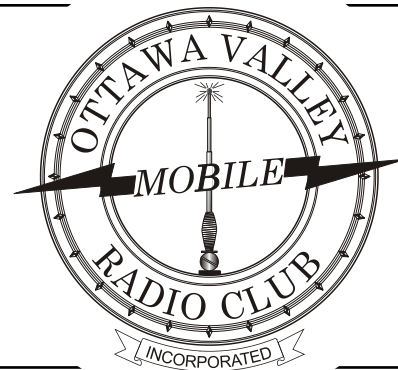


Rambler

Newsletter of the
Ottawa Valley Mobile
Radio Club
Incorporated



Feb 2017

Edition 61

Page: 1

President's Ramblings

For hams that travel to Florida, February is the month for "HamCation" (www.hamcation.com) in Orlando, Florida; this is the 2nd largest hamfest in North America, 2nd only to the Dayton (Ohio) Hamvention in May. I've attended the HamCation 3 day event many times in past years but not since I've become more involved with the OVMRC. I think next year, we'll be venturing down there again. It's a good place to meet up with other Canadian snow bird hams seeking warming weather.

Thirty-five members and guests enjoyed the presentation from Ray Perrin, VE3FN at the January meeting. Ray told about his exploits on the microwave ham bands setting DX records of several hundred kilometres on the 10, 24 and 47 GHz amateur allocations. Included in Ray's presentation was a show-and-tell of his 24 GHz portable station that he used to communicate over a distance of 235 km; see the picture of Ray and his equipment taken at the January meeting. Thanks for a wonderful presentation Ray!

Our featured presentation for the February meeting will be on the subject of the Yaesu Wires X internetworking system by Club member Denis Rule, VE3BF

(congratulations on your new 2 letter call sign Denis). The Wires X system is Yaesu's answer to providing a world-wide network of user "nodes" connected together through the internet. This network supports end-to-end communications using the Yaesu C4FM digital voice and signalling protocol. A server on the system in Japan supports multi-party conference communications in what Yaesu calls "rooms". Denis uses his Wires X node station to provide Ottawa area hams network access through VE3TWO to a Wednesday evening C4FM Cross Canada net.

Bryan Rawlings, VE3QN brought to my attention "WebSDR" (www.websdr.org) that provides a listing of approximately 150 (+/- a few) Software-Defined-Radio receiver sites connected to the internet allowing many listeners to listen and tune parts of the radio spectrum simultaneously from various parts of the world. SDR technology makes it possible for all listeners to tune independently, and thus listen to different signals. More on this later in this issue. If there is time, we may give a short on-line show and tell at the February meeting and show folks how it works.

We have again put in a request to the Museum folks to host our June Field Day on the grounds of the Aviation (Continued on [page 3](#))

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Meeting Dates

Club Meetings:

Wednesday, Jan 15th
7:30 P.M.

OVMRC Meeting

Aviation Museum
Bush Theatre

Speaker: Denis Rule, VE3BF

Subject: Yaesu Wires X Networking



Thursday, Feb 23rd
7:15 P.M.

Exam Session

Aviation Museum
Classroom

To schedule an exam contact:

VE3LC@rac.ca

OVMRC Executive**2015-2016****President:** Norm Rashleigh, VE3LCve3lc@rac.ca**Vice-President:** Barry Allison, VE3NJKve3njk@rac.ca**Treasurer:** Nicole Boivin, VE3GIQovmrc.treasurer@gmail.com,**Secretary:** Frank Fullum, VE2KOIVE2KOI@rac.ca**Standing Committee
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For information about the duties and responsibilities about all Executive and Chair positions, please visit the OVMRC forums, Member section or contact any member of the Executive.

Sponsors

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

**• KENWOOD ELECTRONICS
CANADA INC.,**

Mississauga, ON

• METAL PROS,*"The Small Quantity Metal Shop"*

Ottawa, ON

Web site: www.metalpros.com**• PEPPERS RADIO SALES,**

Rockland, ON

Email: peppersradio@videotron.caWeb site: www.peppersradio.net**• RADIOWORLD TORONTO**Web site: www.radioworld.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

Amateur Radio Exhibit**VE3JW**

Web site:

ovmrc.on.ca/ve3jw.htm

Canada Science & Technology
Museum

*Is temporarily off the air due to the closure of
the Canada Science and Technology Museum*

Visit the OVMRC Store

at

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

The Rambler is the official newsletter of the Ottawa Valley Mobile Radio Club Incorporated and is published 11 times a year (monthly, except for July). 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](mailto:Robert.Cherry@VA3AOD)

Ottawa Valley Mobile Radio Club, Incorporated**PO Box 41145****Ottawa, ON K1G 5K9****www.ovmrc.on.ca**

(Continued from [page 1](#)) and Space Museum for the last weekend in June. We are also in talks with the Ottawa Amateur Radio Club and West Carleton ARC to combine efforts in a joint field day operation for the Canada 150 year anniversary. We will be pushing to have our FD, combined or not, at the Aviation Museum

because it is so easy to draw public attention to the site. I hope to have more to report on this at the February meeting following a meeting with the folks at the OARC.

We are having another exam session at the Museum Thursday February 23rd. For existing hams,

this is an opportunity to upgrade your qualification. Let me know and we can have an exam ready for you to write.

73 and cu all at the Meeting, Weds Feb 16th

de Norm Rashleigh, VE3LC
ve3lc@rac.ca

Meeting Minutes

Date / Time: Wednesday, January 18, 2017, 19:30

Location: Canada Aviation and Space Museum

1. Call to Order:

The President, Norm Rashleigh, VE3LC, called the meeting to order at 19:30. There were 29 in attendance.

2. Greetings:

Guests and visiting amateurs:
Gilbert Brunette, VE3JRY
Bob Harrington, VE3YYG
Harold Hamilton, VE3UNK

3. Approval of Last Meeting Minutes:

MOTION: Moved by Tim Baily, VE3TXB and seconded by Steve Middleton, VE3RUU that the minutes of the last meeting be approved.
CARRIED.

4. Show and Tell:

Jocelyn Tremblay, VE3JCT showed a coax tester that he built based on an article in October 2016 issue of QST magazine (page 64).

Norm Rashleigh, VE3LC showed a small 15 milliwatt 2-meter transmitter that was recently purchased for club use. The transmitter is a Byonics Micro-Fox 15. This transmitter, plus an additional one to be purchased shortly, will be used for the next OVMRC Foxhunt activity.

5. Announcements and News:

Harold Hamilton, VE3UNK gave an update on the situation regarding

the participation of amateur radio at the Canadian Ski Marathon (CSM) in February. Amateur radio has played a key role in providing a radio communications network at the CSM in the past. This year the organizers of the CSM have chosen to contract a private safety company to provide safety services during the event. For this reason, the role of amateur radio this year is greatly reduced, and Harold has already more volunteers than are needed for the event.

Harold also mentioned the following annual events that require amateur radio volunteers:

- CN Cycle for CHEO
- Annual Rideau Lakes Cycle Tour (Ottawa Bicycle Club)
- Lanark Highlands Forest Rally (Motorsport Club of Ottawa)
- Rally of the Tall Pines (Canadian Rally Championship, Bancroft, Ontario)
- Lap the Gats for Parkinson`s
- MS Bike – Ottawa to Cornwall

Denis Rule, VE3DRE has been conducting a cross Canada C4FM net on VE3TWO.

6. Upcoming Contests:

Run for the Bacon QRP Contest,
Jan 16
<http://qrcontest.com/pigrun/>
ARRL January VHF Contest,
Jan 21-23
<http://www.arrl.org/january-vhf>
CQ 160 Metre Contest CW,
Jan 27-29

<http://www.cq160.com/rules.htm>
10-10 Int. Winter Contest SSB,
Feb 4-5

<http://www.ten-ten.org/>
CQ WW RTTY WPX Contest,
Feb 11-12

<http://www.cqwprrtty.com/rules.htm>

ARRL Inter' DX Contest CW,
Feb 18-19
<http://www.arrl.org/arrl-dx>
CQ 160 Metre Contest SSB,
Feb 24-26

<http://www.cq160.com/rules.htm>

For other contests, see the WA7BNM Contest Calendar at <http://www.hornucopia.com/contestcal>

7. Feature Presentation:

Ray Perrin, VE3FN gave a presentation on *Amateur Microwave Communications*.

8. Prizes and Draws:

Prizes (there were so many this month!), were won by the following lucky individuals:

Ernie Jury, VE3EJJ,
Tom Mercer, VE2LJS
Stephane Vermette, VA3SPV
Ken Evans, VE3EKN
Tim Baily, VE3TXB
Erhan Kum, VA3KUM
Marcel Lemay, VE3FNG
Douglas King, VE3YDK
Steven Lemay, VA3SVN
Brian Rawlings, VE3QN

The 50/50 draw was won by Stephane Vermette, VA3SPV

9. Executive and Chair Reports:

9.1. President – Norm Rashleigh, VE3LC:

Norm reported that there has been a proposal that all Ottawa area amateur radio clubs hold a joint field day this year as part of the Canada 2017 celebration. This joint field day would include the participation of the OVMRC, the OARC and other Ottawa area amateur radio clubs. Initial discussion is taking place via email. An update on progress will be made to the club at the meeting in February.

Norm also reported that the club received a phone call from the staff at the Canada Science and Technology Museum. The purpose of the call was to discuss the Museum's project to re-provision the site, and get a response from the OVMRC regarding details of what is required for the amateur radio station. At the time of the call, the Museum was looking for general electrical and Internet requirements only.

9.2. Treasurer - Nicole Boivin, VE3GIQ:
Nicole reported that the Club has \$ 25,576 on deposit. The club is looking to invest some of the funds into interest-bearing GICs. The club's insurance and RAC affiliation have been renewed. The club has made donations (budgeted), as follows:

- the Defense of Amateur Radio Fund (DARF) \$600.00
- the RAC Scholarship and Grant Program \$400.00

9.3. Membership - Tom Mercer, VE3LJS:
Tom reminded members in attendance to renew their membership, if they had not already done so.

9.4. Repeater - Norm Rashleigh, VE3LC:
Norm reported that the repeater is set to transmit at 50W but that it is not rated for 50W continuous duty, such as would occur when a

net is being held for a period of up to one hour. Norm suggested that it may be necessary to reduce the output power to 20W.

9.5. Radio Operations – Ken Evans, VE3EKN:
Ken announced that participation in the club's 2-meter and 80-meter nets is increasing. Ken would like to solicit additional net controllers for the OVMRC nets. Should anyone be interested they should contact Ken via email at VE3EKN@gmail.com.

Ken reminded us of the club's upcoming Larry Wilcox 2-meter contest. Ken is still in the planning phase and will provide more details at future club meetings.

10. Adjournment:

The meeting was adjourned at 21:30.

*Minutes recorded by Frank Fullum, VE2KOI
OVMRC Secretary*

What's Happening Elsewhere!

Check it out; let us know what's going on in your club.

Ottawa Amateur Radio Club (OARC)

www.oarc.net/blog/:

Ottawa Valley QRP Society:

www.qsl.net/va3ovq/VA3OVQ/Welcome.html

The Ottawa Valley QRP Society is a group of Amateur (Ham) Radio operators in the Canadian National Capitol Region with an interest in QRP (low-power) operating, equipment homebrewing and antenna experimentation. The group holds the Amateur Radio call sign VA3OVQ. Membership is free and open to anyone in the National Capitol region with an interest in low power Amateur Radio.

Our monthly dinner meetings are :

At 5:00 P.M. on the second Wednesday of each month at Donna's Express Restaurant at the corner of Churchill and Scott Streets in Ottawa.

We have an online discussion group on Yahoo Groups called ov-qrp.

See:

groups.yahoo.com/group/ov-qrp/ for details or email va3ovq at qsl.net.

Rideau Lakes Amateur Radio Club (RLARC)

ve3rlr.dyndns.org/:

West Carleton Amateur Radio Club

www.wcarc.on.ca

VE3ORF/3730 Group

www.ve3orf.com/

CRAO Club Radio Amateur Outaouais (CRAO)

Thanks to Ray Perrin, VE3FN who gave the feature presentation about his Amateur Microwave Activity as part of the program at the January Meeting.



Ray Perrin, VE3FN with his 24 GHz microwave station

Inside Ray's home brew microwave station equipment showing individual components.



Mobile Radio As it used to be – circa 1924

We've come a long way Baby!

OVMRC Net Activity, Check-in during the last month

Prepared by: Ken Evans, VE3EKN

OVMRC POT HOLE NET Report – 3760 kHz SSB Sundays at 10 AM local time

January 1	January 8	January 15	January 22	January 29
VE3LC	VE3NLW	VE3NPO	VA3BGO	VE3EJJ
VE3DRE	VE3BAE	VE3EJJ	VA3PCJ	VE3LC
VE3EKN	VE3LC	VE3LC	VE3DRE	VE3BF
VA3BGO	VE3DRE	VA3PCJ	VE3LC	VA3BGO
VE2HOG	VA3PCJ	VE3DRE	VA3ZTF	VE3EKN
VE3LLX	VE3EJJ	VA3BGO	VE3EKN	VE2HOG
VE3EJJ	VE3EKN	VE3EKN	VE3EJJ	VE3XRA
	VA3BGO	VE3YCB/VE2		
	VE3XRA	VE3XRA		

OVMRC 2 METRE NET Report -

VE3TWO repeater 147.300 MHz + 100 Hz tone, Thursdays 8 PM local time.

December 29	January 5	January 12	January 19	January 26
VE3LC	VE3LC	VE3DRE	VE3LC	VE3LC
VE3GIQ	VA3ZTF	VE3GIQ	VA3ZTF	VE3KLT
VE3RUU	VE3NJK	VA3ZTF	VE3TXB	VE3RUU
VA3ZTF	VE3TXB	VE3RNM	VA3MPS	VE3NJK
VA3MPS	VA3MPS	VA3RLA	VE3LBU	VE3BF
VE3ZZU	VE3ZZU	VA3PCJ	VA3QV	VE3GIQ
VA3QV	VE3LBU	VE3DHE	VA3ORL	VA3HWA
VE3NJK	VA3JYK	VE3LBU	VE3ZZU	VA3MPS
VA3PCJ	VE3DRE	VE3NJK	VE3DRE	VE3LBU
VE3LBU	VE3RNM	VE3ZZU	VE2BJZ	VA3ZTF
VE3DRE	VE3KLT	VE3LC	VA3JYK	VE3ZZU
VE2OCQ	VA3BGO	VA3MPS	VE3RNM	VE3TXB
VA3AOD	VE3RUU	VA3JYK	VA3AOD	VA3AOD
VE2BJZ	VA3AOD	VA3AOD	VE3RMJ	VE3DHE
VE3KLT	VE3YDK	VE3KLT	VE3EKN	VE3YCB/VE2
VE3TXB	VE3EKN	VA3ORL		VE2BJZ
VA3BGO		VA3BIT		VE3RMJ
VA3JYK		VE3RUU		VE3YDK
VE3EKN		VE3TXB		VE3EKN
		VE3EKN		

WebSDR

(www.websdr.org)

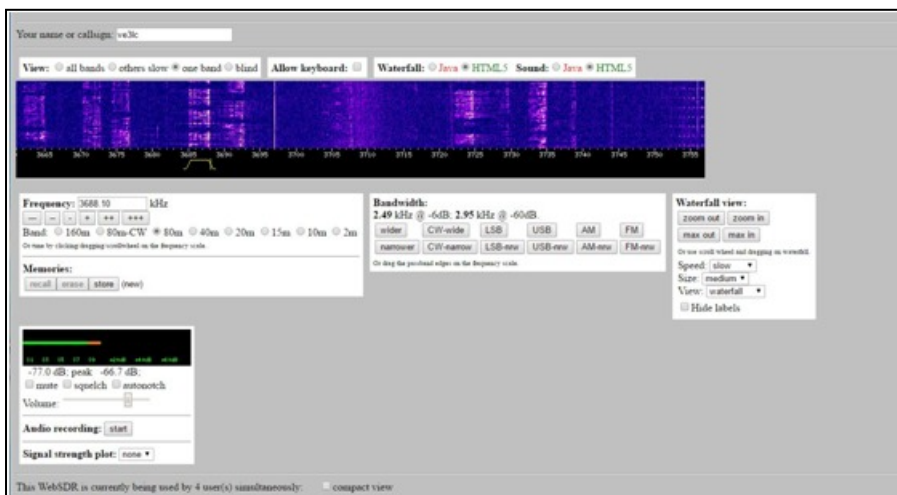
As I mentioned in my President's Ramblings, Bryan, VE3QN brought to my attention WebSDR, that offers the radio amateur community the ability to tune various parts of the radio spectrum remotely from various Software Defined Radio (SDR) receivers located in various parts of the world. These receivers are established by volunteer radio amateurs around the world based on

common Linux OS software developed and offered by Dutch ham Pieter-Tjerk de Boer, PA3FWM upon request for those wishing to set up another remote SDR receiver onto the system. Actual receiver hardware includes the "FunCubeDongle", "Softrock" kits and even the cheap RTL-SDR dongles for VHF/UHF reception coverage. At the remote receiver sites, the HF or VHF/UHF bands available are dependent on the SDR receiver hardware and site antennas. The amount tuning range (band-

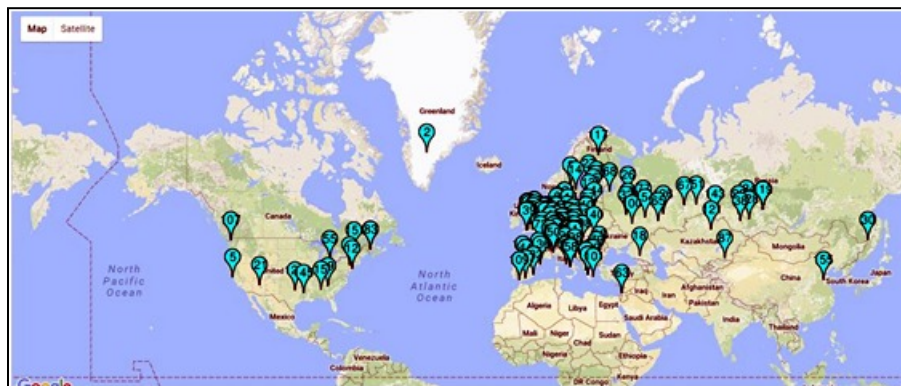
width) is limited based on the reasonable bounds of internet data bandwidth between a receiver server and an end user client. It is particularly interesting to try receiving your own transmitted signal from various remote receivers and test your own transmit propagation path. Also, it may be advantageous to try an alternate receive site while in an active QSO that may provide better reception of the station you are in contact with.

<p>WebSDR at the University of Twente, Enschede, NL http://websdr.ustronix.nl/8951 JO3ZKF: 340 users</p>	0.000 - 29.160 MHz	Mum-Whip
<p>WebSDR receiver http://35.165.168.126/ GP86EX: 32 users</p>	6.998 - 7.190 MHz	Inverted-V
	3.575 - 3.767 MHz	Arcala
<p>160m, 60m, 80m, 40m and 17m SDR's from Nantwich in Cheshire http://backgreen.org/8901/ IO83RA: 84 users</p>	1.804 - 1.996 MHz	204 foot long double size G5RV
	3.600 - 3.792 MHz	
	5.237 - 5.428 MHz	
	7.008 - 7.200 MHz	
	14.130 - 14.322 MHz	
<p>WebSDR in C3 Ordino - ANDORRA PRINCIPALITY - ARDAM Ham Radio Association - RX 4 pcs FunCubeDonglerPro- http://sdrradiomorn.org/8901/ JN02SN: 16 users</p>	7.008 - 7.200 MHz	Half wave Dipole
	5.262 - 5.454 MHz	Short dipole
	3.610 - 3.802 MHz	Half wave Dipole
	14.043 - 14.235 MHz	
<p>KFS WebSDR HF receiver system on the Pacific coast south of San Francisco, CA http://49.22.184.62/8901/ CM87y: 17 users</p>	1.879 - 1.927 MHz	
	3.800 - 3.992 MHz	
	5.344 - 5.392 MHz	
	6.943 - 7.135 MHz	TCI Model 530 Log-Periodic Antenna (omni, 6 dB gain)
	7.125 - 7.317 MHz	
<p>FIF1 SDR's & RTL-SDR - WebSDR North Germany Friedrichstadt 12 km south of Husum http://kissupda.de/8901/ JO44ZL: 5 users</p>	1.801 - 1.993 MHz	Dipol 2 x 19.50
	3.599 - 3.791 MHz	
	7.014 - 7.206 MHz	
	25.988 - 28.036 MHz	Gain Master
	27.976 - 30.024 MHz	
<p>WebSdr in Santa Rita do Sapucaí, MG, Brasil http://47.47x.asi.br/50500/ GG77DR: 28 users</p>	144.026 - 146.074 MHz	x 300 N
	437.476 - 439.524 MHz	
	3.609 - 3.801 MHz	Horizontal Delta Loop
	6.994 - 7.186 MHz	Two Elements Cubical Quad
	7.166 - 7.358 MHz	
	14.100 - 14.292 MHz	G5RV
	26.960 - 29.008 MHz	

1. List of a Few of the Receiver Sites available on the www.websdr.org site available for remote listening:



2. Screen Shot of Web based user interface to control selected remote SDR receiver showing band and frequency selection, mode selection, BW control, S meter and audio volume control:



3. Screen Shot of world map showing the geo-positioning of the various on-line remote receivers available to try:

Give Web SDR a try, especially if you are new ham and haven't yet obtained an HF receiver and antenna.

- Norm VE3LC

Coax Cable Tester

by Jocelyn Tremblay, VE3JCT

In the show and tell portion of the January meeting, Jocelyn VE3JCT showed his latest project for testing coaxial cables terminated with BNC or UHF or type N connectors. The tester will show that there is proper continuity between ends, shield to shield and tip to tip. A switch selects which aspect you are testing. Otherwise, a neutral switch position will show a "shorted", tip to shield. As you can see in the photo below, the tester uses parallel connected flange mount female SO 239, type N and type BNC connectors and is powered by a 9 volt battery. Jocelyn says he got the idea from the October 2016 issue of QST.

Nicely done Joc- !

OVMRC Repeater VE3TWO:

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

VE3TWO Scheduled Nets:

- **Wednesday** Evenings, 9 PM, Across Canada Net, C4FM Digital Voice facilitated by Denis VE3BF.
- **Thursday** Evenings, 8 PM, Club Net on Analogue FM conducted by Ken VE3EKN.
- **Sunday** Evenings, 8 PM, Ottawa Digital Voice C4FM Net conducted by Denis VE3BF.



Contest Calendar

All Contests

hornucopia.com/contestcal/

Feb 24-26

CQ 160 Metre Contest SSB

cq160.com/rules.htm

Mar 4-5

ARRL Inter' DX Contest SSB

arrl.org/arrl-dx

Mar 11-12

RSGB Commonwealth Contest

rsgbcc.org/hf/rules/2017/rberu.shtml

Mar 25-26

CQ WW WPX Contest, SSB

cqwp.com/rules.htm

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 <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	Initials	<i>By initialing this box, I confirm that I consent to receiving e-mail messages from the Club.</i>
_____	_____		