

Ottawa Amateur Radio Club

Groundwave

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Check out our Web Page: www.oarc.net

June 2004

Ok. This is it. The last issue of the Groundwave I am going to write. At least for June 2004! Looks like I will also be doing the September issue. October may be a problem and there will likely be no way I will have the time to devote to it in November and so on. Now is the time for someone to take over the editor's job. I will be able to help and assist the new editor get over the first few publication deadlines and provide material as often as I can but there is only so much I will be able to do.

Give it some thought.

June is election and Field Day month. Time to look at serving the club as a member of the executive, or chairing a committee or at least participating in an activity. Get onboard with Harold, VA3UNK for the weekend of June 26/27. I know you will enjoy the experience.

We bid goodbye to President Ben Price this month, and also Director Russ Lowe and our membership chair Tom Johnson. All three deserve a vote of thanks for the club for the many hours of work they have put into the club.

Congratulations to Janice Neelands, VA3PAX, out 2003/2004 Joe Norton Award winner.

Remember the OARC Hamfest on Labour Day weekend and the QCWA convention in October. Pull out pages 6 and 7 of this issue and post them on your fridge.

Have a nice summer. **VE3EV**



JUNE MEETING 7:30, JUNE 9th in the Honeywell room at Ottawa City Hall

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Ottawa Amateur Radio Club

Groundwave

June 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.

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



Minutes of the May 2004 Meeting of the Ottawa Amateur Radio Club May 12th, 2004

The meeting was called to order at 7:30 by President Ben Price (VE3CDA). There was one guest, Ian Victor (VE3WVP). Ben welcomed Ian to the meeting and told him of his free coffee privileges.

There were 2 amendments to the April minutes. The first was a call that read 4U1IT and should have read 4U1ITU. The second was the name of an antenna that read AD and should have read Alpha Delta. Dave Parks (VE3AV) moved that the minutes of the April general meeting be adopted and Mike Kelly (VE3FFK) seconded the motion, which passed.

A remembrance of Gerry King (VE3GK), a recent silent key, was given by a number of OARC members. Cary Honeywell (VE3EV) spoke of Gerry having trained approximately 600 hams in the Ottawa area. Fred Green (VE3IO) spoke of his memory of Gerry. Doug Leach (VE3XK) summarized a thought that a lot of Ottawa amateurs have, namely that Gerry will never be replaced.

Ben talked about the upcoming OARC elections in June, and invited everyone to speak with Clare Fowler (VE3NPC) if they would like to stand for any of the available positions. Also, a provisional budget will be presented at the June meeting by our treasurer, Janice Neelands (VA3PAX).

Greg Danylchenko (VE3Y TZ) presented a short update on the OARC fleamarket, coming on Labour Day, September 4th. The door prize, graciously donated by Kenwood and Bytown Amateur Marine, will be a Kenwood dual band mobile, the TM7VA, valued at \$650. Special thanks go to Graham Walker of Bytown for his ongoing support of our fleamarket. Doug Leach reported that the RAC forum, which will be held in the afternoon, has a great lineup of speakers: Ken Pulfer (VE3PU) will be speaking on BPL, there are also presentations on the care and feeding of rechargeable batteries, as well as HF propagation with a focus on available tools, and David Conn (VE3KL) will do a family tree of antennas.

Harold Hamilton (VA3UNK) gave us an update on the OARC Field Day, which will be held at the same location as last year, namely 175 Main Street on June 26-27. Everyone is welcome and operators should contact Harold to get the best spots. If you have equipment to lend for the field day, please contact Harold at VA3UNK@RAC.CA.

Steve Reagan is looking for volunteers for the Quest for Cure Adventure Race. The dates are June 18-20 and he would like 25 volunteers for checkpoint assignments to operate on 2 metres from Mont Ste. Marie. For more info, contact Steve at REGANST@RAC.CA or phone him at 825-9512.

Cary Honeywell told us the IRLP is presently off the air.

The most interesting contact went to Doug Leach for his contact with W7GJ. This was a sporadic E contact and the QSL was passed around for everyone to enjoy. Other interesting contacts were brought forward by Mike Kelly (VE3FFK) for an eyeball contact with VL1AU. Ernie Brown had a 40 metre contact with Wolf Island. Somebody _____ had a contact with SV2ASP, who is listed in the QRZ callbook as the Monk named Apollo, QTH in Greece.

This month's speaker was Clare Fowler, who demonstrated a simple way to create computerized schematics using the Microsoft Paint program.

The winner of the 50/50 was Barry Young (VE3CDJ) who walked away with \$20.50.

The next meeting will be held on June 9th at 7:30 in the Honeywell Room of City Hall.

Ben Price (VE3CDA)

Mk's Words

If this seems a bit scattered don't worry, it's just that I'm typing it in one go.

May has come and gone, and the bugs aren't out yet (at least around here). I just hope they aren't all waiting for field day.

Yesterday we finished the antenna building "party" that we started in the middle of May. It seems that if you tell someone they have 8 hours to do something they will take 12, but if you tell them they have 12, they will take 16. We all had fun and even got some antennas built, so I'm guessing this won't be the last build session this summer. If you missed it, keep an eye on the emrg.ca website. I'm still thinking of those wood boom yagis that '3DB pointed me to. Between build sessions, helping other folks with their antenna farming, and a trip to Collegeville (the federal emergency preparedness college) there hasn't been as much time in the good weather for my own hamming. With all that out of the way, maybe I will be able to get a little more radio done. I'm putting up an antenna for 40m NVIS in the back yard (once I clear out some of the brush from the yard, so I can get into it). I have already pulled 3 new runs of coax and a ground wire into the kitchen station. Once all that stuff is done, it will be time to go and play radio outside. At least things will be ready to go in the fall.

Meanwhile field day is fast approaching, and I still don't know where I will be operating. The OARC site gets my generator in any case, but whether I go with it or not depends on other peoples' travel plans. Either as VE3RC or as VE3ZY, I expect to be raising the ionosphere just a bit on that weekend. Hope to hear you, or work you then.

73.. mk VE3FFK

RAC Bulletin 04-12E - New Interim Director for the Pacific Region



The RAC Board of Directors has approved Ed Fraser, VE7EF, as the Director for the Pacific region until the results of an upcoming election in the next few weeks. Ed is a long time Amateur in the Vancouver area and is very active at the club level as well as in the repeater system and the emergency communications organization. He replaces Dennis Livesey, VE7DK who recently resigned his position.



Satellite Operation (Not Rocket Science)

Amateur radio operators seem to have the idea that working the ham radio sats is incredibly hard and expensive, not to mention needing a lot of power.

It is true that one can have a tower, the az/el rotor, an amazingly complex multi-mode vhf/uhf radio, but it is also true that most people could work the FM birds with nothing more than their handheld radio and a small beam. You can likely get started on the amateur satellites with the station you already have.

Your antenna is an important link in any satellite operator's setup whether you are just beginning or have been on the satellites for awhile.

The classic commercial beam for this is the 146/437-10W made by Arrow antenna (<http://www.arrowantennas.com>) This beam combines 3 elements on 2m with 7 elements on 436mhz. This beam is used by many amateurs to work the FM birds AO-27 and SO-50.

If you are on a budget, you can combine designs by Kent Britain, WA5VJB, and Howard Long, G6LVB. Kent's antenna designs can be seen on-line at: (<http://www.clarc.org/Articles/uhf.htm>)

Howard's Home Brew Arrow antenna design is on-line at (<http://www.g6lvb.com/HomebrewArrow.htm>).

Because the FM birds are in low earth orbit, you can even work them with your current V/UHF mobile radio and a 1/4 wave whip on the car's roof. You want signals to radiate straight up, which a 1/4 wave will do. The 5/8 wave antenna concentrates its pattern on the horizon, making it less desirable for mobile satellite operations.

Multi-mode HF combined with uhf/vhf radios are now very popular as well. It does not take much extra work at all to get on some of the low earth orbit (LEO) "linear mode" birds such as FO-29. A simple "clarc" combination beam mounted on a camera tripod combined with a multi-mode radio is all that is necessary. Jerry, K5OE/VK8OE has a great article showing how to convert a pair of Cushcraft beams into a simple but effective tripod beam that can get you on the LEO linear birds. See:<http://members.aol.com/k5oe>

It is helpful to know when to listen and where to point your antenna skyward. There are several tracking programs for your PC or Mac. Some are free and others cost \$50-\$75. A free satellite tracking program, SatScape, for the PC can be downloaded from: <http://www.satscape.co.uk/>

Even easier, you can get short term amateur radio satellite predictions from the web. Check out: <http://www.heavens-above.com> Hint: Enter your QTH info first, registration is not necessary, then bookmark the final page. Every time you select heavens-above from your bookmarks your custom page for your QTH comes up! Once you're in, select the "radio amateur satellites" link for a table that shows when all "hear-able" satellites will be within range of your QTH. It even tells you which frequency to listen on.

The Radio Amateur Satellite Corporation, or AMSAT, provides lots of resources on their web pages. See: <http://www.amsat.org>. The latest amateur satellite status, including frequencies, is available at: <http://www.amsat.org/amsat/news/wsr.html>. While you are surfing around at AMSAT, check out: http://www.amsat.org/amsat/features/echo_dayton04/index.html Echo will be launched soon and will be easily heard on your handheld radio.

It's not rocket science, it's just radio. And it's a lot of fun. Come on up and join us.

Diane Bruce VA3DB (amsat area coordinator)
(Clare Fowler VE3NPC is the other amsat area coordinator)
(Thanks to Joanne Maenpaa, WB9JEJ ex amsat journal editor)

President's Podium

Dayton, part deux...

My lovely wife and I, and Dave Parks VE3AV, recently returned from Dayton, where we attended the 2004 edition of the HamVention. (To look at some pictures, try this site: <http://www.qsl.net/wd5bjq/hamvent04.htm>) Dave has agreed to give us his impressions of the event at the next general meeting. For me, it was my second Dayton experience and I can say that it was just as much fun as the first trip. Lots, and lots, and lots of amateur radio stuff everywhere. The outside flea markets are huge, the indoor vendors are many and their wares diverse. I ended up purchasing a autotuner for my Yaesu FT-817 and it works great. The big news is that my wife Karen won an ICOM IC-208H on Sunday during the draw. I'm certainly a lucky man. I hope that each of you has the opportunity to visit Dayton for the HamVention sometime in the near future.

Changing of the guard...

This June will be my last meeting as President of the OARC, as I am stepping down to spend more time with my family, other interests, as well as simply more time on the radio. It's been a rewarding 2 years, and I want to take a moment to acknowledge the experience of working with the OARC executive, as well as the general membership. I will continue to act as the Public Awareness Chairperson, so I will be asking for volunteers to work shopping centers, etc. probably starting in the fall. Thanks to all of you and I look forward to seeing you in the fall. Have a safe and happy summer.

Parting thoughts...

We have been running the Public Awareness displays at local shopping centers for the last few months. There, we have a chance to talk to people who have little or no knowledge of amateur radio, but are interested enough to stop by and ask questions. In answering their questions it has made me think about what attracted me to amateur radio 20 years ago, and what keeps my interest today. There is certainly no doubt that the technology has evolved tremendously providing more modes and options; land use issues are more complicated; licensing requirements streamlined, and everyone's time has become a precious commodity. With all that said, however, there is just nothing like firing up the radio, looking for an open spot, calling CQ, and talking to a new friend. It's always a new experience.

Just make sure you enjoy life. It's a gift. VE3CDA



RAC Bulletin 04-14E - Notice to Accredited Examiners



Some time ago, Industry Canada updated the amateur certification question banks, and introduced new examinations based on the revised question banks. During a transition period, accredited examiners were permitted to use the older versions of exams but that transition period has since expired.

RAC has been notified by Industry Canada that all accredited examiners **MUST** now use the most recent versions of examinations when examining candidates for the Basic and Advanced certificates.

Instructions for accredited examiners can be found in Radio Information Circular RIC-1 on the IC web site, and a copy of the current examination generator software can be downloaded from:
http://strategis.ic.gc.ca/epic/internet/insmt-gst.nsf/en/h_sf05378e.html

For further information, examiners can contact the

Industry Canada Amateur Radio Service Centre
P.O. Box 9654
Postal Station "T"
Ottawa, ON
K1G 6K9

Important info for RAC E-Mail Forwarding Service users (callsign@rac.ca) 2004-05-19



Since RAC started offering this service several years ago no attempt has been made to try to determine if any piece of forwarded e-mail was spam. We felt that spam filtering should be a personal choice and under your own control – either in your own machine, or at your Internet Service Provider, where you could choose the keywords or blocked sources.

Recently the RAC server has been blacklisted by some ISPs for relaying spam. To prevent ongoing occurrences we regretfully have no choice but to install a spam filter on all e-mail passing through the RAC server. This is the type of filtering used for some time now by Internet Service Providers for filtering all e-mail passing through their servers. What we plan to install does not provide for personal selection of keywords, or the blocking of specific senders. To give you some notice of this, we plan to make the change on **June 15, 2004**. It is unlikely, but possible, that a desired piece of e-mail may be blocked by the filter and would not be forwarded to your real e-mail address. If you do not want to face even that remote possibility, you may wish to discontinue use of the RAC e-mail forwarding service. Just send an email to rachq@rac.ca giving the callsign you want removed and the email address it is connected to. For example, if your callsign is VY7AAA and the alias (vy7aaa@rac.ca) is redirected to joe.cool@cool.com, we need to know both pieces of information. If you're a RAC member, please supply your membership number from the label of your latest copy of The Canadian Amateur magazine.

(Thanks to Doug VE3XK, and Ken VE3PU)

RAC Bulletin 04-13E - Friendship Games in Russia and ARDF in China



As a promotion of cultural exchange, Victoria's sister cities Khabarovsk and Suzhou have separately extended an invitation to Victoria hams (or any Canadian ham) to attend events this coming summer/fall.

Khabarovsk, in the Russian Far East, will host the 8th Friendship radio games August 14 to 18. These games include a HF operating contest, Morse sending and receiving, and a 2m direction finding contest. There will be time to tour sites in Khabarovsk and visit with host amateur stations.

Suzhou, about an hour by train inland from Shanghai in eastern China, will host a Chinese national Amateur Radio Direction Finding (ARDF) contest in October 2004--exact date is not yet firm. There will be an 80meter and 2metre hunt on separate days. Non-Chinese nationals are also invited, and the Suzhou Radio Sports Association have extended a specific invitation to their sister city Victoria hams.

Participants would be responsible for their own travel arrangements, possibly a participation fee of about \$150, and incidental purchases, but accommodation, local transportation to events and food would be provided. As organizing these events with international participation takes quite a bit of time, the respective organizing committees in Khabarovsk and Suzhou need advance notice of possible attendance as soon as possible. A firm commitment would be needed by about June.

The Friendship Amateur Radio Society Canada in Victoria has been the point of contact for these overtures. If anyone is interested in either of these events, please contact VE7BFBK@rac.ca ASAP.

Joe, VE7BFBK, RAC ARDF Coordinator

RAC Bulletin 04-11E - New Director for the Quebec Region



On Wednesday, May 5, 2004, the Committee of Tellers met at RAC Headquarters to review the nominations received for the position of Director in the Quebec Region.

The following was the finding of the committee:

Quebec Region: A nomination was received for Mr. Murray Epstein VE2AUU. The documentation was found to be in order. As there were no additional nominations, Mr. Epstein was elected by acclamation to the position of Director, Quebec Region, for the balance of the term 2004-2005.

The Committee of Tellers was:
William Rothwell, VE3FGW
George Roach, VE3BNO
Gary Hyatt, VE3MJT
Deborah Norman, VA3RGM (for the Secretary).



Ottawa Amateur Radio Club

Groundwave

June 2004

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

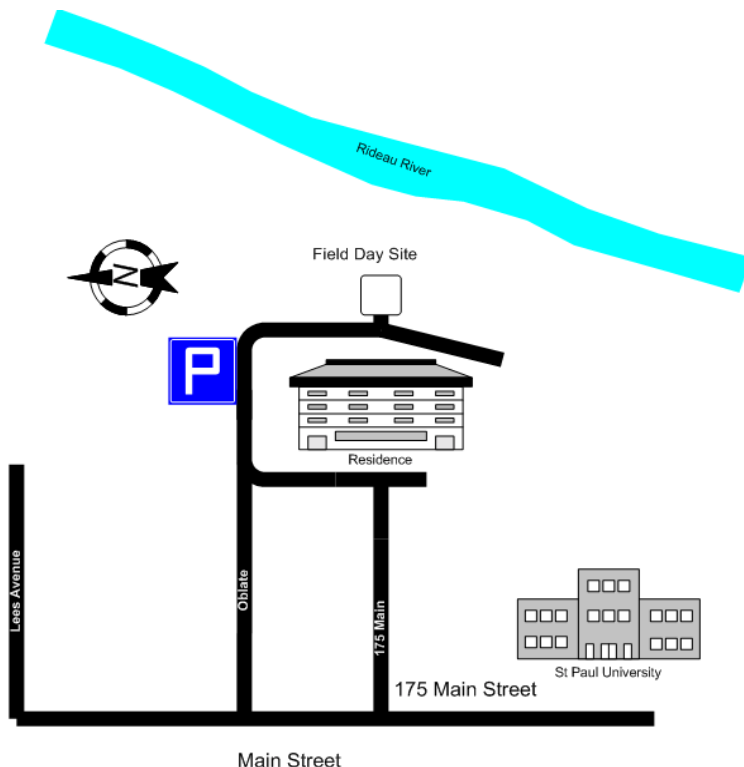
When: Setup - after 9 am Saturday
Operating - 2 pm Saturday to 2pm Sunday

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



Not Drawn to Scale

Editorial

As our present president often says "Life is a gift". Until you have had a near death experience, seen your friends or family die off before you or have serious health problems you can not entirely grasp the meaning of those words. That is not to say that I fall into the category of having experienced any of the above, even though I have, but no truer words have ever been written in the Groundwave. A great many of the Amateurs I have known over the years are no longer with us. Some are advancing in age and may be just a memory in a few short years. Some may have to be beaten out with a stick just to give them some rest from volunteering their every waking moment to activities that they have enjoyed for many years. Some of my closest friends in Amateur radio, and in my personal life, have shown great resilience in the face of terrible odds against life and good health. Still they have battled back and from that I take solace in the knowledge that no matter what happens, you are in control of how you live your life and how you approach life's challenges. You may not win every war but each battle can be a victory. If you live life like you will never grow old, then you may only grow older but not be old. It is a state of mind I guess.

I am, by no means, an old person. I do things that used to be frowned upon if you were over 50. Or 40 for that matter. My friends all seem to have the same philosophy. Do what you want or need to do. Not what others expect you to do. You are living your own life. Not someone else's. Mind you there are caveats. Don't bungee jump if you have spinal problems is one that comes to mind. Personally, I don't juggle chain saws.

When you volunteer to do something then do it as long as you are enjoying it. Once it becomes work then it is time to quit. If nobody fills the void you leave, don't sweat it. Eventually someone will. The system of life is built that way. Not based on the feeling of guilt that comes with having to abandon something only because nobody else is willing to do it. After all, life is a gift which you only get once, and you aren't going to get out of it alive anyway.

Cary VE3EV

IRLP News

Well, I guess things just keep chugging away as they should. A decrease in usage is about the only thing that stands out but, as with any technology, there is always a period of time when the shine wears off the plating and something new must be added. Once we get the UHF link activated then the operation of the node will be much smoother and less prone to desensitizing as it is now.

Just before the last OARC meeting the node was down. What had happened was that there was a power failure at the uplink location and once the power was restored, the computer bombed out. We normally don't have a keyboard connected to the computer when it is in operation in case someone with sticky fingers starts poking around and so when the system booted up it gave a keyboard error and failed. Hitting F1 to continue only works when someone is right there and there is a keyboard connected. In short order, Harrie, VE3HYS, was alerted and power was restored using an uninterruptible power source. Of course he had to find a keyboard once the same problem as before appeared but then.....

There is talk of establishing an Echolink node on VE2CRA along with the IRLP. There will probably be lots of discussion about it in the days to come. One thought is to put it on the UHF repeater alone. Pause for thought.

Progress is often a difficult road, but sometimes you need to take a chance and dash ahead. Lets see where this one goes.

VE3EV

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

Tail-
Building Opens:

Radio Amateurs of Canada

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

Carp Agricultural Fairgrounds
Carp Rd (at Falldown Lane)

3970
Ottawa

(Carp), Ontario

From Ottawa take Highway 417 west to Carp Road exit, north to the fairgrounds
are in the Arena, so follow the signs on the site
mission
sion)

We
\$5 general ad-
\$10/table (plus admis-
\$5/tailgate (plus admission)

**This year's door prize, a Kenwood TM-V7A
VHF/UHF Dual Band Transceiver, is very generously donated by:**



Bytown Marine Limited
Corvus Court
Ontario, K2E 7Z4
723-8424

5
Nepean,
Phone: (613)

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)
(613) 236-9291(H)
dress: <http://oarc.net/fleamarket>

Tel: E-mail: fleamarket@oarc.net
Web ad- on VE2CRA, 146.94 -

Talk-in

QCWA International Convention 2004

The Quarter Century Wireless Association's International Convention takes place in Ottawa on October 15-16-17. **All Radio Amateurs** and friends are invited to attend. QCWA is an international association composed of a membership of Radio Amateurs who have held their license for a minimum of 25 years

Sessions

Software Defined Radios for the Masses
Noise in Receiving Systems
Top Band Reversible Beverages
Living with Your Neighbours or EMC(101)
Rechargeable Batteries
Field Day 2000
What's That Racket - HF Digital Modes 101

RF Fingerprinting & Wireless Profiling
Truth and Untruth about Electrically Small Antennas
Amateur Satellites; Past, Present and Future
Moonbounce, Basics and Beyond
Super-Regenerative Receivers
Forums: QCWA – QCWW – RAC

Speakers

Gerald Youngblood **AC5OG**
Dave Conn **VE3KL**
Bert Barry **VE3QAA**
Ralph Cameron **VE3BBM**
Dick Bonnycastle **VE3FUA**
Brice Wightman **VE3EDR**
Ken Asmus **VA3KA**
Richard Bandla **VE3CVG**
Elias Zaydan **VE3EKZ**
Jack Belrose **VE2CV**
Clare Fowler **VE3NPC**
Ken Oelke **VE6AFO**
Lea Barker

For those who just want to see more of our Nation's Capital or are non-Amateurs, they too will find arrangements have been made for their enjoyment. The Lord Elgin Hotel, newly renovated and located in downtown Ottawa, is a great location situated just steps away from the Canadian Parliament Buildings. Within walking distance are the National War Memorial, the Centennial Flame, the Rideau Canal Locks and the National Arts Centre. Shoppers have a choice of walking to the Sparks Street Mall, the enclosed Rideau Centre Mall or the Byward Farmers' Market. The Market is also the centre of Ottawa's night entertainment district, with restaurants, nightclubs, bistros, etc.

On Friday, there is a bus tour of the city followed by a Meet & Greet evening. Saturday begins with a buffet breakfast and concludes in the evening with the Annual QCWA Banquet. Astronaut Dr. Robert Thirsk **VA3CSA** may be our guest speaker!

Travel back in time on Sunday after brunch by taking a trip on a steam engine train. A short bus ride to the Quebec side of the Ottawa River, then all aboard for 4 ½ hours of entertainment while viewing the colourful countryside along the Gatineau River with a stop in quaint Wakefield.

Enjoy the camaraderie of others in our hobby. QCWA Chapter 70 invites you to join us in Ottawa at the QCWA International Convention!

Place: Ottawa, Lord Elgin Hotel, 100 Elgin Street.
Reservations 613-235-3333 QCWA Guest

Registration: Amateur \$20, Spouse/Guest \$5
Pre-registration required to attend the following—
Sat. buffet breakfast \$15; Sat. Banquet \$42; Sun. Brunch \$25; Friday
Bus Tour \$15; Sunday Steam Train \$53 (from and to hotel).

Talkin: 146.34/94 More info at www.qcwa.org or

contact Donald Heaslip ve3njh@rac.ca phone (613) 727-2769

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