

Rambler

Newsletter of the
Ottawa Valley Mobile
Radio Club
Incorporated



December 2018

Edition 56

Page: 1

President's Ramblings

The next of the ten OVMRC meetings for 2018-2019 will be the Christmas Dinner at KS on the Keys Restaurant. Location info and time is posted elsewhere in this edition of the Rambler.

Despite the cold weather, there was an excellent turn out for the November monthly meeting. While billed as a "workshop" I had to squeeze in a tiny amount of club business and had already planned for Ken's presentation on the Pot Hole Net. What an excellent presentation it was, filled with interesting facts spanning the 60th year existence of the net. This 60th year anniversary of the net is such an important milestone Ken is planning and looking for input to produce something of significance to mark the anniversary. Perhaps a special certificate? Stay tuned for updates on this and should you have ideas for Ken to consider please contact him directly either by email or on the weekly OVMRC 2M net.

Now on to the workshop. I must open by saying how humbling it was to receive so many compliments on the success of the workshop idea. The whole idea came to me over the summer while I was trying to dream up something different for a club meeting. We are lucky here to have so many talented people in the area willing to put together and make presentations on a variety of topics, but I was looking for something different for a change. Once deciding on the workshop idea, now what? The

power adapter idea came to me after listening to report after report on all the volunteer mobile communications various club members participate in over the year. Developing an accessory to rob power from a vehicle seemed to be something that would be useful and take advantage of learning to use one of the speciality tools in the club's tool crib. The idea was something I dreamed up but the success of the workshop was due to the assistance of Peter VE3XEM, Arthur VA3BIT and others to help with the crimping process and Norm, VE3LC for his testing Cricket transceivers, portable radios and programming new frequencies into portables. I found it interesting to see members helping members during the workshop as well. That in itself I thought was just awesome. This might be something we will have to repeat at a future meeting. Any ideas out there? Send them to VE3NA@RAC.CA

I also want to encourage continued participation in the EMRG Repeater test. It happens once a month on the first Wednesday of the month starting on VE3OCE. The repeater frequencies and CTCSS Tones are listed in the Rambler.

Since the November meeting, I have also obtained executive approval to move forward with a repeat coax buy for the club. I wanted to formalize this venture since there is a significant up front cost to the club of something in the order of \$1,000.00 or more. It all comes back to the club since we sell the coax to club members at cost but I (Continued on page 3)

INSIDE

President's Ramblings.....	1,3
Field Day Results.....	3
Radio Course Results.....	3
Restaurant Gatherings.....	3
Contest Calendar.....	4
OVMRC Repeater Nets.....	4
Cross Canada C4FM Weekly Net.....	4
Local 2 Metre Nets.....	4
Emergency Measures Radio Group.....	4
OVMRC HF Nets.....	4
Non-Compliance Reporting.....	5
Baofeng Spurious Emissions.....	6-7
Meeting Minutes.....	8-9
Meeting Photographs.....	9
Net Activity Report.....	10
Membership Form.....	11

Meeting Date



Monday

Dec 17th
6:00 P.M.

Christmas Dinner Gathering

KS on the Key Restaurant
1029 Daze St., Ottawa

- **For map:** <https://tinyurl.com/yd6wm2gx>
- **Buffet, \$36.00 all in cost**
- **Please email to confirm you're coming:**

john.mcgowan1314@gmail.com or

VE3NA@rac.ca or VE3LC@rac.ca

OVMRC Executive and Officers 2018-2019

President: Barry Allison, VE3NA

ve3na@rac.ca

Vice-President: Norm Rashleigh, VE3LC

ve3lc@rac.ca

Treasurer: Nicole Boivin, VE3GIQ

ovmrc.treasurer@gmail.com,

Secretary: Ron Smith, VE3LBU

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

Standing Committee Chairpersons

Amateur Radio Training & Accredited Examiner:

Norm Rashleigh, VE3LC

ve3lc@rac.ca

Membership:

Tom Mercer, VE3LJS

va3ljs@rac.ca

Nets & Radio Operations:

Ken Evans, VE3EKN

ve3ekn@gmail.com,

Newsletter Editor:

Robert Cherry, VA3AOD

cw527@ncf.ca

Newsletter Production:

Bill Hall, VA3WMH

bmhall@rogers.com

Webmaster & Social Media:

Darin Cowan, VE3OIJ

ve3oij@amsat.org

Repeater Trustee:

Norm Rashleigh, VE3LC

ve3lc@rac.ca

Activities & Events Chair:

John McGowan, VA3JYK

john.mcgowan1314@gmail.com

Sponsors

The OVMRC acknowledges the following organizations for their support of our activities:

- **KENWOOD ELECTRONICS CANADA INC.**,
Mississauga, ON
- **MAPLE LEAF COMMUNICATIONS**
Web site: mapleleafcom.com/
- **METAL PROS**,
"The Small Quantity Metal Shop"
Ottawa, ON
Web site: www.metalpros.com
- **RADIOWORLD TORONTO**
Web site: www.radioworld.ca

Visit the OVMRC Store

at

<http://www.cafepress.ca/ovmrc>

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

www.ovmrc.on.ca

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 to the editor or by e-mail to:

Robert.Cherry.VA3AOD@ncf.ca

OVMRC Affiliations



(Continued from page 1)
 didn't want to present any surprises to the executive. I have now started shopping for deals on coax, connectors and heat shrink for the project. In support of this, the next tool I plan on purchasing for the club tool crib will be an appropriate coax connector crimp tool. More on this to follow.

Amongst all these goings on, I am still investigating, a "shortened 80 M antenna". Thanks to Michael, VE3WMB, it looks like we might be able to construct a kit for an 80

through 12 M dipole that is only 46 ft long. Michael has used this antenna with great success.

Another action-packed meeting closed. Free coffee and Timbits were enjoyed by many! The club is offering 15 Amp Power Pole connectors for \$1.00 each to club members and \$2.00 each for non-club members. If you want the connector installed on a power cable at the meeting, bring your cable and crimp the connector on at the next meeting. The tools will be available at the meeting. Also, there

are, as of this writing, 6 power adaptor kits remaining.

Finally, don't forget to check out and join the OVMRC group set up by Michael on "groups.io". I made the move and found there is already informative information posted. At last count, 23 members are on line with the initiative.

That's about it for now. Hope to see you at the December Christmas Dinner Meeting.

73
 Barry, VE3NA

Field Day 2018, OVMRC Places 2ND in Canada in 2A Class

The ARRL has published the 2018 Field Day Results in the December QST Magazine. Out of a field of 22 Clubs and Groups competing in

Canada, the OVMRC placed second in the popular 2A class. Bravo to all club members that participated and contributed to our Club's great effort.

Locally, the OVMRC placed above the VE3OFR group and the Ottawa

Amateur Radio Club which placed 3rd and 4th respectively in Canada. First place in Canada in the 2A class was taken by the Kings Co. & Annapolis Valley Amateur Radio Club in Nova Scotia.

- Norm ve3lc

Canadian Ranking, 2A Class, Field Day 2018

	Club	Primary Call	GOTA Call	QSO's	Score
1	Kings Co & Annapolis ARC	VE1LD	VA1AVR	1892	6448
2	Ottawa Valley Mobile RC	VE3JW	VE3RAM	782	4082
3	VE3OFR Group	VE3OFR	VE3KY	1105	4008
4	Ottawa Amateur Radio Club	VE3RC	VE3SHQ	737	3376
5	The Three Amigos Group	VE7SS	-	987	3038
6	Club Radio Amateur de Quebec	VE2CQ	VE2CDX	468	2820

OVMRC Radio Course Report:

Although there was an initial registration of over 40 students enrolled in the Class, like previous years, regular attendance has dropped off. We will wrap up the

course in mid December with a group exams and we are hopeful a good number will take the test. However, we can already congratulate five fellows that have taken the test, passed with honours and got their call sign. Bravo!

Naeed Ahmed.....VE3NGZ
 Ken Charron.....VA3KDZ
 Jim Dodds.....VA3DEF
 Reg Grayston.....VA3WZN
 Paul St-Pierre.....VE3PUL

- Norm ve3lc

Informal Amateur Radio Restaurant Gatherings (All are welcome)

- **QCWA Chapter 70** breakfast gathering every **Tuesday** morning at 7:30 to 10 AM, Summerhays Grill, 1972 Baseline Rd., Nepean
- **Orleans Coffee gathering** every **Friday** morning at 9 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)

Contest Calendar

For all contest information goto:

<http://www.hornucopia.com/contestcal/>

Dec 8 – 9 — ARRL 10-Meter Contest,
<http://www.arrl.org/10-meter>

Dec 29, RAC Winter Contest,
<https://wp.rac.ca/rac-canada-winter-contest-rules/>

Dec 29 – 30 — Stew Perry Top Band Contest,
<https://www.kkn.net/stew/>

Jan 25 – 27 2019 — CQ 160-Metre CW Contest
<https://www.cq160.com/rules.htm>

Jan 26 – 27 — Winter Field Day, Jan 26-27
<http://www.winterfieldday.com/rules>

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 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 will serve as 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>

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 Ken, VE3EKN.
- **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 PM conducted by Pete VE3XEM
- **QCWA Chapter 70 Net,** VE3MPC 147.150 MHz +(*now with 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 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 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 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.

ISED (Innovation, Science and Economic Development) now has an On-Line Form for reporting Non-Compliance to the Department's Certification Standards

Last Month I wrote about testing a LED lighting fixture I purchased at Lowes that didn't indicate on the product or packaging that it had been tested and certified compliant to the Department's interference

causing equipment standard, ICES-005, titled "Lighting Equipment" as required by the Department under the authority and provisions of the Radiocommunications Act of Canada. I tested this product and discovered it produced significant High Frequency (HF) RFI conducted on the AC feed wiring. Wanting to report this finding to the Department, I was advised by an ISED official that complaints of this nature should be made using their Market Surveillance page that has a link to a Web Form to provide your contact and necessary product information. The form also has a provision to upload report

documents and pictures. I completed the form giving my contact information and relevant information showing the testing results I obtained using my Rigol Spectrum analyser. I have now received acknowledgement by return email that the Department is investigating this matter and will report further.

The "Non-Compliant Equipment Reporting Form" can be found at:

<https://www.ic.gc.ca/eic/site/ceb-bhst.nsf/frm-eng/EABV-AGDHBL>

Here is a portion of the Department's on-line reporting form:

Certification and Engineering Bureau	<h3>Non-Compliant Equipment Reporting Form</h3>
Requests and inquiries	Privacy Notice
General notices	* Product (marketing) name (required)
Equipment market surveillance	<input type="text"/>
Wireless program	* Product brand and /or manufacturer name (required)
Specific absorption rate	<input type="text"/>
Terminal attachment program	* Type of product (description) (required)
Publications	<input type="text"/>
Conformity assessment bodies	Where did you see the product? Where is it offered? (store, online)
Certification program	<input type="text"/>
E-filing	Describe the non-compliance (e.g. labelling, do not meet technical requirements, non-certified, etc.)?
Mutual recognition agreements/ arrangements	<input type="text"/>

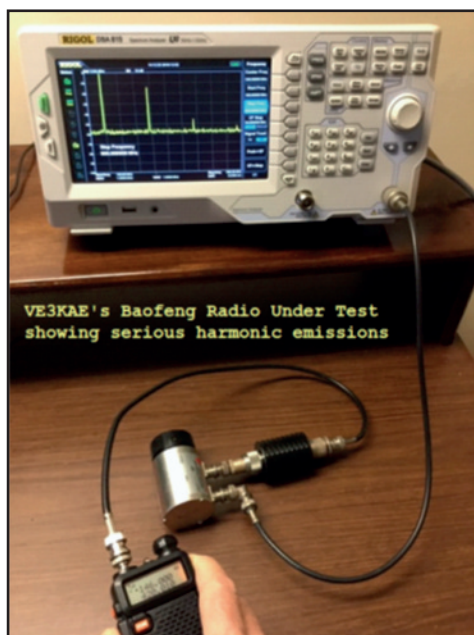
As part of the Department's Market Surveillance program, ISED is interested in receiving reports from the public about products for sale in Canada that should be covered by Department's standards but don't comply.

- Norm ve3lc@rac.ca

VE3KAE's Baofeng Portable has serious out-of-band Spurious Emissions.

For the November meeting "Workshop", I made available my Rigol DSA 815 spectrum analyser to test for transmitter out-of-band spurious emissions. Alan VE3KAE brought his new Baofeng UV5R portable radio to the meeting for testing bought recently from a BC based retailer. We were surprised at the results!

The 2nd harmonic output of the transmitter was only 12 dB down from the transmitter fundamental carrier when transmitting in the 2 metre band. This means this radio is highly likely to cause out-of-band interference in the range 288 to 296 MHz. Since the radio is rated at 4 watts RF output, the 2nd harmonic signal is in the order of 250 mW which is a significant amount of out-of-band power.



Although normal 2 metre / 70 cm Baofeng UV5R radios tested previously met the FCC Part 97 amateur radio criteria of 40 dB

suppression of harmonic output, (see Part 97.307); we suspect this product was different because it was advertised and sold as a "Tri-Band" that included transmit operation on the 1.25 metre band (222 to 225 MHz) as well as the 2 m and 70 cm bands. I suspect that the radio transmitter design to accommodate transmitting of the 222 MHz band uses a single modified harmonic filter for both the 2 mtr and 1.25 mtr bands and therefore cannot adequately suppress the 2nd harmonic when transmitting on 2 metres in favour of allowing un-impeded output when transmitting on the 222 MHz allocation.

Interesting, the technical specification page in the Baofeng manual indicates that the product has spurious emissions equal to or greater than 60 dB (below transmit carrier). Indeed false advertising!

I consulted by phone with an official at the ISED Certification Bureau and he indeed would like a report on this product. I will be submitting it through the Department's Non-Compliance Equipment Reporting Form. Noted was the fact that Baofeng radios are not certified by any Canadian ISED standard. Some of the mainstream amateur radio products such as Kenwood, Yaesu and Icom indicate a FCC and IC certification ID number.

Interestingly, in both countries, this compliance certification relates to the product as a "Analogue Scanner Receiver" which has nothing to do with transmitter performance testing of the transceiver. In Canada, Radio Standard Specifications (RSS-215) applies which covers testing for certification of all receivers capable of scanning programmable channels outside the amateur

allocations. Equipment operating solely in the amateur bands is exempt from certification in Canada. Nevertheless, according to the Department official, when it comes to amateur equipment operation, the individual radio amateur accepts all responsibility for the proper operation of his/her equipment to ensure it does not generate interference to other radio services outside amateur allocations. The Baofeng equipment in question of course can receive and transmit outside the amateur allocations that thus must be certified under applicable Canadian "Radio Standard Specifications" such a RSS-119 that covers Licensable "Land Mobile" service equipment; something the Baofeng portable in question could not meet technically. Based on our conversation with the Department official, to be imported or marketed legally in Canada while being exempt from certification, the equipment must not be able to transmit outside amateur allocations and used solely by certified radio amateurs and/or a receiver manually tunable that does not employ programmable or present channel frequencies, else it must be certified under RSS-215.

References:

RSS-215:

<https://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf01943.html>
Analogue Scanner Receivers

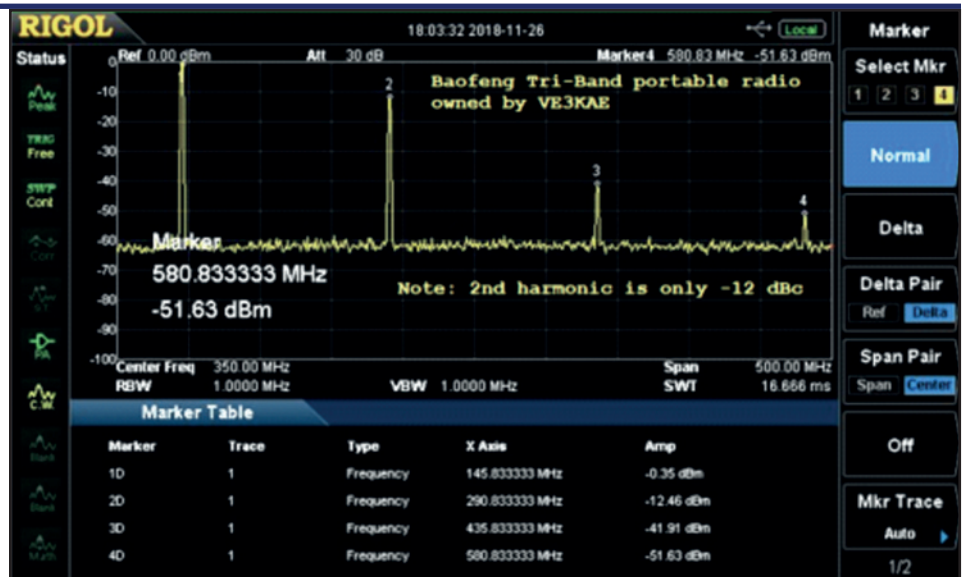
RSS-119:

<https://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf01063.html> Land Mobile and Fixed Equipment

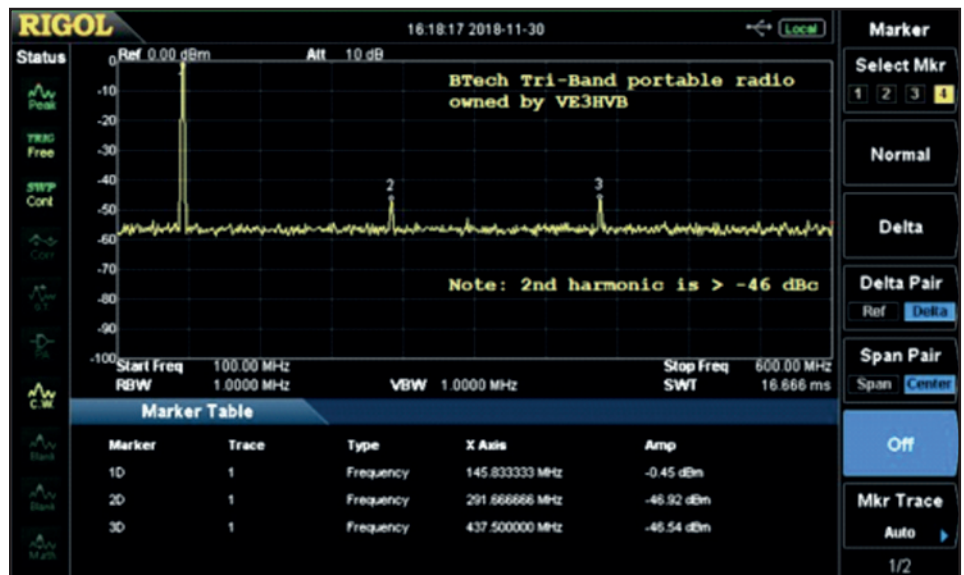
RSS-210:

<https://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf01320.html> Licence-Exempt Radio (includes FRS)

To the right is a spectrum analyser screen capture showing the transmitted harmonic output of the Baofeng UV5R portable “Tri Band” radio owned by VE3KAE transmitting on 2 metres. Note the second harmonic is only 12 dB down from the fundamental carrier.

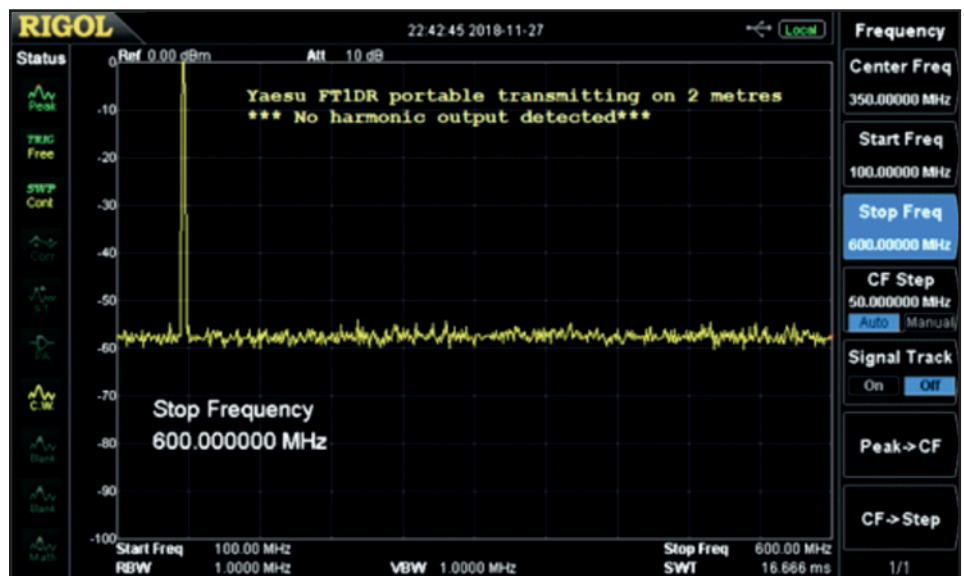


However not all Baofeng “Tri-Band” Radios are the same. I also tested a radio owned by Hunter, VE3HVB. This one was bought from “Baofeng Tech” or BTEch. This South Dakota company claims their radios are reworked versions of the common UV5R model from China with optimized performance on the 2 mtr, 1.25 mtr and 70 cm amateur bands. The reworked radio now sport the model designation UV 5X3.



I tested Hunter’s radio for spurious emission. Much better than the one owned by Alan VE3KAE; the second harmonic on Hunter’s radio is a respectable 46 dB below the fundamental on 2 mtrs.

I also tested my Yaesu FT1DR transmitting on 2 metre; no issue with this radio; there was no harmonic output detected, clean as a whistle!



Conclusion:

- Beware of Harmonic output from your amateur radios, especially the inexpensive products imported from China.
- If you are concerned about spurious emissions, be in touch with me and we can arrange testing of your radio using my spectrum analyser.

- Norm VE3LC@rac.ca

Meeting Minutes

Date / Time: Wednesday,
November 21, 2018; 19:30

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

1. Call to order:

The President, Barry Allison, VE3NA called the meeting to order at 19:18. There were 33 Members, 1 Associate Member and 3 guests in attendance for a total of 37. Barry welcomed everyone.

2. Approval of minutes from previous meeting:

MOTION: Moved by Tim Bailey VE3TXB and seconded by Alan Fricker VE3KAE, that the minutes of the previous meeting held Wednesday, October 17, 2018, be approved.

VOTE: All in favour.

CARRIED.

3. Greetings: New Amateurs, guests and visiting amateurs included:

Naeem Ahmed.....VE3NZG

Claudio Menendez.....VA3LUA

Claude Bastien.....VA2ZCB

4. Announcements, Projects and Events:

Agenda and Meeting Content:

Barry Allison, VE3NA outlined the agenda for the meeting.

A) Haves– Rob Hadow, VE3RXH, has extra dummy loads for the Cricket.

B) Workshop - Tonight's meeting will be devoted to a workshop "maker" session with a free giveaway. Members will build their own 12V mobile connector that can be run off your vehicle's power outlet. This project uses power pole connectors with a length of DC power cable and a fused plug. Club crimper tools are being provided. In addition, Norm Rashleigh, VE3LC, will be testing the completed Cricket sets during the evening. If Members brought their Handheld transmitters, Norm will be able to test those HT's as well.

C) Pot Hole Net Presentation: Ken Evans, VE3EKN, Operations Manager for the OVMRC presented an informative history of the formation of the Pothole Net in honour of its 60th anniversary year. Several slides were prepared dating back to March, 1958, Vol 1, #2 of the predecessor to the 'Rambler'. Several references were made to the club's formation and mentions of one of the club's founders, Ed Morgan. References were also found for the 80-metre frequency 3760, which became the home of the Pot Hole Net.

D) Other Announcements -

i. John McGowan, VA3JYK, reminded OVMRC members to sign up for the upcoming Christmas Dinner at KS on the Keys on Daze Street. Please include your guest requirement, where applicable, on the sign-up sheet. The Dinner will be Monday, December 17th at 6 PM Highlights on the menu include Chicken

Marsala, Roast Beef and special dessert choices.

ii. Barry, VE3NA reminded Members to check in and sign up for the OVMRC Groups in groups.io. He also gave Members a heads up that an 80M/40M HF antenna kit was in the works. Details to come soon.

E) Event Activities for the Year

– Check the Rambler on line or refer to your email for the monthly newsletter. There is a link in the Rambler for upcoming contests and event activities. Please log in and review. Barry Allison VE3NA reminded members of the Emergency Repeater Frequency tests on the 1st Wednesday of every month on VE3OCE. The necessary CTCSS Tones are also available in the Rambler.

After tonight, there are 7 remaining get togethers which will include the Christmas Dinner. Special meeting activities to come will include Check Your Rig, Mini Flea Market, Transmitter Hunt, Field Day organization session, promoting haves and wants, Lighthouse on the Air, Satellite contacts, and ARISS. Members are reminded of the year end attendance draw for the MFJ Antenna Analyzer valued at \$450.00. The President also asked members for meeting and guest speaker ideas. Contact Barry Allison at VE3NA@rac.ca.

5. Prizes and Draws:

The 50/50 draw for \$41.00 was won by Dave Scott, VE3ZZU.

6. Upcoming contests:

For detailed information on upcoming contests, see the WA7BNM Contest Calendar at <http://www.hornucopia.com/contests/cal>

7. Adjournment:

MOTION: Moved by Tom Mercer, VA3LJS. that the business portion of the meeting be adjourned.

The business meeting was adjourned at 20:15

8. Feature Workshop

– the Workshop began with a detailed slide show by Barry Allison, VE3NA. Members were shown in detail the various steps involved in assembling the 12 V mobile connector using Anderson Power pole connectors. Following the slide presentation, Members proceeded to their workstations and assembly began.

9. Next meeting:

Christmas Dinner for OVMRC Members will be held at KS on the

Keys at 6pm, Monday, December 17th. Spouses and guests welcome. Per person cost is approximately \$36, refreshments extra. Contact John McGowan VE3JYK to sign up.

The next business meeting of the OVMRC will be held Wednesday, January 16th, 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*

Pictures from the November Meeting Workshop

Thanks to Steve VA3MPS



Rob VE3RXH is Crimping his Power Pole connectors. Arthur VA3BIT helps in background



Heat Shrink Tubing being Shrunk



Norm VE3LC takes Wray VA3EO's Cricket 30 Kit to test power for output and receiver sensitivity.

OVMRC Net Activity, Check-ins during the last month

Prepared by: Ken Evans, VE3EKN

OVMRC 2 Metre Net, VE3TWO 147.300+ 100 Hz tone, Thursdays 8 PM local

November 1	November 8	November 15	November 22	November 29
VE3RUU	VE3RUU	VE3RUU	VE3LC	VE3RUU
VE3NA	VE3NPO	VA3ZTF	VE3KTN	VE3XQQ
VA3ZTF	VE3KAE	VE3QSO	VA3BIT	VA3ZTF
VE3NPO	VE3RXH	VE3LC	VE3NA	VE3LC
VE3KAE	VA2EEK	VE3NA	VE3LBU	VE3QSO
VE3KTN	VA3RLA	VE3LBU	VA3RLA	VE3KTN
VA3ZZW	VE3NA	VE3KTN	VA3ORL	VE3KAE
VA2EEK	VE3ZZU	VA3RLA	VE3GIQ	VA3RLA
VE3LBU	VE3LBU	VE3KAE	VE3ZZU	VA3ORL
VE3ZZU	VA3ZZW	VE3VIG	VA3EGY	VE3NA
VE3BOE	VE3HVB	VA2EEK	VE3QSO	VE3ZZU
VE3SGG	VA3ZTF	VE2BJZ	VA2EEK	VE3SGG
VA2MA/M	VE3QSO	VE3SGG	VE3KAE	VA2EEK
VA3RLA	VE3VIG	VA2RWN	VA3ZZW	VA3ZZW
VA3BGO	VA3ORL	VE3EKN	VE3VIG	VE3LBU
VE3EKN	VE3EKN		VE3HVB	VE3GIQ
			VE3RXH	VE2BJZ
			VE3EKN	VE3VIG
				VA3BGO
				VE3BF
				VE3EKN

OVMRC POT HOLE NET 3760 kHz SSB Sunday mornings at 10 am local

October 28	November 4	November 11	November 18	November 25
VE3EKN	VE3BAE	VE3BAE	VE3LC	VE3EJJ
VE3XRA	VE3NPO	VE3LC	VE3EJJ	VA3ZTF
VE3LC	VE3KTN	VE3XRA	VA3ZTF	VE3LC
VE3NA	VE3NA	VE3BGO	VE3KTN	VE3KTN
VE3KTN	VE3BGO	VE3KTN	VE3NA	VA3BGO
VA3BGO	VE3EKN	VE3NPO	VE3EKN	VE3EKN
K1TTT	VE3EJJ	VE2HOG	VA3BGO	VE3NA
VE3NPO	VA2JWW	VE3EJJ	VE3XRA	VE2HOG
VE3EJJ	VA3KS			VE3NPO
	VE3XRA			VE3DZZ
				VE3XRA

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 <input type="checkbox"/>	RENEWAL <input type="checkbox"/>	UPDATE/CHANGE <input type="checkbox"/>	
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 <input type="checkbox"/> No <input type="checkbox"/>			
Callsign for name tag		Name for name tag	
Full Membership (Not a Member of RAC)	\$35.00/yr <input type="checkbox"/>	Amount Enclosed \$ _____ Cheque / Cash	
Full Membership (RAC Member)	\$25.00/yr <input type="checkbox"/>		
Associate Membership (Unlicensed)	\$25.00/yr <input type="checkbox"/>		
Circle your interests			
Bands Microwave UHF VHF HF LF and below	Modes CW Digital Phone EME Satellite Experimental	Building RX TX Antennas Test equipment Other	Other Teaching Speaking/Presenting DF/Fox hunting Contesting DXing Computers/IT Other
Signature _____	Date _____	<div style="border: 1px solid black; width: 60px; height: 30px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> Initials </div>	By initialing this box, I confirm that I consent to receiving e-mail messages from the Club.