



Ottawa Amateur Radio Club

Groundwave

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From the Editor:

October 2011

Memberships for the 2011-2012 year are now due. Bring along your membership form and cash or cheque to the October meeting or mail them in.

The October meeting's speaker will be our own Dave Conn, VE3KL, whose presentation is entitled "Small Vertical Antennas for 500 KHz". Given the wavelength is 600 m, I wonder what he means by "small".

Page 7 has a collage of 30 different amateur radio national society logos. Notice that most of the logos are based on the schematic symbols of antenna, ground, inductor, and capacitor enclosed in a diamond. I will give honourable mention and a free Starbucks coffee to whoever comes up with the most correct country identifications (over 15). By the next Groundwave.

Also, see the Joe Norton Trust Award announcement on page 9.

Ian Jeffrey, VE3IGJ, Editor

Check out our Web Page: www.oarc.net



**Next Meeting 7:30 pm, Wednesday, October 12th
in the Colonel By Room at Ottawa City Hall**

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October 2011

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 "ve3igj@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!

Club Information

The Ottawa Amateur Radio Club Inc. is an association of Radio Amateurs devoted to the promotion of interest in Amateur Radio communications in the National Capital Area and to the advancement and achievement of club members.

Regular Meetings of the OARC Inc. are held on the second Wednesday of each month (except July and August) in the Honeywell Room which is on the second floor of Ottawa City Hall, formerly Regional Municipality of Ottawa Carleton Headquarters, on Lisgar Street. Meetings commence at approximately 19:30 hours. Further details about each meeting is elsewhere in this publication.

Executive Meetings of the OARC Inc. are normally held on the first Wednesday of each month at 19:30 hours. Contact the President to confirm the date, time and place of the next meeting.

The CAPITAL CITY FM Net meets every Monday (except some holidays) at 20:00 hours on the club repeater **VE2CRA 146.940(-)** 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, got to <http://www.ncswapnet.ca>. You may reach Ed at 613-738 8924 or e-mail him at va3es@rac.ca.

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 Monday evening at 19:30 hours on repeater **VE3MPC 147.150(+)**. 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. 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 for July and August when meetings do not occur. 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 those of the author.

Voice (VHF) 146.94/146.34 100Hz CTCSS required
(UHF) 443.300/448.300

VE3TVA Amateur Fast Scan Television Repeater
Currently off the air and looking for a new home.

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 is 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 **28.175.28** on lower sideband for better results.



Dates to Remember

September Minutes

Visitors:

- Amenta Bulo - no call - student from Ethiopia
- Allan Bauld, VE3CBR, recently moved to Stittsville from Burlington and looking for a new club.
- Ben Watts, McMaster PhD student, currently working at NRC. No call.
- Steve McFarlane, VE3TBD.

Review of just past events:

Field Day 2011 (June 25-26) (Harold)

- played the CBC announcement by Bob McKenzie VA3RKM
- 616 CW contacts, 363 phone contacts

Hamfest

- good turnout, good deals.
- report next month

Groundwave Work

- VE3FFK has scanned in the last 50 years.
- VE3CZO will OCR them.. VE3BIT is going to index them

Joe Norton Award

- rules and regulations have added detail, and some guidelines for submissions. clarified rules
- closing date is Nov 1st. amount is \$500

Portable Demo

- this upcoming Saturday morning
- at Britainia Park, the gazebo area.
- setup at 9am. operate at 10am.
- Bob McKenzie and the QRP group will be there
- 6 people demoing
- Kristy's at 8am

Review of upcoming events:

Club Project

- ideas from the crowd:
 - Big Wheel Antenna
 - Battery Keeper
 - Magnetic Loop antenna

2011

- Sep. 10 Hamfest
- Sep. 30 Membership Renewal Deadline
- Nov. 4 Joe Norton Award Subm. Due
- Dec. 17 RAC Winter Contest

2012

- Feb. 11, 12 Canada Ski Marathon
- Apr. 11 Homebrew Night
- Jun. 13 OARC AGM and Elections
- Jun. 23, 24 Field Day
- Jul. 1 RAC Canada Day Contest

- Digital VFO from QEX (through hole, have kits. \$80 US)

Field Trip

- ideas from the crowd:
 - (silence)

10GHz Contest coming up

- this weekend Saturday morning
- need some help to carry batteries and hike for 20 minutes

Arrangement with Diefenbunker

- finalized and signed in June
- we'll help them setup and maintain stations
- no activity over the summer

Haves and Wants:

- none

Interesting Contacts:

- JX5O new country for VE3KL
- Dave Scobie - 2800ft Aboe SL. magnus from Sweden. Fellow from Hawiai 20m
- Dave. Newfoundland. eastern most point in Canada. 20m mobile. worked a station in Ireland
- VE3IQ. John on Goth Island.
- upcoming: Rotuma 3D2R DX group
- VE3IQ 20m at ~11pm.. 50w reached a fellow in Namibia

(Continued on page 4)



mk's Words

Well, it's that time of year again. Back to school/ holidays over/ start to look for the winter boots. Still it was a good run. Field Day, Canada Day, Holi days, all good fun, good weather and good times. I even got my QSL from VE8RAC, which is something I have been wanting for a while. Then with September came the Hamfest. Well done Ed. Once again I didn't see much of it since I was conducting exams most of the time. There were ten candidates. Most of them just wanted to try it, to see what an exam would be like. Most of them now know that they will need to study. As I told one of them, "It's still not a gimmie". The candidates still have to study, even if they have some background. There were three who were serious about getting either Basic or Advanced, and did well. Better than well, one of them snagged a 100% mark.

Just a week after the Hamfest came the second OARC in the park operating event, put together by Greg, VE3Ytz. Another great event, well attended with both good weather and good band conditions. It was interesting to see the variety of antennas, from simple to complex, that people chose. At one point, just for fun VE3KL and I worked each other on our dummy loads. 599+ both ways. Just a guess, but since VA3DB was around I expect there are lots of pictures on the web site.

Over the summer I have been playing around with a compact loop for 160. It is still a work in progress, but I expect to have something to show for next homebrew night. Stay tuned.

I expect the new Joe Norton info is also on the web site by now. It is a bit different, and a bit more clear than it was. If you know of anyone who got their ticket in the last two years or so, get them to take a look. \$500 is up for grabs and there are some years when no one applies. Don't let this be one of those years.

It looks like the city is taking another look at its antenna bylaw. Although I hope it is their plan to relax the restrictions they put in place last time, I'm not holding my breath. I expect that the same group that came together in 2006 to present the amateur radio case will re-form for this round. As before, lets keep cool. The last thing the city needs to see is a bunch of excitable "ham chewer radio operators" yelling at them in public meetings.

On that happy note, 73
mk VE3FFK

(Continued from page 3)

- Doug VE3XK worked Thailand. 5-9.

Show and Tell:

- none

General Meeting

- thanks to Bob for getting the CBC announcement

- Greg introduces.

- Bob McKenzie VA3RKM

- Ying VA3YH

- Michael Babineau

50/50 Draw:

- Peter VE3LBW \$28.50 x 2 = \$57
donated back to club

Jean Richard, Secretary

Amateur Radio History

Radio Communications and the Danish Resistance Movement in World War II

During a recent trip to the Baltic, I visited the Danish Resistance Museum in Copenhagen. It soon became clear that radio communications played an important role in what was arguably one of the most effective resistance movements in Europe. Most of the actions conducted by the Danish resistance were railway sabotage to hinder German troop and material movements from and to Norway. However there were also examples of sabotage on a much larger scale. The Danish resistance also assisted the British Special Operations Executive (SOE) in its activities in neutral Sweden. In all over 1,000 operations were conducted in Denmark from 1942 and onwards.

The most famous operation occurred in October 1943, when the Danish resistance saved nearly

all of the Danish Jews from certain death in German concentration camps. This was a massive overnight operation that sent them by boat to neutral Sweden, accomplished with the help of ordinary citizens, and is to this day recognised among Jews as one of the most significant displays of public defiance against the Germans.

One of the reasons for the success of the Danish resistance was their ability to pioneer several secure communications methods, including a burst transmitter/receiver which transcribed Morse code onto a paper tape faster than a human operator could handle. Equally important was "Radio Betty", a small handy wireless that could fit in a suitcase. Invented in 1943 by Danish engineer Lorens Duus Hansen, it replaced the bulky and heavy "B2" which required alternating current, the standard model produced and distributed by the SOE to all resistance movements until then.

Ian Jeffrey, VE3IGJ

The SOE "B2"



The "Radio Betty"



Silent Key

RAC Insurance Coverage

RAC Bulletin 2011-031E - RAC Insurance Program for 2012

The Radio Amateurs of Canada is pleased to announce that the highly popular RAC Insurance Program will be available again in 2012, and with increased coverage at no increase in rates. The Program provides several types of coverage including liability insurance for Club activities and its members, equipment loss/damage coverage for Affiliated Clubs and their RAC members, and new this year will be the availability of additional insurance coverage for a RAC member's house, car and travel health insurance, which will be of particular interest to Snowbirds. All of these coverage's are the best available in Canada and are offered at an extremely competitive rates. The RAC Insurance Program is provided as a benefit of membership for RAC Affiliated Clubs and their RAC members.

See the RAC website at <http://www.rac.ca/>

Paul Andre Duguay, VE3NPD

1924—2011

Peacefully on July 6, in Guelph, Ontario, after a lengthy stay at St. Vincent's Hospital in Ottawa, Paul was an RCAF aircraft mechanic stationed in Belleville at the time of the Avro Arrow trials. After his discharge from the military he was employed by the RCMP until a tragic accident led to his confinement to a wheelchair. His hobby became ham radio and he faithfully did routine operating duty at VE3JW, the radio station of the National Museum of Science and Technology, where he received a long time achievement award. Paul will be remembered for his generosity, humility, quiet demeanour, and concern for the welfare of physically challenged colleagues. He was buried with full military honours at the National Military Cemetery on July 15.

Submitted by Peter, VE3LEW



Amateur Radio Logos





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RAC Bulletins

Special Event Station VA3IF - November 5-11, 2011

The Guelph Amateur Radio Club is once again setting up a special event station at the birthplace of Lieutenant Colonel John McCrae House in Guelph Ontario. John McCrae was the author of the poem "In Flanders Fields". The special event station, in honour of peace and remembrance, will operate from the McCrae House Museum from November 5 to November 11. We will be operating with the call sign VA3IF on 10m, 15m, 20m, 40m and 80 m, as well as IRLP, node 2260.



Terry Maurice
VE3XTM

Simulated Emergency Test - SET - October 15, 2011

The simulated emergency test is a North America-wide exercise in emergency communications, administered by the ARRL and the RAC Emergency Coordinators and Net Managers. Both the Amateur Radio Emergency Service (ARES) and the National Traffic System (NTS) are involved. The SET weekend gives communicators the opportunity to focus on the emergency communications capability within your community, while interacting with NTS nets. The deadline for receipt of reports at RAC HQ is January 31, 2012.

As you prepared for SET:

Sign up all available radio amateurs in your area. It's a great recruiting tool.

Call a meeting of all ARES members and prospective members to outline the plan.

Contact served agencies and explain the intent and

overall purpose of the SET.

Arrange publicity in local papers and radio and TV stations.

Set up liaison with one or more NTS local/section nets.

Formulate your plan around a simulated disaster.

One of the first steps to a successful SET is to get as many involved as possible, especially new Hams. They might like it so much that they stick around. Please visit the RAC website for all of the rules and guidelines and enjoy!

73

Doug Mercer VO1DM CEC
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New Office Administrator 2011-10-02

I am pleased to announce that the Radio Amateurs of Canada has recently recruited Frank Greene as Office Administrator. Frank's appointment comes after an extensive search for just the right person to manage our head office. Frank comes to RAC with an extensive management and business background. He has worked in sales and marketing, accounting and administration, human resources, staff coordination, facilities management, and project management, and has participated in several consulting assignments from capacity planning to disaster contingency planning.

His mission is to provide exemplary service to our members. Don't hesitate to contact Frank when an issue arises. On behalf of the RAC Board and Executive I want to welcome Frank to the Radio Amateurs of Canada.

Geoff Bawden, VE4BAW
President and Chair Radio Amateurs of Canada



North East Ontario Regional Director's Report October, 2011

The monthly meeting of the Regional Directors was held on September 29, 2011. Several items were discussed that may be of interest to you.

The Board of Directors has been considering the transformation of TCA into an electronic format for several months now. I think it is a good idea for many reasons. Firstly it would allow the use of hotlinks to be embedded in the articles, as I have done in this report. If you are looking for more information on a subject a quick click will let you obtain it. It would also allow full colour and there would be no limit on the size of the magazine, subject to bandwidth issues. It would also allow us to get it to you faster as compared to snail mail. And it will be lot cheaper to get it to you as we would not have printing and mail costs. There was some concern about some Amateurs not being able to receive it electronically but I think all Amateurs are pretty tech savvy and will enjoy this new format. Let me know what you think.

Thanks to the efforts of former Honorary Legal Counsel, Steve Pengelly, VE3STV; Steve, Southern Ontario Director Jeff Stewart, VA3WXM and myself have a meeting with the Ministry of Transport Assistant Deputy Minister and his Director of Safety regarding the Distracted Driving Legislation in Ontario. We will present our case why not allowing Ontario Amateurs to use their mobiles is not good legislation. I want to thank all of you who have sent me letters from 3rd parties offering support to Amateurs in Ontario. If you want to send in a letter it is still not too late. As soon as I have any further information I will let you know.

It will come as no surprise that it takes money to keep RAC afloat. And where we get most of our revenues is from members. I would encourage you to talk to your fellow Amateurs in your club to consider joining RAC. So no one thinks we are living well on your memberships, my trip to Toronto later this month is sponsored by the Bank of Bill.

RAC is considering some new insurance options, so

stay tuned for that as well.

There is a lot of special callsigns operating this month, for a complete listing goto:

<http://www.rac.ca/en/amateur-radio/regulatory/callsigns/special-event.php>

Finally and possibly most importantly remember that October 15 is the Simulated Emergency Test. It is our chance to see how we would do if the "ship hits the sand". I hope you would consider volunteering some of your time for this worthwhile endeavour. For more info goto: <http://www.rac.ca/en/rac/public-service/ares/simulated-emergency-test/>

If you have any questions or concerns please email me at ve3xt@rac.ca.

73

Bill VE3XT

North East Ontario Regional Director

Joe Norton Trust Award

The **OTTAWA AMATEUR RADIO CLUB INC.** annually awards the Joe Norton Trust Award for the advancement of amateur radio. The amount of this award is \$500 and a wall plaque. To be eligible, a candidate must:

1. Be a resident of the National Capital Region as defined by the official federal government map.
2. Send a written submission of no less than 600 words and no more than 900 words to the executive of the **Ottawa Amateur Radio Club Inc.**, setting out his or her interests, achievements and plans to contribute to the advancement of amateur radio.
3. Present him/herself for an interview if so requested by the judges.

See the full details at <http://www.oarc.net/norton/>

2011-2012 Membership Application/Renewal

Ottawa Amateur Radio Club Inc., Box 8873, Ottawa, Ontario K1G 3J2

- Single \$25 (\$20 after Feb 1, 2012)
- Family \$30
- Junior \$15 (under 18 years of age)
- New Ham - Free (if licensed in current Membership year)
- Emailed *Groundwave* Mailed *Groundwave* (add \$10.00)

Please Note: Membership year is September 1, 2011 to August 31, 2012.

Family Name: _____ First Name/Initials: _____

Address: _____

City: _____ Prov: _____ Post Code: _____

Home Phone: _____ Work Phone: _____

E-mail address: _____ (For *Groundwave* mailing)

Callsign(s): _____

Qualifications: Basic Advanced Morse Code
Year Licensed: _____ RAC Member? Yes

Other Family Members

Name: _____ Callsign(s): _____

Qualifications: Basic Advanced Morse Code
Year Licensed: _____ RAC Member? Yes

Interests: _____

Comments/Suggestions: _____

All members who are in good standing on or before the December General Meeting will be eligible for a free one-time name badge. Members who wish a second or replacement badge may purchase one at the Club Price (approx \$7.50 plus tax). Ordered badges will be available in January.

Do you want an **OARC NAME TAG**? Yes Second or Replacement Yes

ORDER DETAILS - As to appear on badge:

First Name _____ Call Sign _____