



Ottawa Amateur Radio Club

Groundwave

P.O. Box 8873, Ottawa, Ontario, Canada, K1G 3J2

CLUB EXECUTIVE

President

Diane Bruce VA3DB
(H) 225-9920
va3db@rac.ca

A/Past President

George Roach VE3BNO
(H) 234-0885
ve3bno@rac.ca

Vice-President

Dave Green VE3TLY
(H) 728-8606
ve3tly@rac.ca

Secretary

Ian Jeffrey VE3IGJ
(H) 837-7393
ve3igi@rac.ca

Treasurer

Janice Neelands VA3PAX
(H) 236-9291
va3pax@rac.ca

Director

Bryan Campbell VE3ZRK
(H) 737-3933
ve3zrk@rogers.com

Director Membership

Ernie Brown VA3OEB
(613) 225-7798
va3oeb@rac.ca

Director

Wayne Getchell VE3CZO
(H) 225-7989
getch@gamma.ca

Director

Cary Honeywell VE3EV
(H) 590-9873
ve3ev@rac.ca

Director Technical

Harrie Jones, VE3HYS
(H) 739-9365
hjones@chumottawa.com

Check out our Web Page: www.oarc.net

Feb 2005

Probably for the first time in history the hard copy version of the Groundwave delivered by Canada Post arrived at members' homes before the emailed pdf version. This was not due to a propagation anomaly or Internet virus but because, in my haste to leave for Christmas holidays, I posted the Groundwave but forgot to email it.

Don't forget the upcoming Canada Ski Marathon on February 12-13. See the notice inside. There is also an EMRG meeting on January 22.

We are still looking for club members to contribute articles for the Groundwave. Letter to the editor are also eligible. See the minimal requirements on page 2.



**FEBRUARY MEETING 7:30, Feb. 9th in the Honeywell Room
at Ottawa City Hall**

In This Issue....

Club Information	2	Mike's Words	5
January Meeting Minutes	3		
Dates to Remember	3		
Canadian Ski Marathon	4		
RAC Winter Contest Results	4		
RAC Bulletins	4		

Membership Chair
Ernie Brown VA3OEB
(H) 225-7798
va3oeb@rac.ca

Groundwave Editor
Ian Jeffrey VE3IGJ
(H) 837-7393
ve3igi@rac.ca

Accredited Examiner
Mike Kelly VE3FFK
ve3ffk@rac.ca

Coffee Guy
Bryan Campbell VE3ZRK
(H) 737-3933
ve3zrk@rogers.com

Historical
George Roach VE3BNO
(H) 234-0885
(Fax) 567-2372
ve3bno@rac.ca

Webmaster
Diane Bruce VA3DB
(H) 225-9920
va3db@rac.ca

IRLP Manager
Cary Honeywell, VE3EV
(H) 590-9873
ve3ev@rac.ca

Website
www.oarc.net



Ottawa Amateur Radio Club

Groundwave

Feb 2005

Articles may be submitted for use in this publication provided that they portray events or activities that promote Amateur Radio. Letters and comments are also welcome. Submissions may be made by mail addressed to the Editor care of the OARC, or by e-mail to "ve3igi@rac.ca". Deadline for submissions occurs three days after the regular monthly meeting of the OARC.

Please support your local radio organisations. They support you!

The CAPITAL CITY FM Net meets every Monday at 20:00 hours on the club repeater **VE2CRA** to pass traffic and to make announcements of interest to Amateurs in the National Capital Region.

The SWAP Net is a service provided and conducted by Ed Seib, VA3ES. This feature appears on the Capital City FM Net. To list items and make inquiries, call Ed at 613 738 8924 or e-mail him at va3es@rac.ca. Also available on the web: <http://www.igs.net/~swap>

The POT-HOLE Net is a SSB/HF net sponsored by the Ottawa Valley Mobile Radio Club and is conducted every Sunday at 10:00 hours on **3.760 MHz**. All amateurs are welcome to check in.

The POT-LID CW Net is an informal slow-speed CW net sponsored and conducted by Ed Morgan, VE3GX, and meets every Sunday, except during July and August, at 11:00 hours on **3.620 MHz**, to promote interest in CW and CW procedures.

The QCWA CHAPTER 70 Net meets every Thursday evening at 20:00 hours on repeater VE3TEL, **147.03** You do not have to be a QCWA member to participate.

The Ottawa Valley VHF/UHF SSB Net is sponsored by the West Carleton ARC. Look for it every Tuesday night (except the first Tuesday of the month) around 21:00 on **144.250**, (roll calls after net on 50.150, 432.150, 222.150, and 1296.100). Horizontal polarization is preferred.

The Ottawa Amateur Radio Club bulletin "Groundwave" is published and distributed to club members by email and mail. Publication dates may vary but it is hoped that the bulletin arrives at its destination before the events listed in it have expired. The bulletin is not published in July and August. Every effort is made to provide accurate information in the bulletin, however we are all human and mistakes can be made. The OARC accepts no responsibility for any damages that may result from this. The opinions expressed in this bulletin are only those of the author.

Voice (VHF) 146.94/146.34 100Hz output tone
(UHF) 443.300/448.300

VE3ATV Amateur Fast Scan Television Repeater
Video/audio beacon & input 439.25 MHz (audio sub. 443.75)
Video/Audio output 914 MHz (FM)

IRLP Node 2040 146.94/146.34 (VE2CRA/VE3RC)
(Code 411 for info) (Code 204 for activity)
(Code 88 for time)

For further information please contact the Repeater Chair.

Note: The IRLP link not connected to ECHOLINK. Please do not try to connect using the alpha keys on your keypad. It just confuses the operator.

Note: The IRLP link is disabled during the Capital City Net each Monday. It is disabled from 2000 to 2145 Mondays except for May to August when the link is disabled from 2000 to 2020.

VE3TEN

Tuning in the beacon so that it makes sense requires you tune to **28.175** on cw and read the tone that is there. The spaces between the elements are the higher tone. If that doesn't work, tune to **28.17528** on lower sideband for better results.



Dates to Remember

Minutes of the January Meeting

January 12, 2005 19:30

The meeting was called to order by the president, Diane Bruce (VA3DB). There were 29 members present including 0 guests.

It was moved by Mike Kelly (VE3FFK) and seconded by Ernie Brown (VA3OEB) that the minutes of the December general meeting be approved. The motion was carried.

The evening's speaker was Wayne Getchell (VE3CZO). Wayne gave an excellent presentation on the principles and uses of time domain reflectometry (TDR). His talk included examples of different type of measured cable faults and how they are predicted by TDR theory. Most of his work was done with a Tektronix 1502 instrument but he also mentioned a simple device (further described on the club web page) for working with an oscilloscope to measure cable reflections.

Richard Hagemeyer made a request for radio communication volunteers for the Canadian Ski Marathon, February 12 and 13. For all the details see the web site <http://radio.admin2.ca>. To volunteer, contact Richard at ve3unw@rac.ca.

Harold Hamilton announced the next EMRG meeting will be held January 22 at the fire hall on Industrial Avenue from 09:00 to 12:00. The group will be conducting a "table top" exercise.

George Roach reported on the results of the club's RAC Winter Contest entry. Apparently, the new Canaday software outputs in Cabrillo format.

The selection committee (Clare Fowler, Fred Green, and Keith Bedal) has awarded the 2004 Joe Norton award to David Green, VE3TLY. Dave who was licensed in 2002, has since become vice president of the OARC and has been active in many aspects of the club's activities. The president congratulated Dave and presented him with the \$500 prize. As a result of his late entry into amateur radio, Dave announced his intention to donate \$100 of the prize to RAC for the

2005

- Feb. 12,13 Canadian Ski Marathon
- Apr. 13 Homebrew Night
- Jun. 8 OARC Annual General Meeting & Elections
- Jun. 25,26 Field Day
- Jul. 1 RAC Canada Day Contest
- Sept. 3 OARC Hamfest
- Sept. 30 Membership Renewal Deadline
- Nov. 9 Joe Norton Award Submission Deadline
- Dec. 17 RAC Winter Contest

Youth Education Program in order to help youngsters get acquainted with amateur radio at an earlier age.

The 50-50 draw of \$21.50 was won by Dave Parks (VE3AV). Al Oldfield (VE3ANO) won a labelling software package.

The membership chair reported that to date, there were 73 paid up members.

It was moved by Greg Danylchenko (VE3Y TZ), seconded by Croft Taylor (VE3CT), and approved that the meeting be adjourned at 21:05.

The next general meeting will be held on February 9. The scheduled speaker will be Martin Potter (VE3OAT) who will speak on IARU intrusion monitoring.



RAC Bulletins

Canadian Ski Marathon

The OARC's primary community service event is providing radio communications for the Canadian Ski Marathon. This year the marathon takes place on the weekend of February 12-13.

Richard Hagemeyer organizes the radio communications for the marathon. Richard is looking for operators and equipment. Radio communication operator duties include manning checkpoints, net control, mobile operations, and backup. Here is also looking for suitable equipment (50-watt 2-m transceivers and hi-gain antennas) to provide backup.

For more details on the organization of the communications see the excellent CSM 2005 web site at <http://radio.admin2.ca>. To volunteer, contact Richard Hagemeyer via email at ve3unw@rac.ca or work phone at 613-727-4723 [5974] and leave a message.

Remember community service is one of amateur radio's claim to the frequencies, so here is your chance to contribute.

RAC Winter Contest Results

Here are the unofficial results for the OARC entry in the RAC Winter Contest using RAC VA3RAC call sign.

Canada QSO'S (except RAC).....	512 x 10=	5120
RAC Station QSO's.....	24 x 20=	480
DX Station QSO's.....	338 x 02=	676
Duplicates.....	21	
Incomplete Exchanges.....	09	
QSO Points.....	(874 QSOs)	6276
Multipliers.....		65
Claimed Score.....		407,940

Operators: VE3BNO, VE3CDG, VE3EV, VE3XK, VE3Y TZ, VE3FFK, VE3HVA, VE3IGJ, VA3PAX, VA3TLY, VE3WTJ, VA3ELB.

Thanks to all the operators who participated and to George Roach for compiling the results.

In the wake of the Tsunami/Earthquake Disaster, in response to questions from Canadian radio amateurs, Industry Canada has advised RAC as follows:

Canada has no objections to its licensed radio amateurs passing international communications on behalf of third parties in support of an emergency or disaster relief in the countries affected by the recent tsunami and earthquake, provided that the affected country allows its radio amateurs to carry on such a communication.



This is in keeping with the recent "FINAL ACTS WRC-03 WORLD RADIOCOMMUNICATION CONFERENCE (GENEVA, 2003)" where paragraph 25.3 (2) states that "Amateur stations may be used for transmitting international communications on behalf of third parties only in case of emergencies or disaster relief. An administration may determine the applicability of this provision to amateur stations under its jurisdiction."

Under normal circumstances, Canadian radio amateurs must respect the third-party agreements and arrangements noted in Industry Canada's Radiocommunication Information Circular RIC-3 - Issue 2, dated April 2002. Canada has concluded agreements or arrangements with the following countries to permit the transmission and reception of international communications by Canadian amateurs on behalf of third parties: Antigua and Barbuda, Australia, Bolivia, Chile, Colombia, Costa Rica, Dominica, Dominican Republic, El Salvador, Grenada, Guatemala, Guyana, Haiti, Honduras, Israel, Jamaica, Mexico, Nicaragua, Paraguay, Peru, Saint Vincent and the Grenadines, Trinidad and Tobago, United States of America, Uruguay, and Venezuela. Under normal circumstances radio amateurs in Canada are obliged to respect these agreements.



Mike's Words

Thanks to IGJ for the reminder that the column is due again. I'm still having trouble with deadlines.

The first run through of the "repeaters and nets" mini course has been done. Results were better than I expected. The work involved in putting it together and polishing it has been more than I expected too. It seemed simple enough at the start when Richard, UNW asked me to put something together on how repeaters work, and how nets work. He was looking for some background to give to the newly licensed members of the CSM safety team.

Somehow the project grew wings, and became "The Ins and Outs of Repeater Nets for Amateurs", and "Net Control, Centre of the Universe". Those led to a mini course on "Mis-communication (It's no Beauty Contest)", and that is suggesting to me that there should be another one on "Organizing Radio for Thing-a-Thons". It seems there is a lot more to learn (or teach) beyond the usual Basic and Advanced ticket.

The work took a different twist when, as I was working on the Net Control section, I got a call on 2m to report an erratic driver on the highway. More polishing to add something about keeping the emergency phone list handy. The effort paid off, but the course polishing will continue. You may get to see part of these courses at a club meeting some time. With any luck, you will hear the results during this year's version of the Canadian Ski Marathon. It's a good thing that I don't have to go to work every day. That would really cut just too much into my ham radio time.

In other news, I just got a new (to me) dual band rig, a Yaesu FT 5200. It was time to get a radio that would let me store different CTCSS tones without opening the radio and flipping dip switches. Of course, upgrading the back-up radio for my task at the Ski Marathon crossed my mind too. It's working well so far, but the heat sink looks like it belongs on a ten watt radio, not something that pumps out fifty. Time will tell. No shortage of things to modify around this rig.

Now is as good a time as any to report on my activities as accredited examiner, since I told the president I would do that sometime. In 2004, I conducted 14 exams for six candidates. These comprised six Basic, five Advanced and three Morse exams. All the Basic and Morse candidates were successful, and only one of the Advanced exam candidates failed. That candidate hadn't planned on writing the exam in the first place, so the result wasn't a big surprise. For a club that doesn't (currently) run a course, this wasn't a bad year. I also renewed my accreditation as an examiner for the restricted aeronautical exams, although I have let my accreditation for the restricted marine certificate examination lapse. With CASARA recruiting more members from among the amateur ranks, I have a hunch that the ROC AERO will become a popular ticket soon.

While on the topic of year end reports, I find that my log book fell short of my 2004 New Year's resolution. I was going to try to average at least one "ordinary" (non-contest, non-net) QSO per week. I did manage to get over one per month in there. How is it that there is never time for the part of amateur radio I like the best? I have given up entirely on my 2003 resolution to clean up the shack to the point where I could fit in another operator. Maybe it's time I left this resolution stuff to the digital camera world.

I got a new (to me) pair of skates at the Sally Anne last month. Maybe you'll hear me blade mobile on the canal before too long.

73, Stay Cozy -mk VE3FFK



This spot was reserved for
your article!

KENWOOD

TS-480HX/TS-480SAT

HF/50MHz All-Mode Transceiver

KENWOOD
NETWORK COMMAND SYSTEM
with Voice over Internet Protocol capability

TS-480SAT \$1,999.00 + tax.

TS-480HX \$2,199.00 + tax.



Bytown Marine Limited
5 Corvus Court
Ottawa, K2E 7Z4

Tel: (613) 723-8424
Fax: (613) 723-0212
gwalker@bml.ca