

Rambler

Newsletter of the
Ottawa Valley Mobile
Radio Club Inc. (OVMRC)
Volume 48, Issue No 9



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OVMRC meeting 15 Apr 2004

The speaker at the Apr 15th meeting will be Mr Winston Seeney of Havelock, Ont. In order to introduce Mr Seeney, here is a list of some of his activities as found on the QRZ web site:

“Published in Popular Communications, The Canadian Amateur, 73, ODXA Listening In Operating Experience The Polar Bear Express Belcher Islands Camp X special event station Shopping Cart Mobile, Barbados Cattlewash Dxpediton, Barbados Farley Park, Barbados Interviewed on The Voice of the Andez, DX party Guest in Tom Myer’s, Radio Nederland Happy Station. Radio Speaking Radio Clubs around Ontario ODXA Convention Keynote: Radio Amateurs Canada national Convention.”

Mr Seeney will give us a short presentation of Durham Radio and equipment and then will speak on “Having fun in Amateur Radio”. All Club members and local Radio Amateurs are welcome to attend.

Maurice-André, VE3VIG ❖

World Amateur Radio Day is April 18, 2004

The IARU has decided on “Pioneers in Bridging Barriers to World Understanding” for the theme of World Amateur Radio Day 2004 April 18. Something for clubs to think about when planning their upcoming activities. ❖

53rd. Hamvention Dayton Ohio May 14 - 16, 2004

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OVMRC Life Members

Ralph Cameron	VE3BBM
Doug Carswell	VE3ATY
Gerry King	VE3GK
Doreen Morgan	VE3CGO
Ed Morgan	VE3GX
Bill Wilson	VE3NR

Club Website

The OVMRC **Rambler** is available on-line at the club website:

<http://www.ovmrc.on.ca/rambler.htm>

Sponsors

The OVMRC acknowledges the following organizations for their support of our activities by providing them with courtesy copies of the Rambler:

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OVMRC Repeater

147.300 MHz(+)
444.200 MHz(+)
53.030/52.030 MHz



OVMRC web page

<http://www.ovmrc.on.ca>
Webmaster: John Rodger,
VE3JR, jcr@magma.ca



Next Meeting

Apr 15
Rambler Deadline
May 7

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SPECIAL EVENT DAY VE3JW 30TH ANNIVERSARY

Maurice-André
VE3VIG

Celebration balloons were hoisted as OVMRC held a Special Event Day on Friday March 19, 2004 at the Amateur Radio Exhibit Station, celebrating VE3JW's 30th anniversary. Since the station is dedicated to Jim W Cotter, first blind Radio Amateur, the Cotter family was invited to participate. Also invited were all local or visiting Amateurs. The object was to have each participant complete at least one radio contact. Those doing so were awarded a special commemorative certificate showing a colour picture of the VE3JW station, inscribed with their name and call and the contact coordinates.

Shown below are three members of the Jim W Cotter family who visited the VE3JW station during the celebration. Peggy, Jim's daughter, is seen holding her certificate for having completed a radio contact, which was the farthest distant contact of the day. The large screen at the rear shows this contact: T99A, Bosnia. In the middle of the picture is Grandson Clark and Great Grandson Cleary.



Photo by: Larry Wilcox



Photo by: Paul Jefferson

Visitors trickled in all day, which was a good thing, seeing the limited amount of volunteers who came in to help; in the morning, Mike VE3LTN and Patricia VA3PUR and in the afternoon, Larry VE3WEH and Ernie VE3EJJ. They had to take care of visitors at the station and also host at the reception desk. We certainly direct many thanks their way.

We have issued nearly two dozen certificates to confirm the contacts which were done in many modes and bands: Voice, CW, PSK31, EchoLink, IRLP, VHF/UHF FM, all we could use, due to the poor propagation on HF for that day. We even completed a satellite VHF/UHF SSB contact on OSCAR-29.

We have received feedback from the participants and all was very complimentary. We'd like to share some with you. Ed Morgan, VE3GX, and Doreen, VE3CGO, the originators and builders of the first station, honoured us with their visit and Ed completed a 40m CW contact (Morse Code, remember!) while Doreen chatted with California on 20m SSB. Ed wrote:

"Congratulations on a very successful 30th Anniversary of VE3JW operation! Thanks for inviting us! It was fun working that Mobile in Motion on CW who thanked me for "riding along with him!" ... I

do hope that a large number of Radio Amateurs were able to visit the station during this event! You are doing a great job! ... Doreen and Ed VE3CGO/VE3GX"

We were also very pleased and highly honoured to host the Jim Cotter family. Here is what Peggy wrote to us:

"Paul and I enjoyed our time yesterday at the 30th anniversary, thank you. I was pleased that my brother John's son Clark and Clark's son Cleary came along also ... Many thanks to you and all those who take such an interest in VE3JW. My family and I are most grateful. I was really pleased that we were able to speak to the chap in Bosnia. Getting the VE3JW card means a lot to me. My Dad would have been thrilled to know VE3JW is still on the air!!

Best wishes to all at VE3JW station
Peggy Jefferson"

RAC, our National organization, was represented by Ontario North Assistant Director, Hans, VE3REL, who also completed a contact on CW. We welcomed visitors from the many clubs in the area and beyond, an Amateur from Vermont, Bob, NV1X, who insisted on a CW contact as well, and a most notable visit was that of Don, VE3DRO, who came for his certificate on his scooter. We'll let him tell us how many kilometres he had to cover on the Ottawa streets in the last days of Winter in order to make it.

Last, but not the least, representing the blind Amateurs was Graham, VE3GBD, who was also awarded a certificate after completing his contact.

Last, but not the least, representing the blind Amateurs was Graham, VE3GBD, who was also awarded a certificate after completing his contact.

As you can see, it was a very successful and enjoyable day. Thanks for your visit if you did visit us on that day, and if not, come in soon.

Very 73,
Maurice-André, VE3VIG ❖

OVMRC 2m FM Simplex Contest

Date & Time

Saturday 8th May 2004 from 12 noon to 4pm *local time*.

How to participate

Using the 2m simplex frequencies (check the RAC band plan) and avoiding the 2m calling frequency of 146.520, make contact with as many stations as you can. Call "CQ OVMRC contest" or "CQ contest" or work stations making such calls.

Pre-arranging contacts by use of repeaters, telephones or otherwise is not allowed, nor in the spirit of the contest.

Once you have logged a particular station you cannot log it again, **unless** it is a mobile station which has moved to a different city location (see details of what is a 'location' in the next section). Mobile stations calling CQ may want to indicate their current location.

Note, there is a **condition on a repeat logging**. A repeat logging cannot be made if it results in a station being the same consecutively in the log. For example, if contact 6 is with VA3STL you cannot log that station again as contact 7, even if the station is mobile and moved to another location. Work another station first and then it is possible to make a repeat contact but only if the mobile station is in a different location to the earlier logging(s).

If you decide to call CQ, listen first to see if a frequency is in use. Remember, just because you cannot hear anything does not mean that a QSO is not going on, you may not be in range of one of the stations but you could be within the other's range. Follow good operating practice; listen, ask if the frequency is in use and listen again, then repeat the process until satisfied it is not in use.

What to exchange

When a contact is made you need to exchange the following information: callsign, contact number, location (use the city electoral ward or district for this) and whether or not you are a OVMRC club member or if you are operating a club station. Mobile stations give their current location. The location is important for the location multiplier and longest distance QSO award.

Maps of the wards or districts of Ottawa and Gatineau can be found, at the following web locations;

Ottawa

http://atlas.city.ottawa.on.ca/mapping/atlas/maps/wards/Ottawa_Wards_Councilors_Urban_Photos.pdf

Gatineau

http://www.ville.gatineau.qc.ca/gatineau/pdf/districts_nouveauxnoms.pdf

Stations outside Ottawa and Gatineau use the local town, eg. Carleton Place

Do not feel that this is all you should exchange, you are encouraged to talk to the other station if you want - find out how long they have been a member, for example.

Record each contact on a log sheet and number it sequentially.

Example 1

VA3NEK from VA3STL, please copy number 4, Osgoode member.

Example 2

VA3STL from VE3%%%, please copy number 1, Kemptville, non-member.

Example 3

VA3GLT from VE3JW, please copy number 23, Alta-Vista, club station.

Power Limit

For this contest the maximum power you can use is 50W

Scoring

QSO points

<u>Contact type</u>	<u>Points</u>
Non OVMRC member	1
OVMRC member	2
Club station	5

Club stations are VE3JW and VE3RAM. Note VE3RAM will be the emergency trailer and it will likely move its location during the contest.

Multipliers

This comes in two stages

- Total number of locations contacted
- The highest power level you used

<u>Power</u>	<u>Multiplier</u>
10W or less	2
over 10W to 50W	1
over 50W	0

Final calculation

Final score = Total QSO points x Locations x Power

Example calculation

You contacted 8 club members, 6 non club members and the club station VE3JW, who were in 5 different locations (some contacts were in the same location) and you used your handie-talkie at 5W of power.
Total QSO points = $1 \times 6 + 2 \times 8 + 5 \times 1 = 27$
Multiplier for locations = $\times 5$
Multiplier for power = $\times 2$
FINAL SCORE = $27 \times 5 \times 2 = 270$

Continued on page: 5

March 18th, 2004

Our President, Ken VA3NEK, opened the meeting by greeting our guests, Mike, Gerry King VE3GK (Life Member), Marg VE3EQE, Don VE3NJH, and Edgar, VA3EGM. Also present were 2 daughters of Gerry King, by name of Kathy and Mary Ann who were the technical team in charge of the visual presentation for the talk put on by Gerry King.

Doug VE3XK introduced Gerry giving a short biography of our most distinguished speaker, mentioning his birth in Danville, Quebec, his first call sign VE2WK acquired in 1951, and reminded us of Gerry's first call sign in Ontario as being VE3LX. Doug also said that Gerry had taught better than 600 students in the mysteries of our hobby.

Gerry VE3GK, talk was titled "Illegal Antennas" of which there is no such thing. He mentioned that the subject was also covered on his web sit at www.ve3gk.com where charts, schematics and formulas can be found. His talk was very informative and he brought some antennas to show us, one was a low noise, mag loop, 9 to 30 MHz. The others were motorized mobile antennas, 3 to 56 MHz. He mentioned that his interest at the moment was mobile antennas, some of which can be carried in a suitcase.

Announcements: There will be no Flea Market this year; we will aim to have one next year.

Gerry Trottier, VA3GLT, gave an explanation of the Contest form regarding the point multiplier.

Chair Reports. Ken Halcrow, VE3SRS, said that there would be a trailer working group meeting at his home and that he is looking for volunteers to get the trailer ready. There would be a CASARA exercise on the weekend at the Rockcliffe Airbase.

Jake, VE3TQX, nothing to report, and Adam, VA3PIP, also had nothing to report.

Maurice-André, VE3VIG, mentioned the 30th anniversary of VE3JW and extended an open invitation to all to come on March 19, to make a contact and received a souvenir card.

Doug, VE3XK, presented Ian Victor, VA3WVP and Jose Campione, VA3PJC, with corrected certificates.

Gerry King, VE3GK, told us about the Quarter Century Club convention, that information could be found on the QCWA70 web site.

Door Prizes: Barney, VE3BGB won a book, Gerry, VA3GLT won a length of copper wire, Bob, VE3RCS won a Family Museum Pass, as did Russ, VE3LOW, and the 50/50 prize of \$ 38. was won by Bill, VE3NOD. ❖

Continued from page: 4

Disqualification

Disqualification will result if stations break the rules of the contest or the rules under which they are licensed to operate.

Some example situations that would invoke disqualification are

- * Use of a repeater to pre-arrange contacts.
- * Using the 2m calling channel 146.52MHz
- * Not following the band plan - do not forget the simplex frequencies are effectively 'channelized'. **Do check the band plan.**
- * Intentional interference to other users, contesters or not.

Awards

Awards will be given to the highest score in the following categories

- * highest scoring base station,
- * highest scoring mobile station,
- * highest scoring newcomer. (A newcomer is defined here as someone licensed in the last 18 months. This allows graduates from the last two OVMRC classes to aim for this award. Note: this award does not preclude the same station from winning any of the other awards.)

* contact over the longest distance (fill in your furthest QSO on your summary sheet).

Awards will be in the form of a certificate.

All scores will be published in the Rambler.

Not got a 2m FM transceiver?

In the spirit of having fun and meeting club members it is encouraged that club members that would otherwise operate solo (base or mobile) team up with a member who has not got 2m capabilities. A pair operating as a team can submit a single entry form under both names/callsigns. To help with log checking though please use only one callsign for QSOs.

A list will be kept of club members willing to share their station with another member, or members looking for a station to operate with. These lists will only contain club members.

Finally...

Have fun and if you are a mobile unit be safe on the road.

For further information or questions see

Alan Steele VA3STL (va3stl@rac.ca) or Gerry Trottier VA3GLT (va3glt@rac.ca)

A logsheet and an entry sheet is printed in this Rambler. Additional logsheets may be photocopied or printed by going to the on-line version of the March Rambler at the OVMRC Website:

[:http://www.ovmrc.on.ca/rambler.htm](http://www.ovmrc.on.ca/rambler.htm)

and printing the logsheet page . . ❖

High Frontier

This month's column looks at the higher frequency bands, beyond 70cm in the area where few of us have ventured, but what is an area of experimentation and development.

Unfortunately, due to work commitments I have not been able to have time to devote to this column, so it will be a little shorter than normal.

In Canada we can operate at frequencies beyond the 70cm band at 900MHz, 1200MHz 2300MHz and microwave frequencies. The band plans are located, respectively, at:

<http://www.rac.ca/opsinfo/900plan.htm>

<http://www.rac.ca/opsinfo/1200plan.htm>

<http://www.rac.ca/opsinfo/2300plan.htm>

<http://www.rac.ca/opsinfo/micropla.htm>

In all cases amateur operation is secondary. Note that the last two bands have changes proposed and see the links on the respective pages.

There is perhaps only a small population of amateurs that operate in the microwave region. One amateur is WA1MBA, Tom Williams, who has a web site at

<http://www.walmba.org>

On his site you will find information about microwave operation as well as other information like the Worked All Bands award. This is an award for operators who have had successfully had a confirmed contact on all the bands they can operate on, in their country of licensing. Obviously the challenge here is the microwave bands. Details can be found at

<http://www.walmba.org/wab.htm>

If anyone has or qualifies for this award, let me know. I am sure others would like to know about the challenges and successes involved.

If you want to know more about microwave work, check Tom's introduction to the topic at

<http://www.walmba.org/micros.htm>

If you want more technical information you can find it at this web page, and its links, on the Kitchener and Waterloo Amateur Radio Club site.

<http://www.kwarc.org/10ghz/index.html>

Here, VE3SMA, Steve Kavanagh (son of Bob Kavanagh, if I am not mistaken) has written an excellent introduction to operating in the microwave region. If you want to get into this area of operating

then a great starting point for information is Steve's excellent article at

<http://www.kwarc.org/10ghz/10GHZ-4.htm>

For the 24GHz band see

<http://www.kwarc.org/10ghz/24g.html>

These last few pages detail how to get and make equipment to work in these bands. One company that does make and sell equipment is Down East Microwave Inc (DEMI).

<http://downeastmicrowave.com>

They have plenty of transverter kits, as can be seen in their on-line catalogue.

<http://downeastmicrowave.com/cat-frame.htm>

Having looked at some of their descriptions of their transverters I note that they do clearly say that they are for experimenters.

So if you want to try the new frontiers in amateur experimentation then check out the above links. If you find any other useful websites then let me know.

That is it for this short Web Resources.

Finally and as usual let me remind you to not forget to exercise sensible caution when using the web for information, services or software. Till next time. ❖

André's Question

Here is the weird problem where two capacitors C1 and C2 are the same value and C1 is charged up, then connected in parallel to C2. The charge Q will equalize between them and half the original energy will mysteriously disappear. Here we go..

V=voltage across capacitor

C=capacitor value

Q=electron charge in capacitor

E=electrical energy in capacitor

Where... $C=4$ and $Q=8$ and $V=Q/C$ and $E=.5xCx(VxV)$

Before connecting C1 to C2, the Energy in C1 = $V=8/4 =2$ and $E=16/2 =8$

If C1 is connected to C2, then the original charge Q is charged evenly between both capacitors. If the energy per Capacitor is now computed, it turns out to be $V=4/4 =1$ and $E = .5x4x(1x1) = 2$, and the sum total of both C's is 4 or half of 8

Good luck on this one hihhi

Andre..VE3CLW ❖