

MARCH 1992



NEXT MEETING WILL BE HELD
WEDNESDAY, MARCH 4, 1992

GROUNDWAVE



Club Call VE3RC

Repeater VE2CRA

VE3LXM

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

President	Peter Jago, VE3PWJ	836-1013	
Vice-President	Paul Coverdale, VE3ICV	820-6643	763-4277
Secretary	Brian Summers, VE3JKZ	523-1535	836-6860
Assistant Secretary	Barry Hall, VE3BXH		
Treasurer	Mike Kelly, VE3FFK	722-5918	788-5782
Past-President	Dave Goodwin, VE2ZP	684-1432	
Directors	Clare Fowler, VE3NPC	232-1081	
	Dave Parks, VE3GSA	225-1206	
	Rob Morrison, VE3ZZR	236-6880	992-4334
Packet Group Chairman	Doug Yuill, VE3OCU	567-2700	230-1741
Repeater Chairman	Harrie Jones, VE3HYS	739-9365	738-2372
Net Manager	Wayne Greenough, VE3J9Q		
EMI Committee Chairman	Ralph Cameron, VE3BBM	825-1634	225-2850
Membership Chairman	Mike Babineau, VE3WMB	829-1677	765-4417
Nat. Cap. Award Manager	Brian Summers, VE3JKZ	523-1535	836-6860
Publicity	Mike Pilon, VE3BUP	731-1567	
Groundwave Editor	Mike James, VE3PDE	592-2962	995-2730
Graphic Designer	Maria Townson, VE3KIP	828-9573	
Contributing Editor	J. Gord MacKay, VE3JMT	831-1004	
Production Committee	Paul Campbell, VE3CEP	733-0148	
	Chuck Baker, VE3PAP	824-1941	
	Ted May, VE3ADZ	741-0862	790-3576

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 first Wednesday of each month (except July and August) in the Champlain Room (2nd floor of the Old Teacher's College) of the RMOG HQ complex on Lisgar St., Ottawa, at 1930 hours. A bulletin board is available for posting notices of interest to other members about 1915 hours. Further details about each meeting is elsewhere in this publication.

PACKET RADIO MEETINGS will be held at 7:30 p.m. on Oct. 3, Nov. 28, 1991, Jan. 30, March 26, May 28, 1992, at the Group Lobby Room, Museum of Science and Technology. This is an OARC technical meeting open to all who have an interest in packet radio.

THE OARC EXECUTIVE normally meets on the second Wednesday of each month at 1930 hours. Contact the President to confirm the date of the next meeting.

DEADLINE FOR COPY is the second Wednesday of each month. Make yourself better known to fellow members and other amateurs, too, by giving us an article, technical or otherwise, relative to our hobby.

MATERIAL PUBLISHED herein does not necessarily represent the official OARC viewpoint. Items may be reprinted by Amateur Radio or other publications provided that proper credit is given to the author and to the OARC, Inc.

JUNIOR MEMBERSHIPS - To encourage young people to join the club and to participate in amateur radio, the club is opening a junior class of membership. Dues will be at a 50% discount but the junior member must pick up his/her copy of the Groundwave (preferably at the meeting).

RADIO AMATEUR CALL BOOKS are available at many local libraries. Ask at the information desk.

SAFETY BELTS, 2-METER RIG AND AN ENGRAVING PENCIL are available for loan to club members. The 2-meter rig may be borrowed by members who are hospitalized. The engraving pencil (to mark valuables for

identification in case of loss or theft) and the safety belts with pole straps are available to any members. For the belts, a refundable deposit consisting of a cheque equal to the replacement value of the belts is required. Contact the President for the 2-meter rig or the engraving pencil; and Paul, VE3ICV, at 820-6643 (West End) or Brian, VE3JKZ, at 523-1535 (East End) for the belts.

THE CAPITAL CITY NET meets every Monday at 2000 hours on the Club Repeater VE2CRA (146.34/.94) to pass traffic and to make announcements of interest to amateurs in the National Capital Region.

PACKET RADIO VOICE NET meets following the Capital City Net on VE2CRA at 2040 hours. This is an informal net to answer questions about packet radio, pass along operating hints and provide information for future packet operators.

THE SWAP NET is a service provided and conducted by Ed Morgan, VE3GX. This feature appears on the Capital City Net, noted in the foregoing paragraph. To list items and make inquiries, call Ed Morgan at 733-1721.

POT-HOLE NET is a SSB/HF net sponsored by the Ottawa Valley Mobile Radio Club, and conducted every Sunday at 1000 hours on 3.760 Mhz. All amateurs are welcome to check in. The Swap-Net is a regular feature.

POT-LID CW NET is an informal slow-speed CW net sponsored and conducted by Ed, VE3GX, and meeting every Sunday, except during July and August, at 1100 hours on 3.620 Mhz, to promote interest in CW and CW procedures.

REPEATERS

VE2CRA	Voice	146.94/34	443.300/448.300
VE3OCR		223.34/224.94	
VE3OCR	Packet	145.01(sx)	Inter city links
VE3OCR	Packet	145.07(sx)	Local Area net for QSO and Packet BBS.
56 kbps	Packet	220.55/433.55	
VE3DX	DX Info	146.25/146.85; packet	
		145.11(SX)	

For further information, please contact repeater chairman.

MINUTES OF THE OARC GENERAL MEETING
OF FEBRUARY 5, 1992

The meeting was called to order by the President, Peter Jago, VE3PWJ, at 7:35 p.m.

One visitor was present, Al, ex VE3DJT, who was licensed 25 years ago but has been inactive for the past ten years.

A request was made by one of the members for access to an October 1989 copy of 73 Magazine. Contact was made with another member present who had such a copy.

There were no representatives present from either CARD or CRRL to read bulletins.

Harrie Jones, VE3HYS, made reference to the upcoming ski marathon, noting that 32 people had volunteered their services.

An announcement was made by Rob Morrison, VE3ZZR, concerning the Joe Norton Trust Award. Handouts were available for those needing them; and entries must be received prior to June 1, 1992. A further announcement will be made in the Groundwave.

The President stated - yet again - that two replacement volunteers are required to provide the coffee at club meetings. The two current members have provided stalwart service for several years and are deserving of a respite.

Dave Goodwin, VE2ZP, made reference to the DX Packet group and stated that a few copies of the packet user guide were available.

Paul Coverdale, VE3ICV, then gave the presentation talk for the evening on the subject of antenna modelling. Paul uses a version of MININEC (Numerical Electromagnetic Code) which runs on a Macintosh PC. Paul discussed operator inputs to the program which are required to model/design an antenna, plus the outputs from the program.

Available for display were antenna patterns prepared by the program for such known antennas as dipoles in free space, dipoles above ground, quarter wave vertical, and a 3 element Yagi.

Paul then demonstrated, using the PC he had brought, as well as on overhead slides, the effect as predicted by the program on changing such variables as height above ground and its impact on gain, radiation angle, feedpoint impedance, and similar. He then modelled a two-element phased vertical array, similar to that used by the field day group for the past several years.

Some of the limitations of the program include: runs slowly on a MAC Classic, but very fast on a MAC 2; one needs to be careful that the results make sense; difficulty modelling elements connected to each other (e.g., quad); and program assumption of either free space or a perfect ground but no provision for a lousy ground.

Following a 30-minute coffee rag chewing break, the meeting continued with Paul addressing several questions from club members.

There being no further business, the President closed the meeting at 9:25 p.m.

Brian Summers, VE3JKZ
Secretary

MARCH MEETING

There will be a talk about
Ottawa ATV Repeater and
illustrated with a video

IN CASE YOU MISSED IT

OTTAWA VALLEY MOBILE RADIO CLUB - FLEA MARKET - The OVMRC will hold its annual flea market on April 11, 1992, from 0900 to 1600 EST at the Canterbury High School, Ottawa, Ontario. Talk-in on 147.30/90. Contact Ken Barry VE3KJB at (613) 746-4823. (See March TCA for more details.) (Item 2, CARF News Bulletin 02-92.)

DOC (Hamilton District Office) - The Syledis Positioning System operated by the Department of Fisheries and Oceans will be operating on a frequency of 435.029 MHz on Lake Huron, Ontario, from 1 May to September 15 1992.

Latitude 44 00'' 45 15'N
Longitude 81 00' to 82 00'W

The 430 to 450 MHz Amateur Band is shared with Radio Location which is the Primary User. Amateurs as Secondary Users must not cause any interference to these services. For additional information call DOC (416) 572-4022. (Item 3, CARF News Bulletin 02-92.)

CARD QSL BUREAU NOTICE: Please mail all outgoing cards to Box 66, ISLINGTON, ONT, M9A 4X1. Be sure to include your CARF membership number. QSL Bureau Volunteer Staff will not accept any drop-offs at their homes. (Item 5, CARF News Bulletin 02-92.)

CARD QSL BUREAU: When submitting cards in envelopes to the bureau, please DO NOT enclose your cards in envelopes with other material. The bureau is for the distribution of cards ONLY. If you want to send letters you must use the regular mail system. Thank you for your cooperation. (Item 7, CARF News Bulletin 02-92.)

ANNOUNCING THE CANADIAN CONTEST CHAMPIONSHIP FOR 1992 sponsored by The Canadian DX Association (CANAD-X) in order to generate interest in contest operations among holders of Canadian Amateur Licences to provide a measure of

the performance of Canadian Contest operators.

ELIGIBILITY: The Canadian Contest Championship (CCC) is open to holders of Canadian Amateur Radio Callsigns, operating from Canadian locations in the Single Operator (Unassisted) Mode in any of the contests listed below. There is no specific entry form required. Each Canadian participant in one of the listed contests enters CCC automatically by submitting an official entry to the sponsors of any of the contests.

CONTESTS: Participation in the following contests will count, if there are at least 10 Canadian entries:

ARRL DX SSB	ARRL DX CW
ARRL SS SSB	ARRL SS CW
ARRL 160m CW	ARRL 10m
CQ WW SSB	CQ WW CW
CQ WPX SSB	CQ WPX CW
CQ 160m SSB	CQ 160m CW
Canada Day	Canada Contest
IARU Radiospt	Commonwealth CW

FULL DETAILS will be published in the April 92 issue of The Canadian Amateur Magazine, or contact VE3EJU c/o Box 717, Station Q, Toronto M4T 2N7 or via packet VE3EJU @ VE3OY. (Item 8, CARF News Bulletin 02-92.)

APPOINTMENT OF HALL OF FAME TRUSTEES

The Board of Directors of the Canadian Amateur Radio Federation are pleased to announcement the appointment of the following amateurs to the Board of Trustees of the Canadian Amateur Radio Hall of Fame:

Chairman	Maurice Gladden VO1FG
Alberta/NWT	Roman Hrynwiak VE6BRQ
B.C./Yukon	Frederick B. Houghton VE7FFK
New Brunswick	John Archie Flemming, VE1FN
Nfld./Labrador	Eric Salter VO1KR
Nova Scotia	Dr. Roger Porter VE1VCE
Manitoba	William F. Davis VE4WU
Ontario	Evan B. Herriot VE3IND

P.E.I. Frank R. Graham VY2FG
 Quebec Jan O. Lindstrom VE2TO
 Saskatchewan Douglas C. Neil VE5QN

SKI MARATHON

The Canadian Amateur Radio Hall of Fame was instituted in 1988 to honour those among us who had made major contributions to amateur radio in Canada and the world. The Hall of Fame Trustees are charged with the responsibility of examining the applications for the award of "MEMBER" and of "AWARD OF HONOUR" and determine the validity and acceptability of the qualifications of the persons to be honoured. The Board of Trustees periodically issue the awards to licensed Canadian amateur radio operators and infrequently to non-Canadian amateurs who have made extraordinary contributions to amateur radio in Canada and throughout the world.

Amateurs wishing to nominate other amateurs for an award should request an application of the Constitution by writing to: Chairman, Canadian Amateur Radio Hall of Fame, P.O. Box 356, Kingston, Ontario, K7L 4W2. (Item 9, CARF News Bulletins 02-92.)

CLARA CONTEST (25th anniversary). All licensed YLs and OMs are invited to participate. Will be held on March 17, 1992. Time - 1700Z Tuesday through 1700Z Wednesday. HF BANDS - 80M, 40M, 20M, 10M (See February TCA for details.) (Item 4, CARF News Bulletins 02-92.)

APRIL MEETING

Remember - the April meeting is Home Brew night - have a project ready.

The 26th annual Canadian Ski Marathon has come and gone. As in the past years amateur radio played an important role in making the event safe and fun for everyone. This year the weather was reasonable on Saturday but turned cold over night so that on Sunday there were many cases of frostbite and hypothermia. This meant that Andy, VE3KIZ, at Montebello didn't get to tear down until noon so he had an extra long weekend. The winds on Sunday caused some drifts that made for hard skiing but the sweeps seemed to have no trouble by the time they left at 2 p.m.

I would like to especially thank Trevor, VE3BMC, who came out for Saturday afternoon and got home Sunday night after volunteering to fill in at the last minute on Saturday afternoon.

A special thanks to those that had to change operating frequencies because of the marathon and also to those who made it all possible. Without the following there would have been no amateur radio involvement:

Andy, VE3KIZ	Duncan, VE3BDC
Erik, VE3KIH	Dave, VE3KMV
Mike, VE3FFK	Souly, VE2FFS
Rob, VE3ZZR	Al, VE3ANO
Dave, VE3GSA	Rene, VE3LOT
Rick, VE3HVA	Ed, VE3HCA
Brice, VE3EDR	Eric, VE3SGG
Fred, VE3OAF	John, VE3KHE
Bill, VE3JSR	Lynda, VE3JRL
Neil, VE3PUE	Wally, VE2WAL
Doug, VE3JDF	Pierre, VE2PPB
Doug, VE3OCU	Jim, VE3TKV
Bob, VE3MPG	Marjolene, VE2FOX
John, VE3JKG	Bob, VE3YBC
James, VE2UFO	Walter, VE2WLH
Peter, VE3LBW	Stan, VE3OWK.

Thank you every one.

73 Harrie, VE3HYS

LETTER:FEB 12/92

February 8, 1992, to:

Mr. Peter Jago, VE3PWJ
President
Ottawa Amateur Radio Club

Dear Peter:

Although the re-allocation of the Amateur bands as such was not specifically included on the agenda for the current ITU conference on re-allocation of certain radio services and frequencies, DOC was willing to include a Canadian Amateur officially on the Canadian government team who would advise the head of delegation and participate officially in negotiations affecting interests of the Canadian Amateur Service, as was done for WARC 79, when the late Bud Punched VE3UD, was the Amateur representative and did an outstanding job.

As we are all ware, the DOC said that it could not fund the expenses for an Amateur representative for this conference so last year three Amateurs associated with the CRRL set up a "Defence of Amateur Radio Fund" and solicited donations from Canadian Amateurs to underwrite this representative's expenses. The Fund has now amassed about \$23,000.

At this time the ITU conference is underway in Torremolinos in Spain but unfortunately, THERE IS NO REPRESENTATIVE OF CANADIAN AMATEURS ON THE DELEGATION, as offered by DOC, therefore the purpose of the Fund no longer exists;--hence the Fund itself is redundant.

In view of this turn of events I am asking that the OARC executive favorably consider requesting the trustees of the DARF to return our donation of \$100 of Club funds.

signed by D.R. Burrill VE3CDC

Well another month has gone by again. If you were at the last meeting, you saw some software like that which I used for the antennas (antennae?) I described a while ago. Well.. the mast worked anyway. The design might even have worked if only I could get those elements as straight as they were on the screen. As for the antenna simulation, its back to the drawing board. Make that back to the simulation package.

I don't know how many of you get TCA, but in the February issue, there was a letter to the editor from a basic license holder in the maritimes, complaining that they were being treated as second class citizens on the bands. Some newcomers have what is known as a "novice accent". Some of them have ties to the General Radio Service, and so have to learn to swap their ten fours for rogers, and their "personals" for "handles" or better yet, for names. Even if they sound like newcomers, the traditional ham hospitality toward new hams should continue. Even if someone has no interest in hf, and has no intention of getting their 5 wpm code ticket, they are still hams and should be treated as such. From what I hear around here on 2 meters, this hasn't been a problem around here. Let's keep it that way, and keep helping them along. You were there once too.

I recently got a couple of new toys. (yes, I DID say that the 790 was my last toy for this year, but these don't count). Some of you saw one of them at the last meeting, if you stayed late. I'll bring it along next time for a proper demo. The other toy just arrived today, so I'll save that for next time. That's all for now (typing with a cut finger is a problem I don't need). Get to work on those antenna plans, spring is only a few months away.

Last word.. HOMEBREW (get 'em finished up.. the April meeting is coming fast)

73.. mike k. VE3 FFK

HAM RADIO DEMONSTRATION AT TULIP FESTIVAL

The theme of Tulip Festival '92 is Canada's role in technology in the past 125 years. Many high tech companies from the Ottawa area will be putting on displays. I have approached one of the major organizers who was quite enthused about amateur participation. There will be AC power and they can provide a tent and tables.

The festival runs from May 14 to May 18. I will have details on the times very soon but I suspect that the first two days will involve from about 4 to 10 PM and the last two days will involve from around 10 AM to 1PM.

I suggest that the display have a packet station, an Oscar station and at least one HF station as well as info and handouts. They were quite excited at the prospect of being able to contact stations across Canada and overseas. If HF conditions continue this would make an excellent display.

Jim VE3XJ and I will be involved but this cannot be a 3 or 4 man show. We will require at least 20 to 30 volunteers and people willing to let us use their equipment and to help with the setup.

I will be canvassing at the March OARC meeting. I will also ask members from all area clubs to participate. This is an excellent way to have our hobby publicized to thousands of festival attendees. We are constantly hearing that we are not attracting new and young people to ham radio. If you want to help change this in the Ottawa area give me a call at 731-1567 or leave a note at VE3BUP@VE3JF.

Please give this project serious consideration. The festival committee would like to have a definite response by the end of March. If there is sufficient interest I would like to set

up a small committee to get it done properly. If there is no interest this will die a premature death.

Tulip Festival '92 Ham Radio Demo...be there.

73 Mike VE3BUP

REPEATER DISCUSSION

There will be a short discussion at the March meeting, chaired by Harrie, VE3HYS, on the future of the repeater. Since the repeater belongs to your club, have your constructive suggestions ready.

VOLUNTEERS NEEDED

Volunteers are needed as coffee makers for the general meeting and organizers for field day and the flea market.

THESE FUNCTIONS MIGHT CEASE IF YOU DON'T VOLUNTEER.

FACTS OF LIFE

Experience is a hard teacher. She gives the test first and the lesson afterward.

de Burlington ARC
via Kitchener Waterloo
Amateur Radio Club

JOE NORTON TRUST AWARD
FOR AMATEUR RADIO

The Ottawa Amateur Radio Club Inc. awards annually the Joe Norton Trust Award for the advancement of amateur radio. The amount of the award this year is approximately \$800.

ELIGIBILITY

To be eligible, a candidate must:

1. Be a resident of the National Capital Region as defined by the official federal government map;
2. Have received a Certificate of Proficiency in radio from Communications Canada during the period June 1, 1990, to June 1, 1992;
3. 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/her interests, achievements and plans to contribute to the advancement of amateur radio; and
4. Present him/herself for an interview if so requested by the judges.

RULES

1. Entries must be received on or before June 1, 1992. No entries received after that date will be considered.
2. The club will send acknowledgement in writing upon receipt of an application.
3. A panel of judges appointed by the Executive of the Ottawa Amateur Radio Club Inc. will evaluate all entries submitted before the deadline.
4. Finalists may be interviewed by members of the Executive of the Ottawa Amateur Radio Club Inc. or the panel of judges or both.

5. Submissions will not be returned unless accompanied by a self addressed stamped envelope.

6. If the judges do not select a candidate in any year, no award shall be made in that year and the monies shall return to the Fund to be awarded in subsequent years.

7. The decision of the Executive of the Ottawa Amateur Radio Club Inc. in the selection of a recipient of this award is final.

8. The winner will be notified on or before August 15, 1992.

9. The winner will notify the Ottawa Amateur Radio Club Inc. of his or her acceptance of the award no later than August 22, 1992.

10. The award will be made during the regular club meeting in the month of September 1992.

11. The winner agrees to have his or her name, photographs and address published in club bulletins, trade papers and on the airwaves.

SEND YOUR ENTRY, TO BE RECEIVED NO LATER THAN JUNE 1, 1992, TO:

The Joe Norton Trust
Award for Amateur Radio
The Ottawa Amateur Radio Club
P.O. Box 8873
Ottawa, Ontario
K1G 3J2