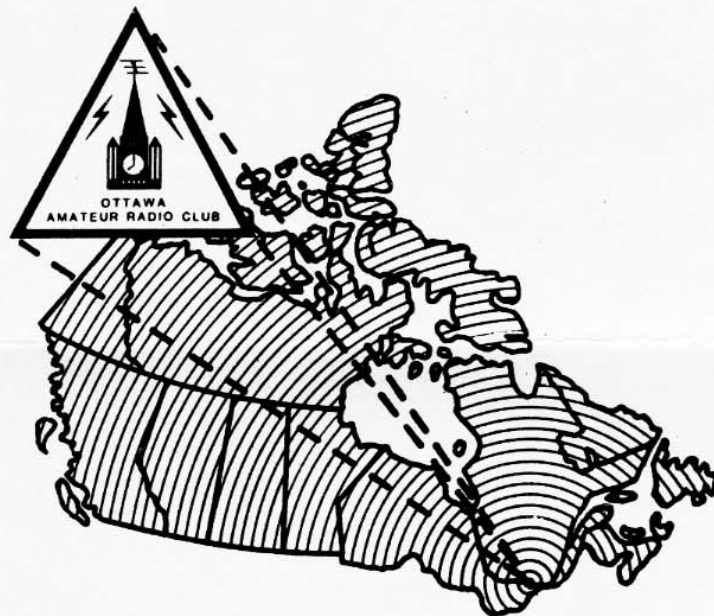


NOVEMBER 1987

THE GROUNDWAVE



**NEXT MEETING WILL BE ON
WEDNESDAY, NOV. 4, 1987**

Club Call VE3RC Repeater VE2CRA



THE GROUNDWAVE

Official Bulletin of the Ottawa Amateur Radio Club, Inc.

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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 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) 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 about 1915 hours. Further details about each meeting is elsewhere in this publication.

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.

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. They may get reprinted in far away places; and the family will be proud of you.

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.

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 member.

A \$100 refundable deposit is required for the belts. 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.

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.

MINUTES OF THE OARC GENERAL MEETING OF OCTOBER 7, 1987

The meeting was called to order by the President, John, VE3NVF, at 20:09 local. John welcomed visitors Doug Frame, Harold Carnes (Dan, VE3EBI's student) and Arne, VE3OWI. Visitors were invited to a free coffee and GROUNDWAVE during the break.

Kerry, VE3EV, amended last month's minutes. He needs volunteers for October 23rd and 24th, not September. The minutes were adopted as amended by a motion from VE3DZT, and VE3PAE. Carried.

John has received an invitation to exhibit 'Ham Radio Then and Now'. The exhibit will be for Nepean Heritage Days, at the Nepean Sportsplex, early in February 1988. Those with old equipment, or an interest in participating, should contact John.

Dave, VE3JTZ, indicated that his advanced amateur class only has 3 students, and he'd like 6 to make it worthwhile. Contact Dave if interested in his class, soon.

Dan, VE3EBI, read some CARF bulletins: a Soviet/Canada Trek update, low broadcast CATV leakage standards, 10,314 new U.S. novices compared to 3,300 last year, information paper on 800-900 MHz band and Mexican proposed use of 430-450 MHz band.

Mike, VE3BUP, is looking for information on upcoming or interesting current events of an amateur radio nature. Local and regional newspapers look for these sort of things so contact Mike if organizing any sort of radio related event.

Mike, VE3PDE, brought back issues of radio club publications that the OARC has subscriptions to or trades for, and placed them on the front table.

Members were invited to take them away, as they will be garbaged otherwise.

Chris, VE3PAE, is planning to be club photographer this year. He will try to take many pictures between now and June, and have a slide show at the end of the year. Members can contact him if they know of a radio related event.

Gord, VE3PPE, showed members the beautiful flea market poster (that Dave had made) and invited members to take home copies to post at work. The flea market will be held on Saturday, October 31st, at the Holy Redeemer Church in Kanata.

Several members questioned the change in location, and decision to have an admission fee. John produced a 1987/88 proposed budget for the club, and explained it line-by-line. The Club is low on monies to support technical programs and see the flea market as potentially money-making. The location had to be changed to permit charging an entry fee, and the OARC was competing with weddings to find suitable space on a Saturday.

Paul, VE3JLP, noted several DX tips: XU--Kampuchea--rare, but look on 20M, 1200 to 1400; 8A--Indoneasia, special call for International Tourist Day; 5X5GK---Jerry--heard recently on Ottawa Repeater with a VE7 call. Hopes to activate Mt. Althos next month. There is this wet rock that Japan is going to try to save in order to protect its fishing rights, will it
(continued on next page)

* Speaker for November 4th Meeting *
* Jim Cummins *
* on *
* Use of Amateur Radio as a Tool in *
* Aid Projects in the Third World *
* *

count for DXCC?; VU--4RB/CE currently active from the Adaman Islands (VU7).

Harry, VE3HYS, was recently down to ARRL headquarters in Newington, Ct., with Graham, VE3BYT, for a repeater council meeting. Harrie gave us a slide show of W1AW, something many haven't seen.

Bill, VE3UD, read members a humorous poem about being over 65 years old.

The meeting was adjourned at 21:00 to 21:25 for coffee break.

Scout master, Ross Male, presented John with a certificate for the club for its participation in the last scout rally. George, VE3NJJ, is organizing the communications for the next scout rally, and is still looking for volunteers.

Merv, VE3CV, indicated to members the Snow Bird net will be starting around the end of October, 9:30 a.m., 14.151 MHz. The St. Lawrence Valley Repeater Council meeting will be on October 31st, the same day as the flea market. The Ottawa Home Computing Club meets the 3rd Monday of the month, 19:30, at Charlebois High.

John, VE3DQM, is helping to organize a scout jamboree-on-the-air. The event is October 17th and 18th and he is hoping that many can contact local scout groups and introduce ham radio to scouts. Contact him for further information.

Paul can be contacted for information on the IMB PC (and clone) flea market at the RA Center on November 1st.

John introduced our feature speaker of the evening, Peter, VE3LBW, who spoke on 'Alignment of FM Radios'.

Peter introduced FM radios with a block diagram of a typical radio.

A normal radio multiplies the crystal frequency by 12 if designed for the 2M band. There is 8-10 dB gain in the RF amp, 2-4 dB in the mixer, 50-60 dB in the IF stages and 30 dB in the AF stage.

Motorola aims for 1V at the mic resulting in 5 KHz deviation and modulation acceptance of 5 KHz centered on the carrier.

Peter and Harrie used an analyser Peter brought in. Peter explained what he was doing, and how it worked, as Harrie held the microphone (or rig).

Two radios were measured: one was -7 to 14 KHz, the other -4 to 5 KHz for modulation acceptance. Peter also measured the sensitivity and output frequency.

Afterwards, Peter responded to questions and invited members to come down after the meeting for a closer look/touch of the analyser equipment.

The meeting was closed by John at 22:36 hours.

MEMBERSHIP DUES

There has been a lot of talk as to whether our dues are too high or too low. A recent informal survey shows that annual dues range from \$7 to \$20. Some of the higher priced clubs also levy a repeater fee of up to \$15. So, we are right in the middle.

LOANER POOL

The club is developing a pool of equipment to be loaned to any amateur in need. The latest acquisition, a gift from Charles Poole, VE3OJ, is an HW-32 including P/S and mike, for ssb on 20 M. Thanks Charles.

O.A.R.C.
PROPOSED 1987/88 BUDGET

<u>Item</u>	<u>Income</u>	<u>Expenditures</u>	<u>Category</u>
1. Memberships	\$2,000		Source of funds
2. Groundwave		\$1,750	Core
3. Operating		\$ 250	Core
4. Administration		\$ 350	Core
5. Coffee Fund		\$ 150	Core
6. Field Day/Picnic		\$ 200	Core
7. Advanced Course	\$ 200	\$ 200	Core
8. VE2CRA Maintenance		\$ 150	Core
9. Packet Network	\$ 400	\$ 650	Tech. program
	(donations)		
10. Voice Linking		\$?	Tech. program
11. Flea Market	\$ 800	\$ 350	Source of funds
12. Directory	\$1,400	\$1,200	Source of funds
13. Bank Interest	\$ 50		Source of funds
	-----	-----	
Totals	\$5,000	\$5,250	
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Notes:

- a. Includes new targets for \$50 and \$200 net contribution from Flea Market and Directory sales.
- b. Includes a new repeater repair fund of \$150.
- c. Does not affect the principal in the savings account.
- d. This is a target. Specific expenditures will be individually approved.

TWO NEW ATTRACTIONS

Starting at the November meeting, we will feature:

- 1. A 5 minute technical talk. The first will be given by Harrie Jones, VE3HYS. If you want to give a 5 minute talk on any technical subject, please volunteer - call John, VE3NVF, or any other member of the executive. If you have a

topic that you would like to hear a talk about, call the same group.

- 2. A 5 minute technical review of a new product. The first will be Chris Rochefort, VE3PAE, talking about the Yaesu FT23R. If you have new gear that you would like to tell about, please come forward. Other hams would like the info for their next big (or little) acquisition.

65 AND COUNTING

In nineteen hundred and ninety two
My working days should all be through
I'll be the happiest man alive
For I shall then be 65.

Each month I watch those old folks
grin.
Each month those pension cheques roll
in.
Each month they get that bit of gold,
All simply just for being old.

Who ever thought they'd see the day
When getting old meant getting pay.
And if you're paying too much rent,
You just apply for SUPPLEMENT.

And, as if that isn't quite enough,
You get all other kinds of stuff
Like discounts off on bus and planes;
And then you also get the GAINS.

And ten percent off all your clothes;
And Senior Rates on first run shows;
And travel tours are all the rage,
If only you're of Senior Age.

And housing shouldn't bother you.
The O.H.C. will help you through.
Even send some younger chap
To come around and fix your tap.

If I had known when I was twenty
The real true meaning of the "Land of
Plenty",
I could have moved both heaven and
earth
To falsify my date of birth.

And Politicians, please take note,
You'll wish you'd lost by just one
vote
If I wake up in ninety-three
And there's no pension left for me.

And, even worse, if on that birthday
morn
Old Gabriel should blow his horn,
He'd better plan to keep on blowing -
Without my pension, I'M NOT GOING!!

Thanks Bill, VE3UD

TELLING IT LIKE IT IS

This refreshing bit of editorial candor was spotted in the Club Bulletin of the Western Quebec VHF/UHF Amateur Radio Club. "Editorial Note: You may be wondering why there are only two to three Bulletins a year. We feel that we give you ALL the news about the Club there is and we do not intend to be a 'Club Magazine' filled with articles. We have only one real deadline to meet - the A.G.M. So rather than sending four or more Bulletins at 34 cents plus, we put all the news into two or three at only 17 cents extra postage. That saves us some money and a fair amount of work. If you think this is wrong - let's hear from you.

73, Michael, VE2APT

MEMBERSHIP TIDBITS

Membership renewals and new applications are running about normal with a reminder that the current dues are \$12 and \$14 for family membership. This compares favourably with other club newsletters which vary from \$7 (\$8 family) to \$20 (\$25 family). Contrary to normal opinion, membership fees are not a money-making proposition for OARC considering that postage and printing costs absorb most of this revenue after exchange publications are distributed. OARC Club membership cards are distributed upon payment of dues or mailed with the following issue of the GRONDWAVE.

Peter Hafichuck, VE3LBW

REPEATER TIMERS

The VE2CRA two metre repeater has a 3 minute timer. The repeater tail must drop to reset the timer, otherwise it will time out for 45 seconds. Anyone caught timing out shall owe the executive a round at a watering place to be determined.

LETTER TO:

4 Oct. 1987

The President, OARC

Dear Sir:

Time to remind members of the OARC "National Capital Award" once again.

This certificate and award was first started in 1982, and has been issued to amateurs not only in the local area, but as far afield as Brazil, Luxembourg, Sweden, Italy, Portugal, etc.

I would appreciate it if you could arrange for the sample certificate to be displayed on the notice board at club meetings, and ask the Groundwave editor to print the rules in a Groundwave copy. Perhaps it may be possible to photo reduce the certificate and enclose it as a Groundwave page.

My work commitments are such that I rarely get out to meetings; but I'm more than happy to continue as custodian for this award, if you so desire.

73
Brian Summers,
VE3JKZ

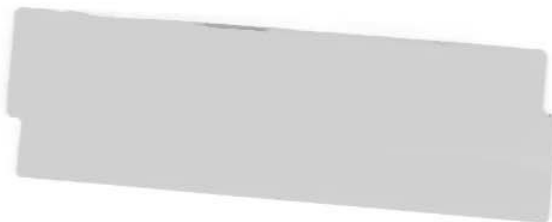
NATIONAL CAPITAL AWARD

Sponsored by the Ottawa Amateur Radio Club, the National Capital Award is issued upon proof of contact with stations located in the National Capital Region of Canada. The award is issued to SWLs on a "heard" basis. The National Capital Region consists of the Cities of Ottawa (Ontario), Hull (Quebec) and the surrounding area.

Stations located in Canada and the lower 48 United States requires 20 contacts, whilst all others require 10 contacts.

The attractive certificate will be endorsed for band or mode upon request. Fee for the award is \$2 for stations in Canada and the United States, and \$3 (or 8 IRCs) overseas. Do not send QSL cards. Send list of contacts giving callsign and QTH of stations worked, date, band and mode to: Award Manager, Ottawa Amateur Radio Club, P.O. Box 8873, Ottawa, Ontario, K1G 3J2, Canada.





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

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Treasurer	George Caskey VE3NJV	19 Argue Drive Nepean, Ont., K2E 6S2	224-6415
Past- President	Dan Holmes VE3EBI	33 Crownhill Street Gloucester, Ont., K1J 7K5	746-0968
Directors	David Anderson VE3JTZ	299A Craig Henry Avenue Nepean, Ont., K2G 4E9	225-0886 592-2122
	Bill Neil VE3WSN	1476-E Heatherington Rd. Ottawa, Ont., K1V 6S1	521-4966 990-0724
	Ralph Thomas VE3GG	2180 Benjamin Ave. Ottawa, Ont., K2A 1P4	729-9252
Packet Group Chairman	Dick Atkinson VE3JBO	20 Mancil Drive Nepean, Ont., K2J 2J5	825-5619
Repeater Chairman	Harrie Jones VE3HYS	2-147 Arlington Avenue Ottawa, Ont., K1R 5S6	237-6427 233-6241
Net Manager	Wayne Greenough VE3JSQ	5 Summer Street Kanata, Ont., K2L 2L3	836-5320 724-5464
Emergency Coordinator	Ken Kendall VE3IHX	777B Springland Drive Ottawa, Ont., K1V 6L9	731-0892
EMI Committee Chairman	Ralph Cameron VE3BBM	30 St. Remy Drive Nepean, Ont., K2J 1A3	825-1634 225-2850
Membership Chairman	Peter Hafichuk VE3LBW	118 Ivy Crescent Ottawa, Ont., K1M 1X6	745-0608 993-1740
National Cap. Award Manager	Brian Summers VE3JKZ	2231 Hillary Avenue Ottawa, Ont., K1H 7H7	523-1535 996-7885