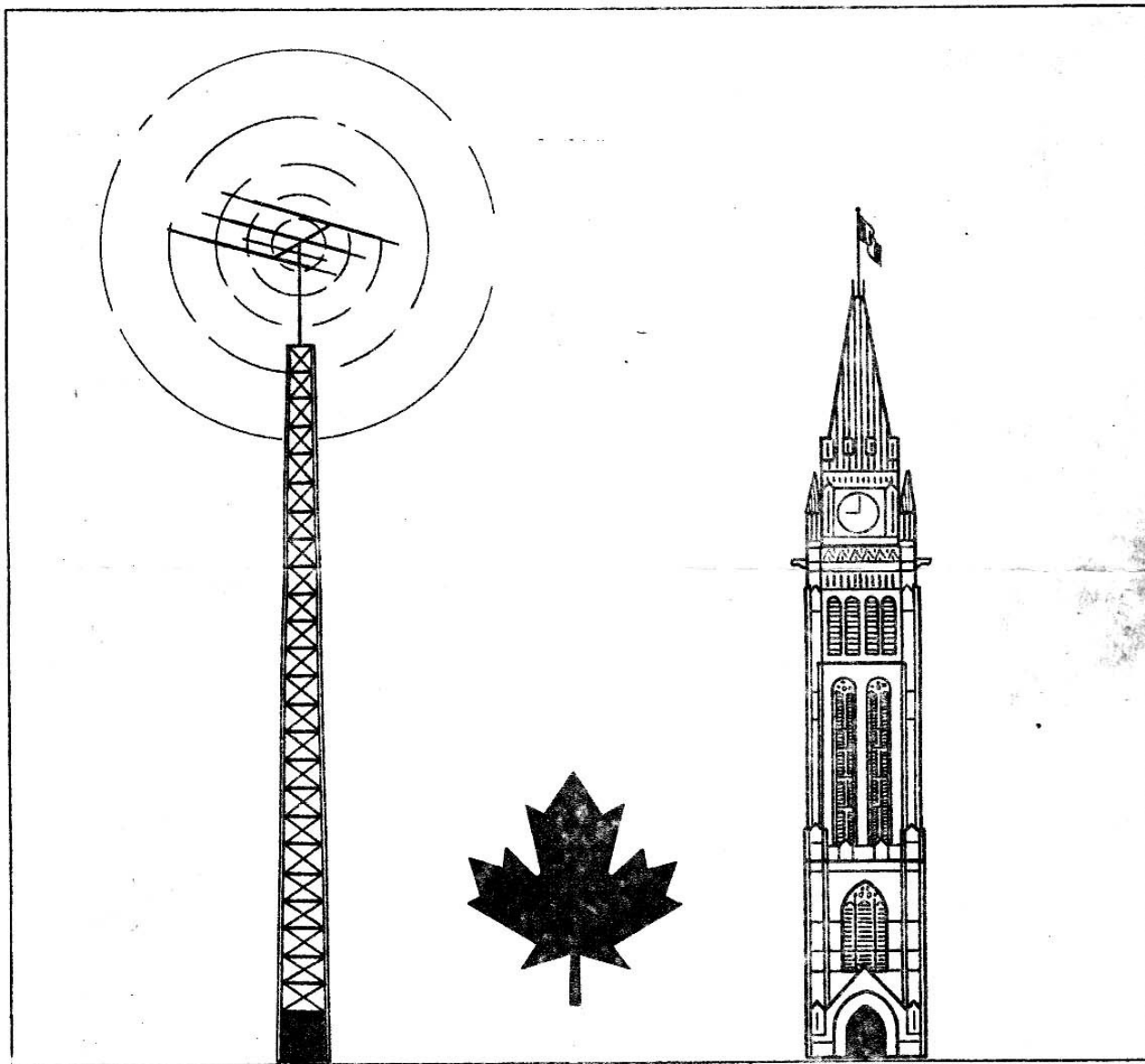




OCT 83

# GROUNDWAVE



Club Call VE3RC Repeater VE2CRA



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THE OTTAWA AMATEUR RADIO CLUB, Inc. is an association of Radio Amateurs devoted to the promotion of interest in Amateur Radio communications in the Ottawa regional area and to the advancement of the technical competence and achievement of Club Members.

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 Ottawa regional area.

THE SWAP NET, a service of the Ottawa Valley Mobile Radio Club, Inc., is repeated on the Capital City Net and is conducted by Ed Morgan VE3GX. To list items and make enquiries, call Ed at 733-1721.

An ENGRAVING PENCIL is available to Club Members to mark their valuables for positive identification in case of loss or theft. For further information, contact Penny Robinson VE3ERO at 225-1276.

The OARC EXECUTIVE normally meets on the second Wednesday of each month in the Board Room of CFRA, 150 Isabella St., OTTAWA at 1930 hours. Contact the President to confirm the date of the next meeting.

RENEW YOUR CARF AND CRRL MEMBERSHIPS directly with these organizations, as the club no longer provides this service to members.

DEADLINE FOR COPY is the first Wednesday of each month.

REGULAR MEETINGS of the OARC, Inc. are held on the first Wednesday of each month (except July and August) at the National Research Council Auditorium, 100 Sussex Drive, Ottawa at 2000 hours. A bulletin board is available for posting notices of interest to other members at about 1915 hours. For further details about the next, see Page 5.

SEE YOUR NAME IN PRINT! -- In National and International publications. Write an article for the GROUNDWAVE and watch it travel! Many local articles have been reprinted in Club Bulletins across North America.

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

SAFETY BELTS and TWO METRE RIG are available for loan to Club Members. The two metre rig may be borrowed by members who are hospitalized and the safety belts and pole straps by any member (\$100 refundable deposit is required for the latter). For the belts, contact Paul VE3ICV 820-6643 (west end) or Brian VE3JKZ 523-1535 (east end). Contact the President for the two metre rig.

RADIO AMATEUR CALL BOOKS are available for use of area Amateurs at many of the libraries throughout the region, including downtown and other city libraries, Orleans and Nepean. Enquire at the information desk of your local library for details.





A WORD FROM THE TRILLIUMS

To clubs and AMATEURS IN VE3 LAND

Many of you have helped us to keep the cards moving, and we appreciate your thoughtfulness, and can honestly say because of your assistance, we have 'NO BACKLOG, NO DEAD FILE, NO CARDS DESTROYED.' All cards are delivered either to the recipient they are addressed to, or back to the sending bureaus via CARF OUTGOING PKGS.

I have one request to those clubs who ask for Trillium volunteers to take charge of a table or booth at hamfest, flea markets, and conventions. Please inform me at the time of request if you expect an entrance fee for our volunteers.

We give of our time freely and willingly as part of these services. Now with a total of 30 volunteers, we are dividing the work load more evenly. This means that at least two of us will be available at a table or booth, but seldom the same volunteers.

I do not expect any volunteer to give of her or his time, and to also be expected to pay for the privilege. I am sure the majority of you will agree with me.

Remember we add that extra service of stuffing or relaying information flyers, or other notices about upcoming flea markets, ham fests, and conventions, when asked to do so. The only requirement is that the notices be kept minimum in size and weight.

At the booth, 'SELF ADDRESSED STAMPED ENVELOPES' (SASE) and/or postage donations to your individual files will be accepted. You may also leave your OUTGOING CARDS for CARF QSL BUREAU, providing you have your CARF number on the package.

Many incoming cards are brought to the booth by the volunteers who look after those particular files, but they are a small portion of the overall files.

Last but not least, always wait for a receipt for your file donations, and if you keep track of pkgs recd from the volunteer, you will know when your postage and/or SASE have run out.

We welcome suggestions and criticisms, as this is the best way to improve the services and streamline them. We are all in this together.

ALL your incoming cards, from whatever source, via bureau system, will eventually arrive here.

Best luck and good health to you all.

73,

Jean Evans VE3DGG

Mgr. for the Ontario Trilliums ARC for ARRL  
bureau

Mgr for CARF NATIONAL QSL BUREAU SERVICES.

POSTSCRIPT

The Ontario Trilliums have eighteen years of service to the amateur community behind them. We wish them continued success and enjoyment of their chosen role. Salute!

Give pity to the one who tried and failed; give pity to the one who failed to try.

de TOT-TOPICS

The Ontario Trilliums.

AN UNUSUAL ANTENNA by NIADX

I have been rather busy lately with a thorny antenna problem. Some new people moved in recently a few houses away, and in the first week a dipole appeared behind the house. It was slung high in the trees in such a way that I can just see the feed point and transmission line as I leave my driveway in the mornings.

Before I had chance to talk to any of the people there, I noticed that the feedpoint on the antenna was in a different position from the day before. In fact, it was different almost every day. By estimating the distances of the feed from each end of the antenna, and by listening for a loud nearby station, I tried to work out how the antenna was able to radiate on several of the ham bands. It would appear that the antenna is of very flexible design with one "leg" measured to resonate on the desired frequency while the other might be grounded. Or perhaps the resonant part naturally takes the signal because the impedance is low, while the impedance is too high in the non-resonant part.

I have had several quite reputable engineers working on the problem, as is a rather large computer at a certain nearby college. So I was amazed yesterday as I walked out of the house to ask the owner about the wonderful all-band antenna and found a large hairy dog attached to the end of the downlead. I understand that it is called a dog trolley or dog walker. The animal's leash is looped over its overhead rope so he can move around the yard. I hope none of my friends find out about this.

de The Spark Gap  
Wellesley ARC and  
VE3QE, Hamilton.

MURPHY'S EIGHTH LAW

If you tinker with or try to improve something long enough, eventually it will break.

CONTINUING YOUR EDUCATION  
LEARN YOUR 'Q' SIGNALS

The following is a list of little used Q-signals and abbreviations. Their meanings often need to be expressed with brevity and clearness in our amateur radio work, so learning and using them should be an important order of business for us all.

- QIK - Please stop transmitting at this time, you're boring.
- QOL - Your signal is so strong it just blew out my front end and I'll be seeing you in court.
- QFF - Please send louder; there's a French Fried potato in my ear.
- QHT - Please stand by, my antenna has just fallen into the bathtub.
- QHI - Please tell funnier stories at this time.
- QHH - Please increase your power and/or talk louder as it is hard to hear you over the tinkling of the ice cubes.
- QHRRHH - I think my keyer is stuck.
- QDT - I notice you're experiencing difficulty tuning up; please consider an easier task like watching television or counting your toes.
- QCT - Your RST may not be much, but you're coming in fine on Channel 2.

de KEYKLIX  
Santa Barbara ARC.  
and TFMCS, Willowdale.

TIME WARP COMMUNICATION

What's faster than the speed of light? The combined efforts of the US and Canadian Postal services, that's what. This assistant editor in Ottawa received a letter on March 17th, 1983, that had been postmarked March 19th, 1983 in Sunrise Florida. Too late, I realized that I should have fired back a card saying, "don't write, I know already!" . . . (VE3JMT)



Metres for Millions -- Cont'd

C/P3: Jim VE3JSM. C/P4: Guy VE3MSR  
 C/P5: Gaetan VE3FCF  
 C/P6: Don VE3ATJ and Dave VE3MPX  
 C/P7: Dave VE3JLV  
 C/P8: Bill VE3NPG and Scott VE3NPX  
 C/P9: Rick VE3HVA and Bill VE3YK  
 C/P10: Pat VE3KJQ, Bill VE3CCT and  
 Stan VE3JLI  
 Bike Patrol: Sylvester VE3LBH

To all of you, thank you once again for your help. If I have omitted anyone, I apologize and will make sure you are credited properly in the next issue of the OVMRC Rambler. Please let me know.

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AMATEUR RADIO

by Bob Baillargeon  
 VE3MPG

--Courtesy SPLINTERS II  
 (Forintek Canada Corp.)

Amateur Radio you say; what kind of CB do you have in your car-- I noticed your antenna? Sorry, but that's no Criminal Band antenna, but a two metre 5/8 whip for my 900 frequency synthesized handheld transceiver. Sure! What's that? Well, simply, it's a two way (or more than two way) radio using the FM mode (just like your stereo receiver). But it does a bit more than that. First of all, it has 900 different frequencies easily brought up on an LCD (liquid crystal display) by hitting the appropriate touch tone numbers on the touch tone pad on the front of the unit. This looks just like a touch tone telephone pad.

You're probably wondering how far I can talk with such a small "CB". Well amateurs use what are known as "repeaters", and that's just what they do--repeat a weak signal over a distance of 50-75 miles using a high power transmitter. Most of these repeater stations are equipped with phone patch facilities that allow the ham operator to access the Bell phone lines by sending the repeater a tone (from the touch tone pad). The repeater decodes the tone

and you hear a dial tone, and use the touch tone pad again to dial up the number you wish, free of any charges. Of course, no commercial or business call can be made using these facilities. Hams are bound by their licence to personal and experimental use only. Ottawa has about 15 repeater stations, the most popular one located at Camp Fortune in the Gatineau Hills. The antenna is visible from downtown Ottawa. The facilities are maintained by several local amateurs. It has a range of 80-100 miles.

But this is just a small part of ham radio. I remember my first Russian contact on CW (morse code-- that's all you may use for the first six months), in the city of Odessa, and that rare Polish ham in Tychy, Poland. These contacts all took place in my ham shack in the basement, using about 80 watts of power to a simple home-made wire antenna. (My backyard is so crowded with wire that birds need flight clearance to land there!) The neighbours don't seem to mind all the thin wires, however.

To get a licence, all you have to do is master the Morse code at ten words per minute, learn the Canadian Radio Regulations and some basic electronic theory and then write the Department of Communications examinations which are given four times per year. A grade of 70% on the theory and regulations and 100% on the code will get you a licence which lets you talk to the world via ham radio.

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NEWMARKET FLEAMARKET

The York Region ARC will hold its seventh annual "Newmarket Fleamarket" on Saturday November 5th from 0800 to 1400 at the Newmarket Community Centre, NEWMARKET, Ontario (just north of Toronto). General admission is \$2.00 while vendors are charged an additional \$2.00 per table. Contact Geoffrey Smith VE3KCE, 7 Johnson Rd., AURORA, Ontario L4G 3H7 for more information.

THE GROUNDWAVE

MEMBERSHIP APPLICATION

OTTAWA AMATEUR RADIO CLUB, Inc. P.O. Box 8873, OTTAWA, Ontario K1G 3J2

surname: \_\_\_\_\_ Common Name: \_\_\_\_\_ Call: \_\_\_\_\_

Additional Names/  
Calls (Family Membership) \_\_\_\_\_

Address (Street/City/Province) \_\_\_\_\_

Telephone (home) \_\_\_\_\_ Telephone (work) \_\_\_\_\_ CLASS Associate ( ) Amateur ( )  
Advanced Amateur ( ) Digital ( )

ACTIVITIES (List bands worked)

CW..... AM.....  
SSB..... RTTY.....  
SSTV..... ( ).....  
VHF/FM..... PACKET RADIO.....

I am a: MEMBER APPOINTEE OFFICIAL : I have a gas/diesel generator  
of: ARRL ( ) ( ) ( ) : Yes ( ) No ( )  
CARF ( ) ( ) ( ) :  
RSO ( ) ( ) ( ) : I have a two metre hand car-  
RAQI ( ) ( ) ( ) : ried portable rig: Yes ( ) No ( )

MY MAIN INTEREST IN AMATEUR RADIO IS: ( ) HF ( ) VHF ( ) Other.....

Membership Fees: Individual -- \$8.00 Family \$10.00 (Except student and  
over 65--contact a member of executive)

I would like to see the OARC, Inc. do/not do the following next year:

I would be willing to help organize the following as a Club Activity:

(Applicant to complete at same time as above)

OTTAWA AMATEUR RADIO CLUB, Inc. Membership 198\_\_

RECEIVED FROM.....The amount\$.....

.....Dollars

Signature of Membership Chairman

Date

THE OTTAWA AMATEUR RADIO CLUB, Inc.  
P.O. Box 8873  
OTTAWA, Ontario, Canada  
K1G 3J2

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OTTAWA, ONT  
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FIRST CLASS MAIL

G. MARTIN, OARC ARCHIVES  
1771 HUTTON AVE  
OTTAWA ONT  
K1G 1M1

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THE OTTAWA AMATEUR RADIO CLUB Inc. Box 8873, OTTAWA, Ont. Canada K1G 3J2

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: V/President	Jerry Wells	12 Sutton Place, NEPEAN	225-7374
	VE3CDS	Ontario, K2E 5G2	237-3022
: Secretary	Bill Nottingham	17 Cedarbank Avenue, NEPEAN	828-8282
	VE3ARZ	Ontario, K2H 6E9	
: Treasurer	VACANT		
: Directors	Merve Lemke	Box 312, CARP	839-5577
	VE3CV	Ontario, KOA 1L0	
	Bill Cousins	Box 760, 63 Hope Drive,	692-4861
	VE3GPR	MANOTICK, Ontario, KOA 2N0	770-0055
			ext. 230
	Joan Powell	Box 390, RR2, NEPEAN	825-4104
	VE3FVO	Ontario, K2G 3H1	
: P/President	Sydney Moorcroft	22 Cymbeline Drive, OTTAWA	820-0093
	VE3GVI	Ontario, K2G 3H1	
: Repeater	George Roach	104 Strathcona Avenue, OTTAWA	234-0885
: Chairman	VE3BNO	Ontario, K1S 1X6	233-6241
: Custodian &	Gerry Martin	1771 Hutton Avenue, OTTAWA	731-3220
: Archivist	VE3CNJ	Ontario, K1G 1M1	
: Net Mgr. &	Ken Kendall	777B Springland Dr., OTTAWA	731-0892
: EMRG. Coord.	VE3IHX	Ontario, K1V 6L9	
: EMI Cmttee	Ralph Cameron	30 St. Remy Drive, OTTAWA	825-1634
: Chairman	VE3BBM	Ontario, K2J 1A3	225-2850
: Membership	Jack Garrett	3011 Rankin Street, OTTAWA	521-6528
: Chairman	VE3HJI	Ontario, K1V 8L2	993-9740