
- ✓ *Membership includes a digital subscription to the club newsletter, the OVMRC Rambler.*

NEW ☐ **RENEWAL** ☐ **UPDATE/CHANGE** ☐

Please print legibly

Call Sign	Surname	Perferred first name

Street	Apartment

City	Province	Postal Code

Home/primary phone	Work/other phone	E-mail address

Are you a member of Radio Amateurs of Canada (RAC)? Yes / No

RAC ID: Expiry (YYYY-MM-DD):

Do you wish to order an OVMRC name tag? (+$12.00) Yes ☐ No ☐

Callsign for name tag	Name for name tag

Full Membership (Not a Member of RAC) $35.00/yr ☐
Full Membership (RAC Member) $25.00/yr ☐
Associate Membership (Unlicensed) $25.00/yr ☐

Amount Enclosed
$_____
Cheque / Cash

Circle your interests

Bands	**Modes**	**Building**	**Other**
Microwave	CW	RX	Teaching
UHF	Digital	TX	Speaking/Presenting
VHF	Phone	Antennas	DF/Fox hunting
HF	EME	Test equipment	Contesting
LF and below	Satellite	Other	DXing
	Experimental		Computers/IT
			Other

Signature _____ Date _____ Initials

By initialing this box, I confirm that I consent to receiving e-mail messages from the Club.