



Ottawa Amateur Radio Club

Groundwave

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Check out our Web Page: www.oarc.net

May 2004

May is a funny month. Not funny, ha-ha-ha, but funny peculiar. Clubs around the country are searching for new blood to fill vacancies in their executive. Field Day conveners are looking for operators, support and locations for their contest setup. Hams are opening up their gardens, cottages, motor homes or whatever in anticipation of the coming summer season. Nobody wants to be inside on a sunny day unless you are sensitive to sunlight. Other than that, not much is happening. The weather is unpredictable but is more often calling for wet days than dry days. The wind picks up making any repairs to antenna structures a bit more hazardous than usual. (By the way, Ken Willing, VE3CV, may still be trying to give away a skyneedle type of telescoping tower).

Real downer was the announcement that my friend Gerry King, VE3GK, had passed away. Gerry was a Ham's Ham. I regret that I couldn't stay for his presentation to the club in March. He looked the picture of health at that time and no one could have guessed that he would become the ultimate DX within a few short months. We probably all have our Gerry stories. Especially those who attended Gerry's Amateur Radio courses in the 70's and 80's. Some of his students were called "Gerry's Clones". I thought about that and at first decided that it was a term of derision. Then on second thought decided that being one of his clones was more of a compliment to him than perhaps he even imagined. The quality of his successes in this area speaks volumes.

As a presenter or raconteur, Gerry was at his best. He always managed to convey enthusiasm tempered with genuine knowledge of his topics. His two loves here were talks on his linear amplifiers, which were legend, and his monstrous antenna structures which were a known landmark for commercial jets on final for runway 14 at Ottawa's international airport.

He will be missed.

VE3EV



MAY MEETING 7:30, May 12th in the Honeywell room at Ottawa City Hall

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May 2004

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 "ve3ev@rac.ca". Deadline for submissions occurs on the last Monday of the month preceding any regular 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 Richmond Room (2nd floor of the Old Teacher's College) 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 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 Dan Reardon, VE3GUU. This feature appears on the Capital City FM Net. To list items and make inquiries, call Dan Reardon at 721-3339 or e-mail him at ve3guu@igs.net. 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**, (listening on 50.150, 432.150, 222.150 and 1296.100 as well.) Horizontal polarization is encouraged although vertical will work

The Ottawa Amateur Radio Club bulletin "Groundwave" is published and distributed to club members by 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 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 only those of the author.

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.

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.



Minutes of the April Meeting of the OARC

April 14, 2004

The meeting was called to order at 7:34 by President Ben Price (VE3CDA). There were two guests, Mike McDermott (VE3HLB) and John Orritt (G7TQU). Mike is re-joining the club after a few years away, and John has just moved here from the UK. He was licensed there in 1995. Ben heartily welcomed the guests and reminded them of their free coffee privileges.

Rick Furniss (VE3IHI) moved that the minutes of the March 10 general meeting be adopted and Diane Bruce (VA3DB) seconded the motion.

Ben announced that we have solved our ATV repeater problem, and met all our goals in the process. CJOH and the OARC have signed a contract of sale stipulating that CJOH will take ownership of the repeater for \$1. They plan to keep it active and operational, which was good news for amateurs who use it. The OARC can now reduce its insurance premium. George Roach (VE3BNO), Ben and Wayne Getchell (VE3CZO) signed the contract on behalf of the OARC. Thanks from the OARC go to Wayne Getchell for negotiating this agreement.

As happens every year, the club will elect a new slate of executives at the general meeting in June. Clare Fowler (VE3NPC) will serve as elections chairperson. In other words he will seek out names of members who will stand for office and present them at the June meeting. Members are encouraged over the next couple of months to accept Clare's phone calls and answer yes to his questions. Of the existing executive, the following officers will not seek re-election: President Ben Price, Groundwave Editor Cary Honeywell (VE3EV) although he will not abandon the post until a suitable replacement is found, and Director Russ Lowe (VE3LOW).

Quite a number of members reported on interesting contacts they had had in the previous month. Diane Bruce (VA3DB) reached Connecticut on 5 watts CW using a homebrew qrp rig. Clare Fowler had his first 160m contact with a person in Chicago. He had a report of 4-4. Doug Leach (VE3XK) said that during the VHF/UHF 222 sprint contest (a 4-hour contest) he made a CW contact with VE3AX in Cayuga, and he reached him outside of FN25. Greg Danylchenko (VE3YTZ) reported that during the recent WPX contest a few weekends ago he reached a ham from Mongolia (JT1CO) according to whom Greg was his 40th contact of the contest. They found each other on 20 metres, 14.145 khz. Greg said he later looked up his contact on the qrz.com website and saw a picture of him in his shack. Paul Coverdale (VE3ICV) said that he was in Geneva during the same WPX contest and watched the ICU shack being manned (4U1IT). Kris Konstable (VE3URL) recently reached France from the southeast corner of Florida at 10 pm EST with crystal-clear reception. He was using a mobile HF rig, 100 watts and a 7-ft hamstick.

George Roach said he's impressed with an AD antenna that facilitates getting on 160M, especially from downtown Ottawa locations.

Kris Konstable asked for volunteers for Tour Nortel, May 2 at the Carling and Moodie campus of Nortel Networks. Nortel staff will be walking, skating and biking to raise money for charity. Amateur radio operators are needed for emergency traffic. You will be bike mobile or walking mobile, and will be given free lunch and a free t-shirt. The OARC public relations booth will also be set up at the event to take advantage of the traffic.

Harold Hamilton (VA3UNK) announced that Field Day would be held June 26-27 at the same location as last year, which is the field behind the buildings at 175 Main Street. He is currently taking names of people who wish to participate and/or volunteer time and equipment. If you're interested, contact Harold by email at or you may approach him at the next two general meetings.

Greg Danylchenko, our Hamfest manager, reminded members that the Hamfest will be held on September 4 this year. As has become customary, there will be an afternoon session with expert speakers organized by Doug Leach. Greg will solicit volunteers during the general meetings in May and June. The next regional Hamfest will be held Saturday, May 8 in Smiths Falls.

George Roach announced that the Quarter Century Wireless Association (9,000 members worldwide) would be having its international convention in Ottawa this year from October 15-17. The convention is open to local amateurs but you need to register before coming. There will be two days of forums as well as touring and social programs. George was selling pins for \$5 to raise money for the event.

Diane Bruce announced that the sub-committee consisting of herself, Clare Fowler, George Roach and Harold Hamilton had decided on a recipient for the Joe Norton Award. This year, there were three very good candidates. She presented the award of \$500 to Janice Neelands (VA3PAX). Janice thanked the club members and said she was very honoured to receive the award.

Ken Willing (VE3CV) announced that he has a 60-foot sky needle tower for sale. It is just like the one Gerry King (VE3GK) spoke about at the March general meeting.

It was announced with regret that Paul Cooper (VE3JLP) is a silent key. Paul had written a column for The TCA on DX for many years. Paul's friend, Mike McDermott, said that the Cooper family would like to solicit the help and advice of the OARC with respect to Paul's ham equipment.

After coffee, Ernie Brown (VA3OEB) won both an ARRL handbook AND the 50/50 draw of \$20. We then proceeded to hold a favourite club competition, Home Brew Night. Five members presented amateur radio equipment they had created or invented, they sometimes from common household or hamshack scrap.

Barry Young (VE3CDJ) presented a bare-bones wooden circuit-board holder. Mike Kelly (VE3FFK) demonstrated his clever discone antenna made of steel tape measures bought at the dollar store. Wayne Getchell (VE3CZO) showed off test equipment he built consisting of an audio amplifier, an isolation transformer and a reference generator. Diane Bruce (VA3DB) showed us her home-made power supply, a signal generator she made, and a home-brew QRP rig she used for Connecticut. Clare Fowler spoke about and showed a PowerPoint sketch of his 160m antenna, which is a 1/4 wave, sloping L. It is strung from his rooftop, down across the lane to the fence, where it turns 90 degrees and then runs along the fence.

Clare judged the competition and found Diane Bruce to be the winner, with Mike Kelly a close second. Diane will be presented with the Home Brew plaque at the next general meeting. Congratulations to Diane and to all the participants for their clever, well-crafted work.

The next meeting will be held May 12 at 7:30 in the Honeywell Room of City Hall.

Janice Neelands, VA3PAX



President's Podium

Mk's Words

If April showers bring May flowers, what do May showers bring?

The Larsen 5/8 wave antenna I mentioned last month turned out not to be what I thought it was. To make a long story short, the lump at the base turns out to be just a very well protected coil, not the L-C matching network I expected. Anyway, since it worked no matter what they called it, I ordered and received a replacement coil. It turns out that after a few decades of ski marathons the whip had finally been hit enough times to break the solder joint between the retaining collar and the coil. This all has me thinking "Why didn't they build a real 5/8 wave antenna, and can I make one for myself, for mobile use?" Find out next April...

In other antenna news, the J-pole and discone you saw at homebrew night are both in good enough shape to go to an antenna party. This happens May 13 and 16. Talk to Peter, VE3BQP, or see EMRG.CA for details.

I'm still recharging batteries after the Tour Nortel. Since the cell phones and fancy commercial handhelds didn't work for the north half of the course, it was handy to have "those ham guys" there. It was especially nice to hear some new callsigns at the event. There were only a few of the snags one expects in a "first time" event. Given the rain and wind, special mention should go to Al, VE3ANO, who operated bike mobile for a good part of the time. Kris, VE3URL, who organized the radio end of things wanted me in a vehicle with the admin types, so I couldn't go play in the rain. No tears shed over missing that opportunity to go bike mobile. Since I wasn't at start/finish, I don't know how well the OARC public awareness booth was received, but it was a good place to test the idea of combining public service with public awareness. The repeater we used (146.880-, VA3EMV) is located at the fire department dispatch centre where, coincidentally the chief keeps a scanner. I hear he liked what he heard, but it serves as a reminder that what you say on the air is not just heard by other hams. Keep it in mind before you unload on someone. Congratulations to Kris on spearheading his first event. It is always a bit intimidating to tell some group "Yes, I will round up some volunteers to do radio for your event", and then stare at an empty sign up sheet. If you've ever been there, you would be doing more public service hamming, and having fun doing it too. Give it some thought next time somebody asks for help with a thing-a-thon.

I've already been asked by Harold, VA3UNK, about a generator for Field Day. When he gets around to asking you for some help, please say "YES!". Ditto for Greg, VE3Ytz and the Hamfest.

I'm off to the tire store for one of those bike flags. I've decided to lighten the bike mobile J-Pole. With any luck, we (my bike and I) will be back on 2m before you read this.

It isn't one of URL's URLs yet, but the Canadian Police College ARC has a pretty good website for local radio related happenings at <http://www.ve3cpc.org/announcements.htm>

73, see you on the air (or on the road)

mk VE3FFK

Dayton, here we come!...

The OARC general meeting is on May 12th, and the very next morning, I'm heading off to Dayton. (www.hamvention.org) Just imagine all the fun to be had at the largest flea market in the world! Think of all the free stuff there is to pick up, literature, catalogues, sample radios, calendars, etc. What are the chances that I could come home with the super door prize? (I hope it's one of the new \$13,466.65 ICOM IC-7800 radios (<http://www.universal-radio.com/catalog/hamhf/0041.html>). Time to stock up on Tim Horton's, and get the oil changed in the car. Then, I'm all set to go.

Parting thoughts...

With summer approaching, lots of people will be involved with other activities like going to the cottage. These activities will take away time from hamming, at least until the fall when the OARC fleamarket (<http://www.oarc.net/fleamarket/index.html>) gives us the opportunity to kick back into high gear. Yep, lots of down time during the summer. If I have some extra time, I'll be up on my new tower fiddling with the antennas and checking connections and tightening bolts. When Karen and I do get to the cottage, I'll be able to fire up the 'cottage radio' and make a few contacts. As well, I can check in to the rubber-boot net on my way to work each day, and the Capital City net on Monday evenings. Then there are a few radio projects that I would like to get done while the weather is good. Hey! Wait a minute! Looks like I won't have a lot of free time this summer. Oh well, maybe next summer.

Just make sure you enjoy life. It's a gift.

VE3CDA

Field Day 2004

Date: June 26, 27 2004

**Location: 175 Main Street
Behind Residence
Just North of St. Paul's University and South of Lees Avenue**

**When: Setup - after 9 am Saturday
Operating - 2 pm Saturday to 2pm Sunday**

We intend to run as 2A - One CW and one phone station. We may also run a VHF/UHF station for 6 and 2 metre.

Your participation will make it a success.

Bring your own chairs.

Contact Harold

va3unk@rac.ca

613-722-9180



Developments in Ultra Wide band devices. Canadian Amateur Radio Bulletin (Week of Apr.11 2004)

While most amateurs are focusing on the BPL threat to our HF bands, another possible threat is on the horizon at the upper UHF and microwave bands.

Ultra Wide Band (UWB) devices transmit over bandwidths as wide as 500 MHz, and occupy the same spectrum as existing licensed services in some of the microwave bands. They can be used for short range communications at very high data rates, or for short range radar. Another possible application is for RFID's or Radio Frequency Identification tags, which could, for example, be attached to products in a supermarket, and interrogated at the cash register.

In general UWB devices are very low power, and their appeal is that they can be made with few components at potentially very low costs. In many ways they are similar to the spark gap transmitters used by radio amateurs nearly 100 years ago. Most will operate as licence exempt emitters. Many may be built into the electrical consumer products we all use.

Of course, existing spectrum users (particularly mobile cell phone providers) are concerned about the possibility of interference generated by UWB devices, and so the ITU is studying compatibility problems. Dr Salim Hanna of Industry Canada is chairing an ITU International Task Group on UWB compatibility. Salim recently re-reported

RAC FORUM 2004

Immediately following the OARC fleamarket will be the RAC Forum and Technology Update moderated by RAC Ontario North Director, Doug Leach (VE3XK). Topics of interest to the amateur radio community are planned and admission is free.

The proposed agenda is:

- Amateur Radio Around the World - Threats and Opportunities
 - Ken Pulfer, VE3PU - International Amateur Radio Union
- Care and Feeding of Rechargeable Batteries
 - Dick Bonnycastle, VE3FUA
- The Propagation Tools, Where to Find Them and How to Apply Them
 - Bert Barry - VE3QAA

RAC Bulletin 04-08E

RAC Board of Directors has approved a new director for the Atlantic Region



The RAC Board of Directors has approved Dave Goodwin, VO1AU, as the Director for Atlantic Region to finish the term of David Nimmo, VE1NN, who resigned in early March. Dave was first licensed in 1975 at the age of 15. He has been continuously active ever since, primarily in HF Contests and DXing, but also in VHF, UHF and microwave weak-signal contests and DXing. He has also taken part in numerous public-service activities. He has resided in and operated from five provinces in his Amateur career: New Brunswick, Quebec, Ontario, Alberta and Newfoundland and Labrador. He currently holds three call signs: VO1AU, VE9CB and VO2AAA and he has previously held VE2ZP and VE6TG, among others

RAC Bulletin 04-E

New Manitoba Section Manager for RAC



Robert Boux, VE4RRB, of Winnipeg, is the new Manitoba Section Manager for RAC. Boux replaces Manitoba SM Derek Hay, VE4HAY. Robert was the only nominee in the last election cycle and was declared elected. His term will begin July 1, 2004.

Joe Craig, VO1NA was recently re-elected Section Manager in Newfoundland/Labrador for a two-year term that will begin on July 1, 2004. Joe ran unopposed eliminating the need for a balloted election

RAC Bulletin 04-10E

New Treasurer for RAC



The RAC Board of Directors has approved Eric Ferguson, VE3CR, as Treasurer for the term ending Dec 31st, 2005. Eric comes to us with an extensive banking experience at the Executive level of a Canadian major Bank.

VE3GK Silent Key

Attached notice from Ottawa Citizen

Death Notices (05/09/04)

KING, Gerald VE3GK Peacefully at his residence Friday, May 7, 2004. Gerald William King, age 73. Son of the late Beatrice Caunter and Alfred King. Beloved husband of the late Patricia Anne Kealey. Cherished father of Kathy (Jim McSheffrey) of London, Caroline (Bill Casey) of Corner Brook, Nfld, Roberta (Greg Yeldon) of Hudson, Quebec, Geraldine (Phillip Low) of Carleton Place, David (Heather Riopelle), Michael (Paula) and Maryanne King (Paul Conlin) of Ottawa. Loving grandfather of Shannon, Ryan, Patrick, Matthew, Allison, Christopher, Sean, Erin, Kelsey, Liam, Marcus, Geoffrey, Sydney, Michael, Grace and Benjamin. Dear brother of Douglas King (Sandra). Friends may pay respects at the Kelly Funeral Home, 2313 Carling Ave. (west of Carlingwood) Monday from 2 to 5 and 7 to 9 p. m. Funeral Tuesday to St. Basil's Church for Mass of Christian Funeral at 10 a.m. In Memoriam donations to the Heart and Stroke Foundation or the Canadian Cancer Society appreciated.

The Ottawa Amateur Radio Club

is pleased to announce its 8th Annual



Hamfest

Saturday, September 4, 2004 (Labour Day weekend)

gaters Open and Building Vendor setup: 9 am
10 am until 1 pm

Forum and Technology Update: 1 pm - 4 pm (approx)

Tail-
Building Opens:
Radio Amateurs of Canada

**Carp Agricultural Fairgrounds
Carp Rd (at Falldown Lane)**

tawa (Carp), Ontario

**3970
Ot-**

Highway 417 west to Carp Road exit, north to the fairgrounds
the Arena, so follow the signs on the site
\$10/table (plus admission)

(plus admission)

We are in
\$5 general admission
\$5/tailgate

This year=s door prize is very generously donated by:



Bytown Marine Limited
5 Corvus Court
Nepean, Ontario,
K2E 7Z4

The OARC is proud to sponsor the RAC Forum and Technology Update. This highly informative event follows immediately after the close of the Hamfest at 1 pm. We are very fortunate to have Doug Leach (VE3XK), RAC's Ontario North Director, as Moderator

For further information or reservations contact:

Greg Danylchenko (VE3Y TZ)
236-9291(H)
<http://oarc.net/fleamarket>

E-mail: fleamarket@oarc.net
Talk-in on VE2CRA, 146.94 -

Tel: (613)
Web address:

MEMBERSHIP APPLICATION / RENEWAL

Ottawa Amateur Radio Club, Inc.

Box 8873 Ottawa, Ontario K1G 3J2

Renewal New New Ham (FREE if licensed in current membership year)

Single (\$25 (\$20 after 1 Feb) Family (\$30) Junior (\$15)

Add \$5.00 if you wish to have your Groundwave mailed to you.

(Please note: membership year is 1 September to 31 August)

Family Name: _____ First Name/Initials: _____

Address: _____

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Home Phone: _____ Work Phone: _____ ext _____

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

Callsign(s): | _____ | | _____ | | _____ | Fax: _____

Qualifications: Basic Advanced Grandfathered
 5 wpm 12 wpm Year Licenced: _____

Other Family Members

Name: _____ Callsign(s): | _____ | | _____ | | _____ |

Qualifications: Basic Advanced Grandfathered
 5 wpm 12 wpm Year Licenced: _____

Name: _____ Callsign(s): | _____ | | _____ | | _____ |

Qualifications: Basic Advanced Grandfathered
 5 wpm 12 wpm Year Licenced: _____

Name: _____ Callsign(s): | _____ | | _____ | | _____ |

Qualifications: Basic Advanced Grandfathered
 5 wpm 12 wpm Year Licenced: _____

Interests: _____

Comments/Suggestions: _____

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